# 

**Outcome Measurement in Functional Neurological Symptom Disorder**

by

J K Adewusi

A Thesis submitted to the Department of Neuroscience,

The University of Sheffield.

Under the supervision of Professor Markus Reuber, Dr Liat Levita and Cordelia Gray.

In Fulfilment of the Requirements for the Degree of

Doctor of Philosophy in Clinical Neuroscience

June 2023

# DECLARATION

I, Joy Adewusi, confirm that the work described in the thesis, "Outcome Measurement in Functional Neurological Disorders", was carried out by me and is the first of its kind. I confirm that I am the independent author of this thesis, with all work and contributions duly acknowledged and referenced.

Date: 10/06/2023

# ACKNOWLEDGEMENTS

I am very grateful to my supervisors, Professor Markus Reuber, Dr Liat Levita and Cordelia Gray, for their continuous guidance, dedicated time and encouragement throughout this project. I am grateful to Chris Gaskell, Jennifer Lewis, Liam Mason, and Suzanne Mason of The University of Sheffield and Sheffield Teaching Hospitals NHS FT, who have all contributed to the outcome of this work.

I am thankful to the administrative and clinical staff within the Specialist Neurology Psychotherapy Department for their kind assistance throughout the project. The Support of FND HOPE and FND Action charities and the willing individuals from across the world, who live with a diagnosis of FNSD, are duly recognised and appreciated. Without their contribution, this project would not have been possible.

I would like to thank my mother, whose vision for my life and education has led me this far and my fiancé, Wisdom Hambolu, for his patient love, encouragement, insistent cheer and support.

Finally, I must thank God.

Joy Adewusi

# ABSTRACT

Outcome measurement in Functional Neurological Symptom Disorders (FNSDs) is particularly complex. Pressing questions include what kind of measure is more accurate or meaningful, or how to achieve standardisation in a clinically heterogenous group where subjective and objective observations of the same construct may deviate. This project aimed to build on the limited knowledge of measuring outcomes in FNSDs and attempts to address one of its inherent complexities; where clinical aspects of the disorder confound the usual prioritisation of "objective" over "subjective" (or patient-rated) measures. This PhD comprised a literature review and three research studies, each using different measures to assess the current status and (potential) outcomes in FNSD patients.

A narrative description of systematically identified literature on stress, distress, and arousal measures in FNSD presents an overarching profile of the relationships between subjective and objective study measures. Eighteen studies (12 functional seizures, six other FNSD) capturing 396 FNSD patients were included. Eleven reported no correlation between subjective and objective measures. Only four studies reported significant correlations (r's=-0.74-0.59, p's <0.05). The small number of studies and diverse methodologies limit the conclusions of this review. However, the review's findings underscore the importance of validating outcome measures in patients with FNSD, carefully selecting the most appropriate measures for the research objectives, and possibly combining different measures optimally to triangulate a patient's current state, level of functioning or disability.

Study One used factor analysis and Rasch modelling to investigate the psychometric properties of a novel FNSD-specific resource-based measure developed as an outcome measure for psychological therapies (The sElf-efficacy, assertiveness, Social support, self-awareness and helpful thinking (EASE) questionnaire). A 4-factor model identified self-efficacy (SE), self-awareness/assertiveness (SA), social support (SS) and interpersonal illness burden (IIB) as relevant domains. Each latent scale fits the Rasch model after refinement of the category responses and removing two items. With further improvement, the EASE-F has the potential to reliably measure self-reported SE, SA, SS, and IIB constructs which were found to be meaningful to patients with FNSD. This can identify patients with strengths and deficits in these constructs, allowing therapists to individualise interventions. Recommendations for refinement of future instrument versions, using the measure in clinical practice, and research in FNSDs are discussed.

Study Two sought to understand the urgent and emergency care (UEC) service usage patterns among FNSD patients. Retrospective FNSD patient data from 2013 to 2016 UEC records (including NHS 111 calls, ambulance services, A&E visits, and acute admissions) were used to compare FNSD UEC usage rates with those of the general population and to model rates before and after psychotherapy. FNSD patients displayed 23 to 60 times higher UEC usage than the general population. Emergency service usage rates showed a significant reduction in level (rate level change = -0.90--0.70, p's <0.05) immediately after psychotherapy. While this study was uncontrolled, and a causal relationship between psychotherapy and reduced UEC service use cannot be proven by its design, the decrease in pre-treatment service usage among FNSD patients mirrors treatment-related improvements in health status and functioning previously documented using self-reported outcome measures. Further research is warranted to elucidate features of emergency care service use by patients with FNSD, assess interventions' cost-effectiveness, and help to optimise limited health care resource allocation.

Study Three utilised a delay discounting and emotional bias task to assess if these measures could indicate the health state of FNSD patients and to compare findings in patients with those in healthy controls. This online-based study collected data on cognitive-affective functioning, decision-making and, indirectly, emotion regulation, alongside self-reported health data and indicators of mood while completing the tasks. Delay discounting (DD) was steeper in patients with FNSD, indicating a preference for less subjectively valuable immediate rewards. Patients displayed priming and interference effects for angry and happy facial expressions, which differed from the interference effects observed in healthy controls [F(1,76) = 3.5, p = 0.037, η2p = 0.084]. Modest associations (r's =0.26-0.33, p's <0.05) were found between the DD estimates and self-reported generalised anxiety, but not current feelings of anxiety in FNSD. There were no correlations with indices for negative affective priming or interference. These measures did not show predictive ability for self-reported difficulty regulating emotions, anxiety, depression or coping in FNSD. However, the fact that the DD task and self-reported constructs failed to correlate does not invalidate this objective test. The findings underscore the importance of using a combined approach to outcome measurement.

This project highlights the importance of a more comprehensive understanding of outcomes and measures that capture clinically valid and meaningful health information. Given that subjective and objective measures capture different aspects of health state or function, a combination of measurement approaches will likely produce the most comprehensive understanding of patients' current state or treatment outcome. Because of the attentional, emotional, and perceptual alterations implicated in FNSD and the variable external representations of these, the difference between objective and subjective measures represents an interesting observation in its own right. The size of the discrepancy between subjective and objective measures may provide additional valuable insights into the underlying pathology. Nonetheless, there is still a need for standardisation and consistency in FNSD outcome measurement and reporting. Several important factors, such as the timeframe of measures, the influence of confounding factors, and the variety of presentation of any aspect of the disorder (e.g., physiological, cognitive, social, or behavioural presentations of arousal/stress), will need to be considered when designing and interpreting measurements for research or clinical analysis of the patient group.

Table of Contents

[1](#_Toc137504648)

[DECLARATION 2](#_Toc137504649)

[ACKNOWLEDGEMENTS 3](#_Toc137504650)

[ABSTRACT 4](#_Toc137504651)

[List of Tables 12](#_Toc137504652)

[List of Figures 14](#_Toc137504653)

[STATEMENT OF CONTRIBUTIONS 16](#_Toc137504654)

[1.0 Thesis Introduction 17](#_Toc137504655)

[1.1 Functional Neurological Disorders 17](#_Toc137504656)

[1.1.1 Introduction 17](#_Toc137504657)

[1.1.2 Terminology 17](#_Toc137504658)

[1.1.3 Epidemiology/Prevalence 18](#_Toc137504659)

[1.1.4 Aetiology/Pathophysiology 20](#_Toc137504660)

[1.1.5 Symptoms/Presentations/Semiology/Phenomenology 22](#_Toc137504661)

[1.1.6 Diagnosis 23](#_Toc137504662)

[1.1.7 Treatment 24](#_Toc137504663)

[1.2 Outcome Measurement in FNSD 26](#_Toc137504664)

[1.3 Importance and Purpose of the Study 28](#_Toc137504665)

[1.4 Research Study 30](#_Toc137504666)

[1.4.1 Patient Self-report 30](#_Toc137504667)

[1.4.2 Emergency Service Utilisation 32](#_Toc137504668)

[1.4.3 Affective Cognition 33](#_Toc137504669)

[1.4.4 Research objective 34](#_Toc137504670)

[1.4.5 Research Questions 35](#_Toc137504671)

[1.5 Thesis 35](#_Toc137504672)

[1.5.1 Thesis Aim 35](#_Toc137504673)

[2.0 Subjective versus Objective measures of distress, arousal and symptom burden in patients with Functional seizures and other manifestations of Functional Neurological Symptom Disorder: A Systematic Review. 36](#_Toc137504674)

[2.1 Introduction 36](#_Toc137504675)

[2.2 Subjective and objective measures in FNSD 36](#_Toc137504676)

[2.3 Methods 38](#_Toc137504677)

[2.3.1 Literature search 38](#_Toc137504678)

[2.3.2 Study Selection 39](#_Toc137504679)

[2.3.3 Data Extraction and Analysis 40](#_Toc137504680)

[2.4 Quality Assessment 42](#_Toc137504681)

[2.5 Results 42](#_Toc137504682)

[2.5.1 Included studies 42](#_Toc137504683)

[2.5.2 Quality of studies 42](#_Toc137504684)

[2.5.3 Categorisation of Studies 43](#_Toc137504685)

[2.5.4 Stress response 43](#_Toc137504686)

[2.5.5 Emotion processing 44](#_Toc137504687)

[2.5.6 Illness burden 45](#_Toc137504688)

[2.5.7 Associations between subjective versus objective measures in FNSD 45](#_Toc137504689)

[2.6 Discussion 49](#_Toc137504690)

[2.6.1 Limitations 53](#_Toc137504691)

[2.6.2 Future directions 54](#_Toc137504692)

[2.7 Conclusions 54](#_Toc137504693)

[3.0 Evaluation and refinement of the novel sElf-efficacy, Assertiveness, Social support, self-awareness and hElpful thinking (EASE) questionnaire for patients with Functional Neurological Symptom Disorder. 5](#_Toc137504694)

[3.1 Introduction 5](#_Toc137504695)

[3.1.1 Outcome measurement in FNSD 5](#_Toc137504696)

[3.1.2 EASE questionnaire 7](#_Toc137504697)

[3.1.3 Clinically Meaningful Constructs in FNSD 8](#_Toc137504698)

[3.1.4 Factor Analysis and Rasch Modelling 16](#_Toc137504699)

[3.1.5 Research Study 17](#_Toc137504700)

[3.2 Methods 19](#_Toc137504701)

[3.2.1 Design and Participants 19](#_Toc137504702)

[3.2.2 Data Governance and Ethical Approval 19](#_Toc137504703)

[3.2.3 Data Collection – Measures 19](#_Toc137504704)

[3.2.4 Analyses 23](#_Toc137504705)

[3.2.5 Exploratory Factor Analysis (EFA) 25](#_Toc137504706)

[3.2.6 Confirmatory Factor Analysis 25](#_Toc137504707)

[3.2.7 Rasch Analysis 26](#_Toc137504708)

[3.2.8 Convergent validity 31](#_Toc137504709)

[3.3 Results 32](#_Toc137504710)

[3.3.1 Baseline Sample Descriptive Statistics 32](#_Toc137504711)

[3.3.2 Baseline EASE-F descriptive analyses 35](#_Toc137504712)

[3.3.3 Data Preparation and Adequacy 38](#_Toc137504713)

[3.3.4 Exploratory Factor Analysis (EFA) 38](#_Toc137504714)

[3.3.5 Confirmatory Factor Analysis (CFA) 43](#_Toc137504715)

[3.3.6 Rasch Modelling 44](#_Toc137504716)

[3.3.7 Final Rasch model Convergent validity 56](#_Toc137504717)

[3.4 Discussion 60](#_Toc137504718)

[3.4.1 Key Findings - Factor Structure 60](#_Toc137504719)

[3.4.2 Key Findings – EASE-F refinement 67](#_Toc137504720)

[3.4.3 Hypothesis Testing - Convergent Validity 72](#_Toc137504721)

[3.4.4 Scoring 73](#_Toc137504722)

[3.4.5 Recommendations for Further Refinement 73](#_Toc137504723)

[3.4.6 Strengths and Limitations 75](#_Toc137504724)

[3.4.7 Clinical and Research Implications 76](#_Toc137504725)

[3.4.8 Further Research 77](#_Toc137504726)

[3.4.9 Conclusion 77](#_Toc137504727)

[4.0 Urgent and Emergency Care Utilisation in patients with Functional Neurological Symptom Disorder 79](#_Toc137504728)

[4.1. Introduction 79](#_Toc137504729)

[4.1.1 Emergency/Urgent Care Services Use in FNSD 79](#_Toc137504730)

[4.1.2 Prevalence statistics 80](#_Toc137504731)

[4.1.3 Mis-/ lack of diagnosis 80](#_Toc137504732)

[4.1.4 Mistreatment 81](#_Toc137504733)

[4.1.5 Lack of specialist treatment 81](#_Toc137504734)

[4.1.6 Financial Implications 82](#_Toc137504735)

[4.1.7 Treatment-Related Change 82](#_Toc137504736)

[4.1.8 Emergency Service Use as an Outcome Measure 83](#_Toc137504737)

[4.1.9 Time Series Analysis 84](#_Toc137504738)

[4.1.10 Research Study 84](#_Toc137504739)

[4.2 Methods 86](#_Toc137504740)

[4.2.1 Summary 86](#_Toc137504741)

[4.2.2 Data sources 86](#_Toc137504742)

[4.2.3 Data linkage 88](#_Toc137504743)

[4.2.4 Extracted Data 88](#_Toc137504744)

[4.2.5 Ethics and Permissions 90](#_Toc137504745)

[4.2.6 Research Study Design 90](#_Toc137504746)

[4.2.9 Statistical analysis 98](#_Toc137504747)

[4.3. Results 99](#_Toc137504748)

[4.3.1 General Description 99](#_Toc137504749)

[4.3.2 Cross-sectional comparison of UEC utilisation by pwFNSD and the general population 100](#_Toc137504750)

[4.3.3 Longitudinal UEC utilisation by pwFNSD before and after psychotherapy 106](#_Toc137504751)

[4.3.4 UEC Trend Analysis 109](#_Toc137504752)

[4.3.5 Features of UEC Service use 114](#_Toc137504753)

[4.4 Discussion 115](#_Toc137504754)

[4.4.1 Summary 115](#_Toc137504755)

[4.4.2 FNSD rates compared to the general population 115](#_Toc137504756)

[4.4.3 Treatment-related Rate Changes 118](#_Toc137504757)

[4.4.4. Features of FNSD UEC utilisation 120](#_Toc137504758)

[4.4.5 Emergency Service Use as an Outcome Measure in FNSD 121](#_Toc137504759)

[4.4.6 Implications for clinical practice/research 122](#_Toc137504760)

[4.4.7 Strengths and Limitations 123](#_Toc137504761)

[4.4.8 Recommendations/Future work 124](#_Toc137504762)

[4.4.9 Conclusion 125](#_Toc137504763)

[5.0 Delay Discounting and Negative Affective Priming in patients with Functional Neurological Symptom Disorder 126](#_Toc137504764)

[5.1 Introduction 126](#_Toc137504765)

[5.1.1 Introduction 126](#_Toc137504766)

[5.1.2 Emotion Dysregulation and Alexithymia in FNSD 127](#_Toc137504767)

[5.1.3 Attentional Processing and Interpretative Bias in FNSD 128](#_Toc137504768)

[5.1.4 Measures of Affective Cognition in FNSD 129](#_Toc137504769)

[5.1.5 Delay discounting 129](#_Toc137504770)

[5.1.6 Negative Affective Priming 131](#_Toc137504771)

[5.1.7 Research Study 134](#_Toc137504772)

[5.2 Methods 136](#_Toc137504773)

[5.2.1 Summary of Study Design 136](#_Toc137504774)

[5.2.2 Participants 136](#_Toc137504775)

[5.2.3 Recruitment 137](#_Toc137504776)

[5.2.4 Study Setting and Procedure 138](#_Toc137504777)

[5.2.5 Measures 139](#_Toc137504778)

[5.2.6 Analysis 145](#_Toc137504779)

[5.2.7 Data 145](#_Toc137504780)

[5.2.8 Statistical Analysis 147](#_Toc137504781)

[5.2.9 Ethical Considerations and Regulatory Approvals 148](#_Toc137504782)

[5.3 Results 150](#_Toc137504783)

[5.3.1 Confirming diagnosis of patients recruited online 150](#_Toc137504784)

[5.3.2 Descriptive Statistics 150](#_Toc137504785)

[5.3.3 Between-group comparisons 151](#_Toc137504786)

[5.3.4 Delay discounting 153](#_Toc137504787)

[5.3.5 Negative Affective Priming Effects 153](#_Toc137504788)

[3.6 Exploratory Analysis - Correlations 157](#_Toc137504789)

[5.4 Discussion 160](#_Toc137504790)

[5.4.1 Negative Affective Priming – Indications for attentional biases in FNSDs. 160](#_Toc137504791)

[5.4.2 Delay Discounting 162](#_Toc137504792)

[5.4.3 Outcome Measurement using NAP and DD in FNSDs 165](#_Toc137504793)

[5.4.4 Strengths and limitations 165](#_Toc137504794)

[5.4.5 Future Research 166](#_Toc137504795)

[5.4.6 Conclusions 167](#_Toc137504796)

[6.0 Discussion 168](#_Toc137504797)

[6.1 Patient self-report measures for FNSD outcome measurement 168](#_Toc137504798)

[6.2 Emergency Service Use for FNSD outcome measurement 169](#_Toc137504799)

[6.3 Utilising Cognitive Affective Traits for FNSD outcome measurement 171](#_Toc137504800)

[6.4 Enhancing outcome measurement in FNSD 172](#_Toc137504801)

[6.5 Implications of this research 174](#_Toc137504802)

[6.6 Strengths and Limitations 175](#_Toc137504803)

[6.7 Future work 176](#_Toc137504804)

[7.0 Conclusion 177](#_Toc137504805)

# List of Tables

**Table 1.** Correlations between self-report scores and objective measures reported in the reviewed studies

**Table 2.** Overview of the analytic process using a Rasch model approach, with measurement properties and assessment criteria.

**Table 3.** Summary of baseline demographic characteristics of the study sample.

**Table 4.** Descriptive statistics for currently considered measures with imputed missing data.

**Table 5.** Missing items analysis of follow-up questions on the EASE-F.

**Table 6.** Summary of the 3-9 factor models generated by the EFA.

**Table 7.** EASE-F 4F subscale items.

**Table 8.** Modification indices to the 4-factor model of the EASE-F.

**Table 9.** Uni-dimensionality statistics of the final Rasch model of the EASE-F subscales.

**Table 10.** Global fit statistics of the final Rasch model of the EASE-F subscales.

**Table 11.** Fit statistics of misfitting items in each EASE-F subscale of the final tested Rasch model.

**Table 12.** Item/person reliability statistics of the final Rasch model of the EASE-F subscales.

**Table 13.** Psychometric properties of the different EASE subscale scale models.

**Table 14.** Correlational analysis of EASE-F subscale total score and comparator measures.

**Table 15.** Characteristics of FNSD patient cohort and general population UEC health service users in 2013-2015.

**Table *16*a-b**. Indirectly standardised rates and proportions of UEC service use per 1,000 person-years for FNSD patients between 2013-2015.

**Table 17.** FNSD UEC count contacts/events in 1.5 years before and after therapy, during and after therapy.

**Table 18a.** Usage rates (95% confidence intervals) per 1,000 person-years for each UEC service before and after therapy and split by 1 and 2 years relative to therapy, and comparison as rate ratio.

#### **Table 19.** Usage proportion (95% confidence intervals) per 1000 population for each UEC service by year relative to therapy, and comparison as rate ratio.

**Table 20.** Segmented negative binomial regression of utilisation rate ratios (per 1000 person-quarters).

**Table 21.** Condition characteristics of prime/probe trials and control and experimental conditions.

**Table 22.** Demographic and clinical comparison of patients with FNSD and healthy controls.

**Table 23.** Between-Group Analysis of study clinical and cognitive variables.

**Table 24.** Prime trials post Hoc Tests – Valence \* Group.

**Table 25.** Multiple Regression Analysis of Delay discounting estimates (k) in the FNSD population (n=59).

# List of Figures

Figure 1 – DSM-5 Criteria for Functional Neurological Disorder.

Figure 2 – Overall Summary of missing values across the questionnaire battery.

Figure 3 - Parallel analysis scree plot from EASE-F EFA.

Figure 4a-d. Category Probability Curves for original and collapsed categories.

Figure 5. Wright maps of the final Rasch model of the EASE-F subscales.

Figure 6. Venn diagram showing the number of patients in the Sheffield FNSD cohort (total population =705) using one or more UEC health services between 2012 and 2016.

Figure 7. Age structure for FNSD patients in the Sheffield Psychotherapy cohort and the general population living within the Sheffield CCG area between 2013 and 2015.

Figure 8. Before and after psychotherapy, UEC use rate ratios plot for the 4 UEC services.

Figure 9a-d. Segmented regression analyses of UEC utilisation rates before and after psychotherapy, for the 4 UEC services.

Figure 10. The NAP task (modified from (Joormann, 2004))

Figure 11. The computerised Monetary Choice Questionnaire.

Figure 12. Mean RT to probe trials in the control and experimental trials.

Figure 13. NAP Effect Estimated Marginal Means – Group (FNSD vs HC) x Valence (Positive vs Negative)

Figure 14. Interference Effect Estimated Marginal Means – Group (FNSD vs HC) x Valence (Positive vs Negative)

# STATEMENT OF CONTRIBUTIONS

Chapter 2: **Subjective versus objective measures of distress, arousal and symptom burden in patients with Functional seizures and other Functional Neurological Symptom Disorder presentations: a systematic review**

Joy Adewusi conducted the literature search, quality assessment, study categorisation, data analysis, and wrote the article. Prof Markus Reuber and Dr. Liat Levita second-rated the study categorisation and conducted a second quality assessment for a subset of the identified studies.

Chapter 3: **Evaluation and refinement of the novel sElf-efficacy, Assertiveness, Social support, self-awareness and hElpful thinking (EASE) questionnaire for patients with Functional Neurological Symptom Disorder** (Study 1)

Joy Adewusi extracted, prepared and analysed the data, and wrote the article.

Chapter 4: **Urgent and Emergency Care Utilisation in patients with Functional Neurological Symptom Disorder** (Study 2)

Joy Adewusi designed the study, analysed the data, and wrote the article. Tony Stone assisted in the data linkage between the STH psychology therapy database and University of Sheffield. Jennifer Lewis (ScHARR) shared age- and sex- stratified counts of emergency service utilisation within the general population, as well as advised on the analytical plan.

Chapter 5**: Delay Discounting and Negative Affective Priming in patients with** **Functional Neurological Symptom Disorder** (Study 3)

Joy Adewusi designed the study, recruited participants, collected and analysed the data, and wrote the article. Liam Mason advised on experimental design.

Prof. Markus Reuber Dr. Liat Levita and Cordelia Gray supervised the overall project, and provided feedback on the work presented in this thesis.

# 1.0 Thesis Introduction

## 1.1 Functional Neurological Disorders

### 1.1.1 Introduction

The term "Medically Unexplained Symptoms" (MUS) has been used as an umbrella term describing symptoms ascribed to disorders which cannot be associated with readily demonstrable pathophysiological or structural changes.

In 2008/2009, the annual cost of MUS in working-age adults to NHS England was estimated at £2.89 billion. Further costs of £14 billion per annum to the UK economy were estimated owing to illness absence and reduced quality of life for MUS patients (Bermingham et al., 2010). MUS, therefore, represent a significant challenge for the UK economy. They also account for about 20% of general practitioner consultations, specialist outpatient referrals, and hospitalisation episodes (Barsky et al., 2005; de Waal et al., 2006). The individual burden on patients with unexplained symptoms can be considerable, as they frequently encounter stress, distress, and anxiety due to the uncertainty surrounding their condition.

Moreover, patients may feel that their concerns are dismissed or inadequately addressed by their healthcare providers, potentially exacerbating the manifestation of somatic symptoms (Edwards et al., 2010). MUS can manifest in several ways, including fatigue (e.g., Myalgic Encephalopathy), respiratory (dysfunctional breathing), abdominal (e.g., irritable bowel syndrome) or neurological symptoms, known as a Functional Neurological Symptom Disorder (FNSD). FNSD is the "abnormal central nervous system functioning of presumed psychogenic aetiology" (American Psychiatric Association, 2013).

### 1.1.2 Terminology

The terminology used to describe functional neurological symptom disorders has evolved. Terms such as "Psychogenic," "psychosomatic," and "conversion" disorders, as well as "somatisation," imply that an exclusively psychological cause is present, but this is not always the case. "Non-organic" suggests a dualism between the brain and the mind, while "medically unexplained" indicates a problem without known aetiology, diagnosis, or treatment. Terms such as "hysteria" or "pseudo-seizures" carry a negative connotation and may imply that the issue is feigned or fabricated. As a result, there is an emerging consensus among researchers and patient groups to use the term 'Functional Neurological Disorder (FND) or Functional Neurological Symptom Disorder (FNSD)' as an etiologically neutral alternative (Ding & Kanaan, 2017).

There are several types of symptoms of FNSD, including but not limited to attacks or seizures, weakness or paralysis, abnormal movements (e.g., tremor, dystonic movement, myoclonus, gait disorder), swallowing symptoms and speech symptoms (e.g., dysphonia, slurred speech). The intentional fabrication of symptoms without external motivators characterises a factitious disorder, whereas malingering involves the deliberate feigning symptoms for secondary gains, such as financial benefits. It is crucial to differentiate FNSD from factitious disorder and malingering based on intentionality, as FNSD symptoms are involuntary and unintentional (Galli et al., 2018).

Multiple terminologies have been suggested for seizure presentations of FNSD. In this thesis, FNSD seizures will be referred to as functional seizures. However, they are also commonly referred to in the literature as Psychogenic Non-epileptic Seizures (PNES), dissociative, psychogenic, and non-epileptic attacks or seizures (Asadi-Pooya et al., 2020; Wardrope et al., 2021). Just as FS are a subtype of the overarching FNSDs, a similar shift from psychogenic movement disorder" to "functional movement disorder" occurred among motor presentation in FNSDs in 2014 (Edwards et al., 2014). "Functional" is a theoretical framing that is etiologically and mechanically neutral, considering individual differences in developing functional neurological symptoms (Asadi-Pooya et al., 2020). However, it should be noted that the optimal terminology continues to be debated in the field, with no formal consensus yet.

### 1.1.3 Epidemiology/Prevalence

Historically, the epidemiological study of FNSDs has been challenging and limited in clinical and research practice. More recently, studies have revealed that these disorders are relatively widespread (Akagi & House, 2002; Benbadis & Allen Hauser, 2000; Binzer et al., 1997; Carson & Lehn, 2016; Duncan et al., 2011; Espay et al., 2018; Stone et al., 2010; Szaflarski et al., 2000; Villagrán et al., 2021). Tightly defined FNSD accounts for 5-10% of new neurological consultations, and conservative incidence estimates are at a rate of 12 per 100,000 annually (Carson & Lehn, 2016). Based on these figures, approximately 8,000 new FNSD diagnoses occur annually in the UK, with an estimated 50,000 to 100,000 individuals affected within the community. Stone et al. (2010) reported that functional and psychological symptoms account for 9% of neurological hospital admissions, making it the second most common diagnosis after headaches.

Incidence rates for motor FNSDs have ranged between 4 to 5 incidents per 100,000 population yearly, and video electroencephalography-confirmed cases of functional seizures have been reported at 1.5 to 4.9 incidents per 100,000 population per year (Binzer et al., 1997; Duncan et al., 2011; Espay et al., 2018; Stone et al., 2010; Szaflarski et al., 2000). These figures differ depending on the criteria used to define FNSDs and the consideration of overlap with other functional symptoms; for example, FS has been estimated at up to 33/100000 elsewhere (Benbadis & Allen Hauser, 2000). In a more recent study, Villagrán et al. (2021) reported an FS prevalence of 23.8/100000 at all levels of diagnostic certainty. Still, for the highest diagnostic confidence (video-electroencephalographically confirmed), the prevalence was 10.6/100000.

FNSDs are more commonly found in females, making up 60% to 75% of the patient population and exhibiting a female-to-male ratio of approximately 3:1. This ratio, however, may differ based on the specific presentation of the disorder. Additionally, the proportion of males affected was found to increase with the age of onset (Goldstein et al., 2019). While patients with FNSD are typically diagnosed in their mid-to-late 30s, FNSDs can appear across all age groups, from young children (though rare before age 10) to individuals in their 80s (Bennett et al., 2021).

A significant concern associated with FNSDs is the possibility of misdiagnosis. However, an analysis of 27 FNSD studies, which included 1,466 participants, showed a consistently low misdiagnosis rate of 4% after an average five-year follow-up period (Stone et al., 2005). In a subsequent study that focused on patients referred from primary care to specialised neurology clinics with diagnoses that could not be explained by alternative diagnoses, only 0.4% (4 out of 1,030 patients) had their diagnoses revised or received a new neurological diagnosis after 18 months of follow-up (Stone et al., 2009).

FNSD symptoms cause comparable levels of disability to those found in other neurological diseases, such as epilepsy or multiple sclerosis, while also exhibiting a greater prevalence of psychological comorbidities than these disorders (Carson et al., 2011). FNSDs are associated with high healthcare utilisation rates and costs (Gallagher et al., 2013; Stone et al., 2010). The estimated total annual healthcare cost of FNSD, narrowly defined in a recent study from the USA, equated to $900 million (C. Stephen et al., 2021). Functional seizures were found to represent around 10% of all seizures in the emergency department (Dickson et al., 2017), while prolonged seizures were reported by 78% of patients with PNES and led to emergency admissions to the intensive care unit (ICU) in 18%–27% of patients (Reuber, Pukrop, Mitchell, et al., 2003; Seneviratne et al., 2019). A recent study showed that 8.1% of presentations with prolonged seizures resulting in treatment for status epilepticus were found to be FNSD seizures and not epilepsy (Jungilligens et al., 2021). Though comprehensive data on the global epidemiology of FNSD remains limited, existing research underscores the importance of addressing this area of neurological disorders.

### 1.1.4 Aetiology/Pathophysiology

FNSDs are marked by diverse aetiology (R. J. Brown & Reuber, 2016a; Fobian & Elliott, 2019). Aetiological factors may include sexual and physical abuse, neglect, depression, chronic anxiety, and trauma-related disorders (N. M. Bodde et al., 2009).

The aetiology and pathophysiology of FNSDs remain complex and not yet fully elucidated, but ongoing research continues to unveil aspects of these disorders (Drane et al., 2021).

Several theories attempt to explain the pathological mechanism underlying functional symptoms. Baslet (2011), for example, postulates that functional seizures represent a protective behaviour, where a stimulus with emotional valence destabilises the cognitive-emotional system, leading to a loss of integrity in emotional, cognitive, and sensorimotor processes, which subsequently operate autonomously and manifest as a seizure for example.

A multidimensional biopsychosocial model has gained increasing support in explaining the development and maintenance of FNSDs. According to this model, FNSDs arise from the interaction between genetic predispositions, neurobiological vulnerabilities, and environmental influences, such as psychosocial stressors (Drane et al., 2021; Elliott & Charyton, 2014; Ertan et al., 2022; Pick et al., 2019; Reuber, 2009). Research has shown that certain genetic factors may predispose individuals to develop FNSDs, while early life stressors, such as physical or sexual abuse, are also associated with increased risk (Ludwig et al., 2018).

Neuroimaging, biological markers, cognitive psychology and epigenetic studies have contributed significantly to understanding the neurobiological underpinnings of FNSDs. Patients with these disorders exhibit functional and structural abnormalities in brain regions involved in motor control, emotion regulation, and self-agency, such as the prefrontal cortex, the insula, and the basal ganglia (Cretton et al., 2020; Keynejad et al., 2019; Szaflarski & LaFrance, 2018; Voon et al., 2016). Altered connectivity between these regions has been implicated in generating and maintaining FNSD symptoms (Diez et al., 2019). Moreover, research has shown that patients with FNSDs often display abnormal motor and emotional processing networks, pointing to a possible neurocircuitry dysfunction at the core of these disorders (Perez, Matin, et al., 2017).

Interoception, or the perception of internal bodily sensations, has also been highlighted in the pathophysiology of FNSDs. Patients with these disorders often experience alterations in interoceptive processing, which can contribute to the generation and maintenance of symptoms (Pick, Rojas-Aguiluz, et al., 2020; Ricciardi et al., 2016; I. A. Williams et al., 2021). Studies have demonstrated that patients with FNSDs have an altered sense of agency, the subjective feeling of controlling one's actions and outcomes, which may be associated with abnormal interoceptive awareness (Maurer et al., 2016; Nahab et al., 2017).

Cognitive factors, such as attention and memory biases, have also been implicated in the development and persistence of FNSD symptoms. Patients with FNSDs often exhibit heightened attention to bodily sensations, which may exacerbate symptoms and contribute to a vicious cycle of symptom amplification. Reuber & Brown (2017) propose such a cognitive approach in the inception of functional seizures, wherein an internal or external stimulus (e.g., trauma memory) elicits a perception of danger and anticipation of a seizure. The subsequent activation of the mental representation of a seizure, combined with dysfunctional inhibition processes such as chronic stress, result in a functional seizure. Furthermore, studies have reported that individuals with FNSDs display memory biases for negative or illness-related information, potentially influencing symptom perception and maintenance (Drane et al., 2021; Keynejad et al., 2020; Pick et al., 2019).

As research advances, further insights into the underlying mechanisms of FNSDs will undoubtedly inform the development of targeted treatment strategies and improve patient outcomes.

### 1.1.5 Symptoms/Presentations/Semiology/Phenomenology

FNSDs encompass a heterogeneous group of symptoms and presentations that mimic other neurological disorders (Carson et al., 2012a; Gilmour et al., 2020). The semiology and phenomenology of FNSDs are diverse, with motor and sensory manifestations being the most common. Motor symptoms include functional movement disorders, such as tremors, dystonia, gait abnormalities, and myoclonus, which may appear suddenly or progressively (Espay et al., 2018). Sensory symptoms, on the other hand, comprise non-dermatomal sensory loss, tingling, or numbness (American Psychiatric Association, 2013).

Functional seizures (FS) are another common presentation of FNSDs, characterised by episodic disturbances of motor, sensory, or autonomic function. FS exhibit similar semiological features to epileptic seizures, such as the presence of physical sensations during a seizure; however, these characteristics are also closely related to dissociation and flashbacks (Reuber & Brown, 2017; Reuber & Mayor, 2012), and FS lack the association with epileptic changes detectable in the brain via electroencephalogram (EEG) during epileptic seizures (Baslet, 2011; Ertan et al., 2022). This absence of physiological correlates suggests that psychological processes may play a role in seizure manifestation (N. M. Bodde et al., 2009; Popkirov et al., 2019). Patients with overlapping illness manifestations can present to syncope services with collapses more closely resembling syncope (fainting) than epilepsy. These collapses have mostly been described as "psychogenic pseudo syncope" in the literature (Blad et al., 2015; Tannemaat et al., 2013). Similarly, functional cognitive disorders present with subjective cognitive complaints and objective cognitive impairments but cannot be explained by neurodegenerative, psychiatric, or other medical conditions (Kemp et al., 2022).

FNSDs frequently co-occur with other functional or medically unexplained symptoms, such as chronic pain, irritable bowel syndrome, or fibromyalgia, further complicating their clinical presentation (Butler et al., 2021; Ducroizet et al., 2023; Tsui et al., 2017). Psychiatric comorbidities, such as anxiety, depression, or post-traumatic stress disorder, are common and can influence symptoms' onset and maintenance (Gelauff & Stone, 2016; Patron et al., 2022; Pun et al., 2020).

Multiple factors, including individual patient characteristics, cultural influences, and the interplay between biological, psychological, and social determinants, shape the phenomenology of FNSDs. This multifaceted nature often poses diagnostic challenges for clinicians, necessitating the integration of clinical history, physical examination, and relevant investigations to establish a positive diagnosis (Espay, Aybek et al., 2018).

### 1.1.6 Diagnosis

Diagnosis and treatment of FNSD have been historically challenging, with patients often experiencing long delays in receiving a definitive diagnosis, misdiagnoses or subsequently inappropriate treatment interventions (Gelauff et al., 2014; Gelauff & Stone, 2016). The diagnostic criteria have evolved as the understanding of the condition has improved. Historically, FNSD was a diagnosis of exclusion, requiring the elimination of other potential organic causes before being considered (Stone et al., 2005). However, advancements in understanding the pathophysiology and semiology of FNSDs have led to the development of specific diagnostic criteria.

Figure 1 – DSM-5 Criteria for Functional Neurological Disorder

* One or more symptoms of altered voluntary motor or sensory function.
* Clinical findings provide evidence of incompatibility between symptoms and recognised neurological or medical conditions.
* The symptom or deficit is not better explained by another medical or mental disorder.
* The symptom or deficit causes clinically significant distress or impairment in social, occupational, or other important areas of functioning or warrants medical evaluation.

*Specify symptom type:*

With weakness or paralysis

With abnormal movement (e.g., tremor, dystonic movement, myoclonus, gait disorder)

With swallowing symptoms

With speech symptom (e.g., dysphonia, slurred speech)

With attacks or seizures

With anaesthesia or sensory loss

With special sensory symptom (e.g., visual, olfactory, or hearing disturbance)

With mixed symptoms

*Specify if:*

Acute episode: Symptoms present for less than 6 months.

Persistent: Symptoms occurring for 6 months or more

*Specify if:*

With psychological stressor *(specify stressor)*

Without psychological stressor

(DSM-5; American Psychiatric Association, 2013)

The publication of the Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition (DSM-5) introduced positive diagnostic criteria for FNSD, emphasising the identification of specific clinical features indicative of the disorder (American Psychiatric Association, 2013; Kanaan et al., 2010; Stone et al., 2020). In the DSM-5, FNSD presentations can occur as acute episodes or as persistent symptoms.

See Figure 1 for full diagnostic criteria. The update of the criteria from DSM-4 to DSM-5 also removed the requirement for a "recent psychological stressor" and the need to exclude factitious disorder or malingering. More explicit recognition of the value of typical manifestations and clinical signs of FNSD (Daum et al., 2014), such as the value of semiological observation for the diagnosis of FS (A. J. Duncan et al., 2022), has advanced the accuracy and efficiency of FNSD diagnoses.

Specialised clinical tests, including Hoover's sign for limb weakness and the co-contraction sign for movement disorders, aid clinicians in the diagnostic process (Daum et al., 2014). Despite these advances, diagnosis remains challenging (Aybek & Perez, 2022), and ongoing research is required to determine the optimal way to educate on identifying, confirming, and communicating diagnoses in different healthcare settings.

### 1.1.7 Treatment

Effective treatment for FNSD typically requires a multifaceted approach that addresses the diverse biological, psychological, and social factors contributing to the disorder (Aybek & Perez, 2022; Gilmour et al., 2020; Nicholson et al., 2020). A comprehensive treatment plan may be multidisciplinary and include psychotherapy (e.g., cognitive-behavioural therapy), physical and occupational therapy, pharmacotherapy, and psychosocial interventions (Demartini et al., 2014; Espay, Aybek et al., 2018; Gasparini et al., 2019; LaFrance et al., 2014; McCormack et al., 2014).

Three main categories can broadly classify current treatment strategies for FNSD: psychological interventions (Carlson & Nicholson, 2017), physical rehabilitation (Nielsen et al., 2013), and pharmacological treatments (Gilmour et al., 2020). Cognitive-behavioural therapy (CBT) is the most widely studied and utilised psychological intervention for FNSD (Gilmour et al., 2020; Goldstein et al., 2020a). CBT aims to help patients understand underlying psychological factors and modify maladaptive thoughts, emotions, and behaviours contributing to their symptoms (Lin & Espay, 2021; O'Connell et al., 2020). A systematic review showed benefits of CBT for functional seizures, including one randomised clinical trial that reported a significant reduction in the frequency of non-epileptic attacks after treatment, with an improvement in quality of life at a 6-month follow-up (Martlew et al., 2014). Another multicentre randomised controlled trial showed improvements in psychosocial functioning, seizure bothersomeness and HRQOL, among other clinically relevant secondary outcomes following specialised CBT for functional seizures and standardised medical care compared to standardised medical care alone (Goldstein et al., 2020a).

Other psychological interventions, such as psychodynamic therapy and acceptance and commitment therapy, have also been explored for FNSD treatment, with promising preliminary results (Perez, 2020; Pick et al., 2016). Physical rehabilitation, including physiotherapy and occupational therapy, plays a critical role in managing FNSD, particularly for patients with motor symptoms (Nielsen et al., 2013; Nielsen, Ricciardi et al., 2015). Specialised physiotherapy interventions that focus on motor relearning and functional rehabilitation have demonstrated efficacy in improving motor symptoms and functional outcomes in patients with FNS (Molero-Mateo & Molina-Rueda, 2023) D. These programs often involve retraining motor function, improving strength, and addressing compensatory strategies that may contribute to symptom maintenance (Jacob et al., 2018; Nielsen, Ricciardi et al., 2015; Nielsen, Stone, et al., 2015; Ricciardi & Edwards, 2014). Pharmacological FNSD treatments are generally adjunctive to psychological and physical interventions (Espay, Maloney et al., 2018). Antidepressants, such as selective serotonin reuptake inhibitors (SSRIs), may be used to manage comorbid mood disorders, anxiety, or pain. However, there have been different recommendations for using antiepileptic medications in patients without comorbid epilepsy (Espay, Aybek et al., 2018; Gasparini et al., 2019). The evidence for pharmacological treatments in FNSD remains limited, and further research is necessary to establish the efficacy of these interventions (Gasparini et al., 2019). Patient education and therapeutic alliance are also crucial components of treatment, as they facilitate a better understanding, planning for future management and self-management of the disorder (Gilmour et al., 2020; Stone, 2016). Ultimately, individualised, targeted and interdisciplinary interventions addressing the unique needs and heterogenous symptomatology of individuals with FNSD are essential for optimal treatment outcomes (Gilmour et al., 2020).

## 1.2 Outcome Measurement in FNSD

Various outcome measurement tools have been utilised in FNSD research, focusing on diverse aspects such as symptom severity, functional status, and psychological well-being. In measuring outcomes in FNSD, key considerations include who should be asked to report outcomes in particular contexts, for example, patient self-ratings, clinician assessments, or caregivers and what types of measures, e.g., subjective, objective, or implicit, would be relevant. Furthermore, as there is often more than one way to measure the same outcomes, the selection of the optimal outcome measure for clinical or research work would be dependent on if and why one approach is more favourable than the other, whether one measure provides a more accurate or meaningful clinical picture and the extent of correlation between these measures. Another fundamental consideration is whether to use illness-specific measures designed for disorder peculiarities or generic measures that can compare treatment effects across disorders.

A review by Pick et al. (2020) on outcome measurement for FNSD found only four FNSD-specific self-report measures in the literature, the validity of which had not been well-established. These included functional movement disorder (FMD) symptoms scales: The Psychogenic Movement Disorder Rating Scale (Hinson et al., 2005) and the Simplified Functional Movement Disorder Rating Scale (Nielsen et al., 2017); and two separate scales assessing FNSD symptoms in children (The Conversion Disorder Scale and Conversion Disorder Scale—Revised) (Espay, Maloney, et al., 2018; Ijaz et al., 2017; Sarfraz & Ijaz, 2014). However, no single outcome measure could be applied across the different symptoms presenting in FNSD patients, nor were any specifically designed for functional weakness/ paralysis or sensory symptoms. Pick and colleagues (2020) found that the most common primary outcome measure utilised in existing FNSD research is symptom burden (such as functional seizure frequency or core symptom severity in mixed symptoms), although no single 'gold-standard' way of recording these has been established. In prospective observational or intervention studies, these were adopted as core symptom change measures. Additional physical or psychological comorbidity, life impact, disability, general function (i.e., social and occupational) and illness perceptions were other key outcomes employed in the previous literature. These were typically measured using scales validated in other (superficially similar or related) disorders. However, the scales adopted for FNSD research seem to have little consistency.

While symptoms of the disorder are usually the most intuitive aspect of disorders to measure, diagnostic features, core symptom heterogeneity, physical and psychological comorbidities, and variability of symptoms and signs in FNSD confound the selection and utilisation of outcome measurement (Baizabal-Carvallo et al., 2019; Nicholson et al., 2020). As research interest in FNSD has moved beyond the emphasis of psychosocial stressors and psychological theories to exploring neuro-biological aetiologies, researchers have adopted objective approaches including physiological, task-based testing or neuroimaging rather than solely relying on self-reported subjective experiences or clinical data..

The understanding of "objectivity" of outcome measures varies in the literature depending on methods, researcher perspectives or aims. Objective measures can be considered any measure distinct from the influence of a patient's subjective experience, including routine neurological examination (clinician grading of power) or an observer's impression of symptoms or function (clinical or caregiver rated). However, some clinician-rated measurements are not truly objective due to the degree of subjectivity involved on the examiner's part in the grade allocation or grading based on observation. This can be assessed using interrater reliability. An example is the Clinical Global Impression Scale (CGI), which assesses the severity of mental disorders symptoms and the degree of improvement following treatment. This scale is considered subjective, requiring the clinician to compare the examined patients to typical patients in their own clinical experience (Busner & Targum, 2007). Biological or physiological changes may form more reliable objective measures, for example, seizure frequency during continuous EEG telemetry or changes measured using wearable monitoring devices. Research has increasingly investigated pathophysiological changes in FNSD utilising physiological monitoring, task-based or performance testing or neuroimaging (Nicholson et al., 2020). An additional objective measure of FNSD outcomes, which has attracted limited research interest to date, are those of behavioural outcomes. As one of the most common diagnoses in neurology, FNSD is a major cause of long-term disability, impaired quality of life and acute presentations, where the symptoms often mimic those of organic neurological diseases. The frequent use of emergency services, for example, may be used as a proxy for the severity of symptoms, the perceived need for immediate medical attention and as a measure of the efficacy of interventions to reduce unnecessary healthcare utilisation (Gelauff et al., 2014).

Interestingly, findings from subjective and objective outcome measurements in FNSD populations have shown limited association in the available literature. Several studies have revealed that scores self-reported by FNSD patients do not show a close relationship to findings from the same or related outcomes that were measured objectively or physiologically in the same group (Allendorfer et al., 2019; Kotwas et al., 2019; Latreille et al., 2019; Novakova et al., 2017; Pareés et al., 2012; Pick et al., 2018a; Pouretemad et al., 1998). There are many reasons why subjective, objective and behavioural measures may not be correlated, but this discrepancy further highlights the need to study and refine outcome measures, particularly in this patient population. A combination of several approaches to measure outcomes may be warranted to comprehensively study FNSD phenomenology and treatment efficacy or facilitate comparisons of therapeutic interventions.

## 1.3 Importance and Purpose of the Study

Evaluating outcomes in patients with FNSDs presents several challenges due to the complex and heterogeneous nature of symptoms (Hallett et al., 2022; Kranick et al., 2011). Discrepancies between subjective illness experience and objective findings on examination (including physiological and imaging testing such as MRI) pose a challenge to interpreting subjective measures. Other problems with objective outcome measurement may be more immediately apparent - for instance, with the range of different symptoms pwFNSD present with, testing the cognitive function of someone with FCD or seizure duration in someone with functional blindness would be futile. On the other hand, patient self-rated outcomes may be more susceptible to response bias as patients might underreport or overreport symptoms due to factors such as perceived stigma, denial, or the desire to appease healthcare providers (Gargon, 2016; Haeffel & Howard, 2010; Pareés et al., 2012), thereby yielding less reliable information.

Due to these factors and the varied and changing FNSD symptoms among individuals and over time, establishing a consistent and reliable set of outcome measures is difficult (Nicholson et al., 2020; Pick, Anderson, et al., 2020). Moreover, FNSDs are frequently accompanied by comorbid psychological and psychiatric disorders, which can affect treatment outcomes and complicate assessment processes (Gelauff et al., 2014; Jalilianhasanpour et al., 2019; Patron et al., 2022; Walther et al., 2020). Additionally, methodological issues in treatment studies involving FNSD patients, including small sample sizes, identification of appropriate control groups, and variable follow-up periods, further hinder the interpretation and generalisability of treatment outcomes (Nicholson et al., 2020).

To address these challenges, researchers have recommended the development of standardised, multidimensional, and patient-centred outcome measures that encompass the full range of symptoms and psychosocial factors associated with FNSD (Carson et al., 2012b; Nicholson et al., 2020; Pick, Anderson, et al., 2020).

Developing these outcome measures for patients with FNSDs is crucial for several reasons. First, it facilitates the comparison of treatment outcomes across different studies and populations, thereby providing a robust evidence base for effective interventions (LaFrance et al., 2014; Nicholson et al., 2020; Perez, 2020; Pick, Anderson et al., 2020) Standardised measures help overcome the challenges posed by the heterogeneity of FNSD symptoms and the diverse clinical presentations, which can otherwise hinder the interpretation of research findings and impede the development of targeted treatments (Espay et al., 2018; Pick et al., 2020). Multidimensional measures capture the full spectrum of symptoms and psychosocial factors related to FNSD, providing a comprehensive understanding of the patient's experience and impact on their quality of life (QOL). This holistic approach acknowledges the complex physical, psychological, and social factors contributing to FNSD and helps develop more effective and individualised treatment plans (Asadi-Pooya et al., 2021; Elliott & Charyton, 2014; Pick et al., 2019). Patient-centred outcome measures ensure that patients' perspectives, experiences, and priorities are considered when evaluating treatment effectiveness. By focusing on outcomes that are meaningful to patients, such as symptom reduction, functional improvement, and increased QOL, these measures provide a more accurate assessment of treatment success and can help guide clinical decision-making (Pick et al., 2016; Pretorius, 2016; Pretorius & Sparrow, 2015).

Developing and implementing standardised, multidimensional, and patient-centred outcome measures could also inform health policy, resource allocation, and the design of healthcare services tailored to the unique needs of FNSD patients (De Vet et al., 2011). By promoting consistent and rigorous evaluation methodologies, these measures would contribute to better clinical outcomes and improved patient satisfaction in managing FNSD.

Research that identifies and explores key measurable aspects of FNSD and aims to refine and validate relevant measurement tools is needed. Ensuring these measures are tailored to the unique and diverse symptomatology of FNSD (Dallocchio et al., 2016) and can yield clinically useful information, such as treatment-related change, will be essential for advancing the understanding of FNSD and improving patient outcomes.

## 1.4 Research Study

### 1.4.1 Patient Self-report

Patient self-report measures have become essential to health outcome assessment in clinical research and practice, providing valuable information about individuals' subjective experiences, perceptions, and functioning (D. Cella et al., 2010). These measures encompass questionnaires, interviews, or diaries that capture data on various constructs, such as symptom severity, health-related quality of life, psychological comorbidities, physical and emotional functioning and treatment satisfaction. Due to their patient-centred nature, self-report measures offer unique insights into FNSD patients' perspectives, which may not be fully captured by objective clinical measures, such as physiological tests or imaging (Nicholson et al., 2020).

Incorporating patient self-report measures in FNSD research and clinical practice has contributed to an improved understanding of the disorder's complexity and the evaluation of treatments for FNSD. Studies utilising self-report measures have highlighted the significant impact of FNSD on patients' quality of life, daily functioning, and mental health, underscoring the need for comprehensive and multidisciplinary treatment approaches (Pick, Anderson, et al., 2020).

Initiatives like the COMET (the Core Outcome Measures in Effectiveness Trials) or PROMIS (Patient-Reported Outcomes Measurement Information System) collaborations propose key outcome domains to enable the development of standardised outcome measure sets across different physical and mental health disorders (D. Cella et al., 2010; Gargon et al., 2021). However, there has been little research into self-reported outcome measures in FNSD. Of the few existing outcome measures developed for FNSD symptoms, these are not well-established, used or validated in the relevant patient population. Moreover, assessing the criterion validity of any new FNSD-specific symptom measures may be difficult due to a lack of existing 'gold standard(s)' (Nicholson et al., 2020; Pick, Anderson, et al., 2020).

The available literature primarily consists of generic measures of health status and quality of life (such as the 36-item Short Form Survey; SF-36) to detect differences between conditions and are often utilised in cost-utility calculations, supporting decisions for the allocation of limited healthcare resources based on Cost per Quality-Adjusted Life Year (QALY) calculations (S. J. Whitehead & Ali, 2010).

Unfortunately, these generic measures may not adequately capture clinically meaningful change in FNSD, nor the array of outcomes associated with varying therapeutic approaches. These generic measures are suboptimal instruments that capture indirect or broader outcomes rather than direct primary outcomes that could, for example, specifically inform of the efficacy of the intervention in achieving its aims in this patient group.

In this line of thought, broader clinically pertinent symptoms of anxiety and depression often overthrow the evaluation of underlying psychological processes often targeted in psychotherapy for FNSD. An overriding focus on pathology increases the risk of overlooking relevant treatment-related improvements and may also dispose patients to have a detrimental and illness-promoting perception of their health (Hagger & Orbell, 2003; Leventhal et al., 1984).

Disorder-specific measures such as the Quality of Life in Epilepsy (QOLIE) for epilepsy are designed to capture the same dimensions of the generic measures. However, they are more tailored to the features of the disorder, including specific symptoms and health-related challenges. Although these generic and disease-specific quality-of-life measures can be valid, reliable and sensitive to change in FNSD or other relevant populations, they are unlikely to be equally sensitive to different treatment modalities in FNSDs. Nevertheless, the application of patient self-report measures in healthcare settings has proven invaluable for informing clinical decision-making, monitoring treatment progress, and evaluating intervention effectiveness. Moreover, incorporating self-report measures into routine clinical practice can enhance patient-provider communication, facilitate patient engagement in care, and improve overall health outcomes (Valderas et al., 2008). Self-report measures remain indispensable tools for understanding and managing FNSD, emphasising the importance of ongoing research to optimise and further refine their use in this complex and heterogeneous patient population. As such, this study will employ FNSD patient data to refine a self-report measure designed for this patient population.

### 1.4.2 Emergency Service Utilisation

Emergency service use is a valuable health outcome measure in assessing population-level health and healthcare system performance. Analyses can provide insight into the accessibility, effectiveness, and efficiency of healthcare services and assist in identifying potential gaps in service provision. Several studies have demonstrated that frequent emergency department (ED) visits, typically defined as four or more visits within 12 months, can be indicative of unmet healthcare needs, poor health status, and a lack of coordinated care (Birmingham et al., 2017; Hansagi et al., 2001; Royal College of Emergency Medicine, 2017). Moreover, a systematic review by Morley et al. (2018) emphasised the association between high emergency department use and poorer patient outcomes, such as increased morbidity and mortality and healthcare costs. This highlights the significance of addressing this issue to improve patient outcomes and optimise resource allocation. Monitoring and addressing emergency service use can guide healthcare policies and interventions, ultimately leading to better population health outcomes and more sustainable healthcare systems.

Emergency admissions due to FNSD lead to significant costs to healthcare systems and society (Asadi-Pooya et al., 2014; Bermingham et al., 2010; A. Carson et al., 2011). As a result of their commonly acute presentation, FNSD symptoms often lead to A&E attendance at initial symptom onset. Patients with more chronic FNSD with persistent or recurrent symptoms may be regular emergency service users. Much evidence suggests that, as a group, patients with FNSD are particularly high users of emergency care services (Dickson et al., 2017; Gallagher et al., 2013; Merkler et al., 2016; Perez & LaFrance Jr., 2016). Some of these healthcare contacts would potentially involve delayed diagnosis or misdiagnoses by non-experts and the prescription of medication, capable of causing serious iatrogenic harm and greatly increasing the cost associated with FNSD (Cuoco et al., 2023). Some contacts would also involve hospital emergency department visits, ambulance services, or outpatient clinic appointments with specialist doctors, generating higher costs. Based on this, healthcare services utilisation is an important behavioural outcome in the study of FNSD because of the significant burden that patients can have on services. This measure can provide valuable insights into the healthcare burden and patients' healthcare-seeking behaviour and allow for further analysis, such as cost-effectiveness analyses of interventions.

On the other hand, emergency service use as a health outcome measure has limitations, including the potential for an overemphasis on episodic care while neglecting the longitudinal aspects of FNSD management. Additionally, factors unrelated to the severity of FNSD symptoms or treatment efficacy may influence emergency service use, such as accessibility to primary care, socioeconomic status, and cultural differences (Greenfield et al., 2020). Despite these limitations, the analysis of utilisation patterns may provide useful insights into FNSD management, point to areas requiring improvement in patient care and resource allocation and consequently enable the provision of more effective and acceptable treatments for this patient group, particularly in resource-constrained services.

Based on this, emergency services utilisation is an important behavioural outcome that will be used in the present study because of the significant burden that patients can have on services. This measure will be used in the present work to determine whether it can capture patterns of patients' healthcare-seeking behaviour and assess treatment-related change.

### 1.4.3 Affective Cognition

Affective cognition, the interplay between emotion and cognitive processes, has gained much interest in the context of FNSD (Diez et al., 2019; Jalilianhasanpour et al., 2018; Ricciardi et al., 2016; I. A. Williams, Howlett, et al., 2018; I. A. Williams, Levita, et al., 2018). A key aspect of this in FNSDs is the influence of emotions on attention, memory, and decision-making (Diez et al., 2019; Pick et al., 2019). For example, studies have shown that individuals with FNSD exhibit heightened emotional reactivity, increased sensitivity to negative emotional stimuli, and maladaptive emotional coping strategies, which could contribute to a heightened sensitivity to stress and the development and maintenance of FNSD symptoms (Allendorfer et al., 2019; Aybek et al., 2015; R. J. Brown & Reuber, 2016a; Hassa et al., 2017; I. A. Williams et al., 2021).

Additionally, altered emotional memory processes have been observed in FNSD, with evidence suggesting that FNSD patients may be more prone to encoding negative information and selectively recalling emotionally salient events (Espay, Maloney et al., 2018; Sojka et al., 2018, 2019; Szaflarski et al., 2018). The neural correlates of affective cognition in FNSD are also an area of ongoing investigation (Aybek et al., 2015; Diez et al., 2019; Perez et al., 2018). Neuroimaging studies have identified abnormalities in brain regions involved in emotional processing, such as the amygdala and insula, as well as in the connectivity between these regions and higher-order cognitive areas like the prefrontal cortex (Ospina, Jalilianhasanpour et al., 2019; Ospina, Larson, et al., 2019; Perez et al., 2017, 2018; B. Williams et al., 2018). These findings suggest that disruptions in the neural circuits underlying affective cognition may contribute to the pathophysiology of FNSD (Bègue et al., 2019).

Disorders in cognitive-affective traits, such as emotion regulation, are recognised as prevalent features in FNSD patients and are implicated in the pathology, health status and treatment of the disorder (Demartini et al., 2014; Novakova et al., 2015; Pick et al., 2016, 2019; Ricciardi et al., 2016; Sojka et al., 2018; I. A. Williams, Levita, et al., 2018). Treatment approaches such as emotion-focused and acceptance-based therapies have shown promise in alleviating FNSD symptoms by improving emotion regulation skills (Bajestan & W. Curt  LaFrance, 2016; Graham et al., 2017). As ongoing research elucidates the complex relationship between cognitive-affective traits and FNSD, using these affected traits to investigate outcomes in this patient group appears promising.

The present work incorporates two affected areas of emotion dysregulation - attention and decision-making - to assess outcome measurement in FNSD.

### 1.4.4 Research objective

Subjective experience, healthcare utilisation, affective cognition are important aspects of FNSD phenomenology that are measurable (e.g., can be compared to general population control), can change over time, e.g., in response to therapeutic intervention and can act potentially act as indicators of current state, treatment efficacy or HRQOL. As such, this research aims to investigate the utility of these outcome measurement approaches in FNSD patients to provide valuable insights into treatment efficacy, current state or changes in health status. Additionally, this work aims to contribute to refining and optimising these measures for clinical and research purposes and propose informed recommendations for effectively implementing these and other measures in assessing FNSD patient outcomes.

### 1.4.5 Research Questions

To meet these objectives, the overarching research questions to be addressed by this work are:

1. Can healthcare utilisation patterns be used to determine assess health state, treatment effectiveness or treatment-related change in patients with FNSD?
2. Can a novel disorder-specific patient self-report measure yield accurate and clinically meaningful information regarding health state, treatment effectiveness or treatment-related change in patients with FNSD?
3. Can cognitive, affective traits such as emotion dysregulation be an accurate predictor/indicator of current health state, treatment effectiveness or treatment-related change in patients with FNSD?
4. How can the responsiveness and sensitivity of outcome measures be maximised to capture clinically meaningful changes in FNSD patients accurately?
5. Can objective measures complement subjective assessments and enhance the accuracy and reliability of outcome measurement in FNSD?

## 1.5 Thesis

### 1.5.1 Thesis Aim

This thesis aims to add to the knowledge of outcome measures in Functional Neurological Symptom Disorders by describing research projects investigating self-report, social behavioural, and cognitive behavioural approaches to outcome measurement in FNSD. Additionally, this thesis will discuss what these approaches collectively inform about meaningful measurement in patients with FNSD and recommend further work in this field.

# 2.0 Subjective versus Objective measures of distress, arousal and symptom burden in patients with Functional seizures and other manifestations of Functional Neurological Symptom Disorder: A Systematic Review.

## 2.1 Introduction

Functional Neurological Symptom disorder (FNSD) is defined by the presence of distressing neurological symptoms that are not explained by identifiable neurological pathology (American Psychiatric Association, 2013). The process of diagnosing FNSD is not limited to the exclusion of other neurological diseases. Still, it involves the identification of typical manifestations of FNSD, suggesting that FNSD is a condition caused by abnormalities in brain networks underpinning attentional, perceptual and associative functions (American Psychiatric Association, 2013; Kanaan et al., 2010; Stone et al., 2010, 2011). Different forms of FNSD are based on the predominant neurological symptom, including but not limited to Functional Seizures (F.S.), Functional Movement Disorder (FMD) and Functional Cognitive Disorder (FCD).

FNSD is the second most common diagnosis made in neurology outpatient clinics accounting for 11% of neurological outpatient attendances or 9% of neurological hospital admissions, and causes levels of disability similar to those found in neurological diseases such as epilepsy or multiple sclerosis (Stone et al., 2010). FNSD most commonly presents to neurologists as F.S., and this often results in severe and/or chronic symptoms with considerable impact on patients' social/occupational functioning, mental health and physical health, in addition to the significant healthcare and societal costs (A. J. Carson et al., 2012a; Reuber, Pukrop, Bauer, et al., 2003).

## 2.2 Subjective and objective measures in FNSD

The choice of outcome measures poses particular challenges in FNSD (Baizabal-Carvallo et al., 2019; Nicholson et al., 2020). Research in FNSD has moved beyond the emphasis on psychosocial stressors and psychological theories to potentially relevant neurobiological mechanisms. Researchers have increasingly adopted objective approaches, including physiological, performance-based testing or neuroimaging. While symptoms of the disorder are usually the most intuitive aspect of disorders to measure (i.e. F.S. frequency or core symptom severity in other types of FNSD) (Pick, Anderson, et al., 2020), core symptom heterogeneity, physical and psychological comorbidities, as well as variability in life impact, disability, social functioning and illness perception in FNSD confound the selection and utilisation of outcome measures. No single standardised way of recording these outcomes has been established, and a focus on one FNSD symptom (e.g., seizures) is only conceivable in subgroups of patients with this disorder. What is more, there is an ongoing discussion about the discrepancies found between subjective and objective findings in patients with FNSD (Benbadis, 2009; Pareés et al., 2012).

These measures are of particular interest due to the high levels of stress, arousal and emotion dysregulation often reported in F.S. in particular and FNSD more generally. This association may be more relevant in FNSD than other medical disorders because most current aetiological models consider these factors relevant in the pathogenesis of FNSD and not simply a consequence of the disorder (R. J. Brown & Reuber, 2016b; Keynejad et al., 2019). Much evidence comes from patient self-report investigations, which suggest that patients with FNSD experience their lives as more stressful, are more aroused and/or anxious and often use maladaptive emotional processes and coping strategies to avoid conflicts, threats or stress compared to healthy controls (H.C.s) (Bakvis et al., 2009, 2011; Demartini et al., 2016; Testa et al., 2012; I. A. Williams, Levita, et al., 2018). In those with F.S., the experience of recurrent ictal events and the physiological arousal associated with individual seizures may also contribute (Ponnusamy et al., 2012), and there is accumulating behavioural, neurobiological and experimental evidence to support the notion that increased stress sensitivity and emotional dysregulation may be aetiologically relevant in FNSD (Pick et al., 2019). Increased activation of multiple components of the stress system (including the hypothalamic–pituitary–adrenal axis, HPA) and the autonomic nervous system (Apazoglou et al., 2017; K. Roelofs & Pasman, 2016) have been reported, while brain imaging studies suggest networks involved in arousal and emotion-processing are hyper-active in patients with FNSD (Bègue et al., 2019; J. J. Roelofs et al., 2019).

Based on these observations, FNSD has been theorised as a behavioural or dissociative response to distressing emotional, physiological or social stimuli (Bègue et al., 2019; R. J. Brown & Reuber, 2016b). As such, evidence of how effectively patients cope with stress and regulate their emotions is particularly relevant to function and symptom control in FNSD. The present systematic review will examine the wide range of available subjective and objective/behavioural state and outcome measures for patients with FNSD to answer the following questions: to what extent do findings from subjective and objective outcome measures correlate with each other, and does one approach (i.e., subjective versus objective measures) provide a more accurate and/or clinically meaningful picture than the other? To address these questions, this systematic review provides an up-to-date synthesis of studies combining subjective 'self-report' measures and objective 'physiological or experimental task-based' or 'behavioural' measures of stress, distress and arousal in individuals with FNSD.

## 2.3 Methods

### 2.3.1 Literature search

An original systematic literature search of the PubMed and Science Direct, and Embase databases was conducted on 17/08/2021 to capture relevant studies. The search terms to identify relevant publications were *"conversion disorder" OR "functional neurological disorder" OR "psychogenic" OR "non-epileptic" OR "dissociative seizures") AND ("heart rate", "heart rate variability", "interoception" "interoceptive sensitivity" "interoceptive ability" "cortisol", "respiration" "skin conductance" "stress" "distress" "arousal" "anxiety" "blood pressure") AND ("subjective" OR "self-report" OR "questionnaire").*

Following the removal of duplicates and citations from non-English journals, paper titles and abstracts were scrutinised by J.A. in a first screening to identify potentially eligible studies; those evidently outside the scope of the review were rejected. Full-text articles of the remaining studies were screened using the defined inclusion criteria. The reference lists of eligible studies and reviews were searched for additional articles. Several synonyms for F.S. and FNSD were used to capture the relevant subject population. These were used in combination with terms describing commonly used objective and subjective measures of distress, arousal and symptom burden.

### 2.3.2 Study Selection

Studies were included if the following criteria were met: 1) they report on patients with functional neurological disorders, described as functional, non-organic, psychogenic, hysterical or conversion disorder; 2) they report data measuring stress, distress, arousal or symptom burden with at least 1 objective (physiological) outcome and at least 1 subjective (self-reported) outcome; 3) the size of each patient group was at least 10. Studies in paediatric, adult populations and studies with or without healthy controls were included.

For studies to be included, diagnostic criteria for patients had to meet DSM-5 criteria for FNSD by individual study authors or by the authors of this current review if predating the DSM-5.

The descriptive terminology for objectivity and subjectivity in literature was ill-defined. To address the research question accurately, there was a need to impose a taxonomy to allow quantitative study and analysis. "Objective" outcome measures were defined as those having a physiological or biological basis, and/or explicitly measuring physiological or cognitive functioning with minimal interference/bias/ influence of patients' own perception. "Subjective" measures were defined as measures completed by patients/study participants with quantifiable ordinal scoring. This excluded qualitative assessment or data acquired from unstructured interviews.

Studies were excluded: 1) when only subjective or objective measures were utilised in isolation and not used in combination; 2) where the FNSD population included patients with comorbid organic disease – particularly in the case of non-epileptic seizures and epilepsy; 3) when the full text was not available; 4) when studies were not available in English. Other exclusion criteria included review articles, meta-analyses and case reports or series, conference abstracts, book reviews, journal notes, and journal letters. Figure 1 shows a PRISMA flow diagram of the systematic review methodology utilised for this article.

### 2.3.3 Data Extraction and Analysis

All articles were reviewed independently by J.A. Data were systematically extracted regarding: (a) the study's investigative aim; (b) the symptoms of the FNSD population; (c) the objectives and outcome measures; (d) the study design; (e) the type of study; (f) the year of the study; (g) the main findings of the study; and (h) conclusions.

For the sake of uniformity, we chose to use the term 'functional' in line with its use in the DSM-5 when describing different studies, even when the authors themselves used another terminology (i.e., "hysterical", "psychogenic", "conversion", "medically unexplained"). Objective outcomes and ordinal subjective scores were scrutinised. Correlations from studies directly comparing scores within groups are reported in Table 4.

**Figure 1:** PRISMA flow diagram detailing the database searches, and study selection.

Records identified through database searching  
(n = 536)

Additional records identified through other sources  
(n = 5)

Total records  
(n = 541)

Records screened  
(n = 453)

**Records excluded  
(n = 412):**

Languages other than English

Reviews/meta-analysis

Case series or reports

Articles not relevant to our study population

Articles not measuring stress, distress or arousal

Articles reporting use of only subjective or objective measures

Results from mixed (FNSD/ Healthy control) sample reported

Full-text articles assessed for eligibility  
(n = 41)

**Full-text articles excluded  
(n = 18)**

2 full text unavailable

11 not measuring stress, distress or arousal

5 subjective measures not measurable

3 Mixed FNSD sample with organic disease

Studies included in quality assessment  
(n = 23)

18 studies included in review

Duplicates removed (n = 88)

**Studies excluded  
(n = 5)**

4 Insufficient exclusion criteria of other neurological comorbidities

1 Non video-EEG confirmed FS patients

## 2.4 Quality Assessment

The studies deemed eligible for inclusion in the review were put through a formal quality appraisal. Methodological quality was reviewed using an adaptation of the Critical Appraisal Skills Programme (CASP). The scale was adapted for relevance to this research field following recommendations from Brown and Reuber (R. J. Brown & Reuber, 2016a) and the authors' knowledge of the area with respect to the review question. The final appraisal tool combined quality items from the CASP checklist (using the relevant checklist for the respective study design) and the reliable rating system designed specifically for quantitative research in this field (R. J. Brown & Reuber, 2016b). This incorporated assessment of the attempt of researchers to identify appropriate and representative participants, appraising whether: i) the FNSD diagnoses for inclusion were reliable and referenced (e.g. if F.S. all diagnoses had been video-EEG confirmed); ii) if additional neurological diseases had been explicitly ruled out or controlled for within analysis; iii) recruitment was consecutive; and iv) dependent variables had been standardised. Given the aims of this review, we included further specific quality items pertaining to data analysis; i.e. whether study authors carried out an appropriate assessment of the measures utilised in the study, multivariate analysis and corrections for multiple comparisons (when required). (Individual quality indicators can be found in Supplementary Table 2.)

## 2.5 Results

### 2.5.1 Included studies

In total, 18 studies met the inclusion criteria, providing data on subjective and objective measures of stress, distress (including symptom burden) or arousal for 396 FNSD patients exclusively. All the studies had a control group which included either healthy participants (n = 303) and/or participants with a neurological or psychiatric diagnosis (n = 134). All the studies were observational and did not include any treatment intervention. The identified studies and key findings are summarised in Supplementary Table 1.

### 2.5.2 Quality of studies

All eligible studies were included in the quality assessment (Supplementary Table 2). None presented formal sample size calculations. Patients were recruited consecutively in 39% of studies (n = 7). An explicit reference to other neurological disorders being ruled out was made in 88% of reports (n = 16).

DSM-5 criteria were still in development at the time of publication for some of the included studies. However, all F.S. diagnoses were confirmed by the recording of a typical non-epileptic event with video-EEG, the current gold standard for diagnosis, and other authors reported inclusion of FNSD patients based on the new DSM-5 criteria (Figure 1). In total, 261 patients with F.S. and 135 with other or mixed manifestations of FNSD were recruited. The methods of confirming diagnoses varied widely in studies with other functional disorders. Some studies with FMD patients reported exclusive participation of patients with "clinically established" FMD (Fahn & Williams, 1988), or with "clinically definite" FMD (D. T. Williams et al., 1995). Two studies relied only on a "clinically probable" diagnosis based on Fahn et al (D. T. Williams et al., 1995) and ILAE criteria (Lafrance et al., 2013). Based on the above criteria or DSM-5, the clinical evaluation of included patients comprised neurological examinations, interviews and reviews of clinical histories by neurologists and/or psychiatrists. In one study, participants were reviewed by consensus of a board of neurologists, and another study required consensus between two neurologists to confirm positive symptoms.

### 2.5.3 Categorisation of Studies

Based on the research question and constructs of focus, the studies were categorised into three research areas: (1) stress response, (2) emotion processing, and (3) illness burden. Some studies overlapped categories but were placed based on the primary outcome of the study. Their most relevant methodologies and findings are summarised in the following sections.

### 2.5.4 Stress response

Eight studies (Allendorfer et al., 2019; Apazoglou et al., 2017; Bakvis et al., 2009, 2011; Pick et al., 2018a) explored the neurobiological stress response utilising a range of known physiological stress markers as objective measures. These included measures of salivary cortisol and salivary alpha-amylase to identify response in the hypothalamic pituitary adrenal axis (HPA-axis, known as the 'stress system') while skin conductance responses were used in one study (Pick et al., 2018a) as a marker of the peripheral sympathetic autonomic nervous system to assess arousal and non-conscious responses. These studies adopted a range of self-report measures, including direct reports of acute stress and anxiety levels on a visual analogue scale, a self-assessment manikin, or validated stress scale, and questionnaires exploring other key outcomes such as quality of life, psychiatric comorbidity, physical disability and seizure severity. Overall aims included profiling stress response in FNSD in variable conditions, where some studies focused on basal levels of arousal. Six of these studies aimed to a different degree to compare subjective and physiological (or autonomic/objective) experience (particularly relevant to this review).

Three of the studies were observational (Bakvis et al., 2010; Maurer et al., 2015; Novakova et al., 2017) and solely investigated basal stress measurements with no intervention. The other five incorporated an experimental paradigm or included a repeat measurement in a different condition e.g. after stress induction such as the Trier Social Stress test, cold-pressor test or viewing of affective images (Allendorfer et al., 2019; Apazoglou et al., 2017; Bakvis et al., 2009; Maurer et al., 2015; Pick et al., 2018a). One study compared findings with an epilepsy control group rather than healthy seizure-free controls in the remaining stress response studies, adding an interesting level of analysis; notably, the authors reported no significant differences in self-reported or physiological stress between the two patient groups. All eight studies were very consistent in their findings, reporting increased basal stress levels, autonomic hyperactivity and elevated levels of arousal in FNSD patients, as well as subjective reports of elevated stress compared to controls.

### 2.5.5 Emotion processing

Eight studies (Demartini et al., 2016; Herrero et al., 2020; Koreki et al., 2020; Kotwas et al., 2019; Ricciardi et al., 2016; Roberts et al., 2012; Roberts Ph.D. et al., 2020; I. A. Williams et al., 2021) aimed to investigate emotion processing in FNSD utilising a variety of approaches. Objective measures utilised in these studies included the heartbeat detection task as a measure of interoceptive ability (Demartini et al., 2016; Koreki et al., 2020; Ricciardi et al., 2016; I. A. Williams et al., 2021). Skin conductance responses/levels (SCR/SCL) (indicative of peripheral sympathetic autonomic nervous system response) (Herrero et al., 2020; Kotwas et al., 2019) , cardiac inter-beat interval (IBI), or respiratory sinus arrhythmia (RSA) (indicative of sympathetic nervous system response) were measured in response to affective images, films or facial expressions (Roberts et al., 2012; Roberts Ph.D. et al., 2020). Subjective measures included a range of validated self-report questionnaires assessing symptom burden, anxiety, depression, history of trauma, and health-related quality of life, as well as measures related to emotion dysregulation, such as dissociation, depersonalisation and alexithymia scales. Two studies utilised a Self-Assessment Manikin emotion rating scale to record participant self-ratings for emotional valence and arousal in response to affective images of the International Affective Picture System (IAPS) (Herrero et al., 2020; Roberts et al., 2012). Pertinent to the current review, one study primarily aimed to assess physiological, cognitive, and behavioural responses to emotional stimuli, while three others included comparisons as exploratory or secondary investigations. All of these studies recruited healthy controls for comparison (Herrero et al., 2020).

### 2.5.6 Illness burden

Two studies (Kramer et al., 2019; Pareés et al., 2012) directly compared physiological measures of symptoms with patients' self-perceived experience of symptoms. The studies explored reports of tremor duration and severity in organic and functional tremor patients. Objective tremor duration was recorded using a wrist-worn actigraph and was compared to patients' perception of duration or severity recorded in a self-completed diary.

### 2.5.7 Associations between subjective versus objective measures in FNSD

Studies providing correlational analysis

Twelve studies provided quantitatively calculated or descriptively referenced correlational analyses conducted between findings from objective and subjective measures (see Table 1 for details).

Three studies did not report nor reference any attempt to assess the relationship between objective and subjective measures, rather subjective measures were included to control for potential confounders in the analysis of findings from the primary objective measures (Bakvis et al., 2011; Demartini et al., 2016; Roberts et al., 2020).

Studies reporting no significant associations

Eleven studies (92%) report no significant correlations in any comparisons between a self-reported outcome and an objective measurement of related constructs within the studied FNSD group (Allendorfer et al., 2019; Apazoglou et al., 2017; Herrero et al., 2020; Kotwas et al., 2019; Kramer et al., 2019; Maurer et al., 2015; Novakova et al., 2017; Pareés et al., 2012; Ricciardi et al., 2016; I. A. Williams et al., 2021).

Eight studies analysed directly corresponding objective measures of the same symptom or construct, such as visual analogue scales of stress or validated perceived stress scales versus physiological stress markers (e.g., heart rate, skin conductance, salivary amylase or cortisol), actigraphy measured tremor vs self-reported tremor severity, and alexithymia or dissociative experience scales versus interoceptive sensitivity scores. None of these analyses identified significant correlations between closely corresponding constructs.

Studies reporting significant associations

Four studies did find a significant correlation in at least one subjective vs objective comparison (Allendorfer et al., 2019; Apazoglou et al., 2017; Bakvis et al., 2009; Herrero et al., 2020). Consistently significant correlations were found in the analysis conducted by Herrero et al. (2020) where five comparisons between self-reported dissociative and alexithymic tendencies and physiological responses to emotional images were carried out. The moderate correlations ranged between 0.44-0.59 (p's <0.05). Notably, only this study had the primary aim of assessing different (physiological, cognitive and behavioural) responses to emotional stimuli, which neatly fit the definitions of 'objective' and 'subjective' measurement which we adopted for this review. Allendorfer et al. (2019) reported a strong negative correlation between perceived stress and change in H.R. in response to induced physiological stress (r=-0.74, p=0.0063). This result matched the authors' expectations (i.e. it was inversely proportional) and suggests that the specific subjective stress measure used in this study could be used as a proxy of H.R. response or vice versa in similar studies.

In two studies, closely related variables yielded significant correlations; positive attentional bias for angry faces at baseline positively correlated with self-reported sexual trauma (Bakvis et al., 2009), and the number and subjective impact of adverse life events positively correlated with salivary cortisol (Apazoglou et al., 2017). These correlations were consistent with the authors' hypotheses or the expectations of outcomes in the patient group based on current evidence.

Notably, three of these studies explored stress response, and all these studies utilised a relatively wide range of objective and subjective measures. Otherwise, there was no consistent pattern, for example, similarities in specific measures used, distinctive study samples or other methodological factors, that could be used to deduce why correlations were found in these but not the other studies discussed above (see Table 1 for subjective vs objective comparisons within FNSD groups reported in the included studies).

Associations within the research categories

These associations will be further described as they relate to each research area:

1. Stress response

Three of the six studies in the stress response category reported a significant correlation between objectively and subjectively measured outcomes. This category accounted for three of the four studies reporting significant correlations across all the studies included in this review. As described above, Allendorfer et al. (2019) , Apazoglou et al. (2017), and Bakvis et al. (2009) reported significant correlations between several different measures, some more directly pertinent to stress response than others. In the other studies in this category, correlations between both baseline and post-stress biological/physiological markers (HRV, salivary cortisol and amylase) and perceived stress or subjective arousal (Stress symptoms Inventory and stress on visual analogue scales) widely ranged in strength (r= -0.74 – 0.33) without, however, reaching statistical significance (Allendorfer et al., 2019; Apazoglou et al., 2017; Maurer et al., 2015; Novakova et al., 2017). Correlations between skin conductance and subjective experience described on a valence and arousal rating scale were inconsistent within an F.S. population described by Pick, Mellers and Goldstein (Pick et al., 2018a). No significant correlations were found between a visual analogue score for self-assessed stress levels and biological markers of stress (salivary cortisol and amylase) both before and after stress induction in an FMD study (r=0.13, p=0.65; (Apazoglou et al., 2017)). The self-reported duration and severity of symptoms also failed to correlate with these biological measures after stress; however, at baseline, these same subjectively assessed measures correlated with baseline cortisol (r=0.67, p=<0.01; r=-0.6, p<0.05, respectively). Likewise, there were no correlations between circulating cortisol levels and self-report scores on a psychometric questionnaire measuring anxiety, depression, history of trauma and disorder duration and severity in another FMD patient group (r = -0.212 – 0.173, p's> 0.05) (Maurer et al., 2015).

1. Emotion processing

In emotion processing studies, four studies included analyses between objective and subjective measures, and three reported no or non-significant correlations. Ricciardi et al. (2016) reported decreased cardiac interoceptive accuracy in patients with motor FNSD, thought to reflect an awareness of interoceptive signals. This study showed that performance on the interoceptive sensitivity task was not associated with self-reported alexithymia, self-objectification or depression scores. Similarly, I. A. Williams et al. (2021) reported no significant associations between pre- and post- stress induction interoceptive sensitivity scores and self-reported emotion processing scores when examined within their FNSD patient group and also interestingly within their healthy control group.

In response to emotional stimuli, there were mixed results. Kotwas et al. (2019) found no correlations between self-reported depression and anxiety scores with SCR measures in response to emotions induced by short film. However, there was no report on subjective emotional intensity and SCR. Meanwhile, Herrero et al. (2020) specifically compared female F.S. patients' physiological, cognitive, and behavioural emotional responses. The authors reported negative correlations between self-reported dissociation tendency and physiological responses (SCR and heart rate deceleration), while an alexithymia sub-score ('Difficulty in describing feelings") was negatively correlated with SCR rate, SCR latency, and heart rate deceleration for all images. The authors also reported no significant correlations between 'cognitive responses' (measured by self-reported valence and arousal elicited by the images) and any of the other measures. The significant results indicated lower physiological emotional response associated with a greater subjectively perceived response.

1. Illness symptom burden

In the two studies categorised as assessing illness symptom burden, Pareés et al. (2012) andKramer et al. (2019) compared objectively measured tremor using an actigraphy watch with patient self-report of tremor burden and reported inconsistent results. Pareés et al. (2012) found that functional patients reported tremors 84% of the day, while the actigraphy watch recorded tremors for only 4% of the day. The overreporting of symptoms was nearly twenty-fold in these patients and substantially mismatched between the subjective, and objective measures. This also contrasted significantly with the findings from organic patients in the same study, who self-reported tremors for 58% of the day, while the actigraphy watch recorded tremors for 25%, just over a two-fold overreporting of symptoms. However, Kramer et al. (2019) reported no significant difference between the objective tremor duration (21.6% of the time) and subjective symptom burden (38.72, as measured on a 0-100 VAS) in functional patients. Unlike Pareés et al. (2012), they found no difference between the functional and organic patient groups regarding the associations between subjective and objective symptoms.

## 2.6 Discussion

Our review revealed no close or consistent relationship between subjective and objective approaches to measuring study outcomes relating to stress, distress and arousal or symptoms burden in patients with FNSD. The few significant correlations identified between measures lacked a distinct or conclusive pattern when evaluated across primary study outcome categories (stress response, emotion processing and illness symptom burden). While demonstrating a lack of close correlation between objective and subjective state or outcome measures in patients with FNSD, our review gives some indication of specific research scenarios in which findings from subjective/objective approaches correlate with each other. Our review cannot answer whether one approach provides a more accurate and/or clinically meaningful picture than the other. Indeed, given that subjective and objective measures assess different – but equally valid – constructs, this question would be impossible to answer. The most appropriate kind of measure will depend on the question asked or the hypothesis to be tested.

In extracting findings from measures of stress, distress and arousal as in this review, it is important to consider the relationship between stress and arousal to FNSDs. Given our findings, it is possible that stress, arousal, and distress constructs are not directly or equally associated with FNSD symptom/objective burden or even FNSD aetiology, but perhaps more peripherally related to FNSDs in varying degrees. As such, the measures used to capture these concepts may not be responsible for the discrepancy observed in this review. In scenarios where a comprehensive understanding of a patient's health and functional state is required, the lack of consistent correlation means that both measures should be used because they yield complementary information.

Given the conceptualised links between stress, distress, arousal and emotion dysregulation and F.S. or FNSD (Keynejad et al., 2019; Pick et al., 2019; Sojka et al., 2018), the lack of a closer correlation between subjective and objective measures of these features may be surprising, especially as previous large prospective cohort and case-control studies in other populations have demonstrated clear associations between self-reported stress and objective long-term outcomes such as mortality or rates of medical disease (Keynejad et al., 2019).

Recent thinking about the cognitive processes associated with FNSD proposes two important mechanistic factors: self‐focused attention and brain‐expectations which infer that top‐down influences, and prior beliefs are likely to modify any bottom‐up sensory information (M. J. Edwards et al., 2012). Several of the reviewed studies provided evidence for an impaired interoceptive awareness in FNSD (Demartini et al., 2016; Koreki et al., 2020; Ricciardi et al., 2016). Similarly, abnormal symptom perception, body-centred attention and the subsequent tendency to interpret bodily sensations negatively have been reported in other FNSDs (Gupta & Lang, 2009; Pareés et al., 2012) as well as several related functional conditions including chronic pain, somatoform disorders, fatigue, health anxiety and hypochondriasis (Goedendorp et al., 2013; Marcus et al., 2007; Rief & Broadbent, 2007; Rief & Martin, 2014). Taking account of the high levels of alexithymia reported in some patient groups with FNSD and the hypothesised perceptual abnormalities underpinning FNSD (Bewley et al., 2005; M. J. Edwards et al., 2012; Goedendorp et al., 2013; Gupta & Lang, 2009; Marcus et al., 2007; Rief & Broadbent, 2007; Rief & Martin, 2014), it would be tempting to interpret the discrepancy between physiological response and subjective stress perceptions in this patient group as demonstrating that self-reports simply cannot be used as a proxy of physiological arousal in FNSD. However, rather than simply invalidating self-reported symptoms, the size of the discrepancy between subjective and objective measures of stress, distress or arousal could be of particular scientific interest in patients with FNSD. If the perceptual theories about the pathogenesis of FNSD symptom generation are correct, the difference between subjective and objective measures may reflect an important aspect of the cognitive pathology underpinning this disorder.

Despite the absence of objective evidence of structural, biochemical or physiological abnormality, the discrepancy between objective and subjective measures of stress or arousal in FNSD patients does not mean that the manifestations of this disorder must be consciously produced (as in malingering or factitious disorders) or exaggerated. The lack of association between subjective and objective measures of stress and arousal in the reviewed studies include scenarios in which objective measures captured elevated arousal, but patients' self-perception of this did not match (Allendorfer et al., 2019; Apazoglou et al., 2017; Novakova et al., 2017; Pick et al., 2018a). It is a matter of continuing debate whether the inability of FNSD patients to recall or perceive symptoms of distress or potentially relevant distressing experiences means that they never occurred, that they are unwilling or unable to recall them, or that the methods used to capture this information are inadequate. Increased dissociative tendencies such as avoidant coping strategies (Dimaro et al., 2014), are commonly found in patients with FNSD, in particular in F.S. (Goldstein & Mellers, 2006) and could explain some of these discrepancies. The lack of close correlation between subjective and objective measures in the reported FNSD populations is certainly not the result of a systematic over-reporting of arousal symptoms.

Other explanations for the discrepancy between subjective and objective findings could be the impact of current state, or the difference in time window between self-report measures (typically exploring time periods extending from minutes to months) and objective measures (often capturing milliseconds to minutes). These considerations could explain why the discrepancy between subjective and objective measures discussed above is not exclusive to patients with FNSD. While large longitudinal observational studies mentioned above have documented that subjective reports of stressful experiences are associated with adverse "hard" / objective health outcomes years later, a lack of correlation of subjective and apparently related objective measures has also been demonstrated in many other psychiatric and neurological disorders. For instance, the dementia literature shows inconsistent correlations between pathological changes and self-reported levels of functioning; as well as discrepancies of self-report and behavioural findings (Frank et al., 2011; Goverover et al., 2005; Rueda et al., 2015; Zeintl et al., 2006). Similarly poor correlations between have been found in multiple sclerosis (van der Hiele et al., 2012; Visser & van der Hiele, 2014) and Parkinson's Disease (Koerts et al., 2011; Shulman et al., 2006). Similar to the situation in FNSDs, some researchers have concluded that these discrepancies may be due to a lack of insight needed to complete self-ratings accurately; particularly when such insights could be affected by the disease itself or by adaptive/maladaptive coping mechanisms rather than being due to inaccurate measurement, factitious disorder or malingering.

In light of this, it is important not only to seek explanations for the subjective/objective discrepancy by focusing on processing abnormalities in the FNSD patient group but also by considering the nature of the self-report measures employed and their specific applicability. The reviewed primary research largely used generic measures of health status, quality of life (e.g. SF-36), and psychiatric comorbidity (e.g. PHQ-19, GAD-7, HADS) to assess symptoms of clinical depression, state and trait anxiety). Emotion dysregulation, processing and response scales, including stress or emotion response analogue scales have also been used alongside measures pertaining to specific symptoms or disorders (e.g. Symptom revised checklist, Porges' Body perception questionnaire). Very few specific measures have been developed for FNSD symptoms and the generic or even disease-specific measures found to be valid, reliable and sensitive to change in other relevant populations may not be equally sensitive or appropriate across the heterogeneous population of patients with FNSD. As such, they may become suboptimal instruments that capture indirect or broader features of the disorder rather than changes more directly related to the underpinning pathology in this patient group.

Our observations suggest that a greater degree of specificity to the targeted disorders may be required when assessing patients with FNSD. The most important and informative outcomes may be those most meaningful to the patient (Michaelis, Niedermann, et al., 2017). Broader symptoms of anxiety and depression may overshadow other relevant psychological processes in patients with FNSD. An overriding focus on markers of distress may increase the risk of overlooking other relevant health indicators and may lead to patients to developing detrimental and illness-promoting perceptions of their health (Hagger and Orbell, 2003). Some of the self-report measures used in the reviewed studies may have suffered from these generic weaknesses of self-reported data, including a lack of clarity of the measured construct (Haeffel & Howard, 2010). Ultimately, patients and research participants are likely to have better insight into cognitive content (e.g. knowledge, facts, opinions), than the cognitive processes that have generated this knowledge (Johansson et al., 2006). Therefore, these findings also highlight the need for self-report measures that have been specifically validated in patients with FNSD, a more refined understanding and development of measures that capture the required information from this heterogeneous clinical population and take account of the inherent complexities of the disorder. This is particularly important when researchers aim to study the variable relationship between subjective symptoms as felt and expressed by patients and objectively measured physiological dysfunction or structural change.

### 2.6.1 Limitations

The conclusions of this review must be interpreted within the constraints of the limitations of the studies it included. One principal limitation and relatively typical of FNSD research studies was the small number of patients included in the reviewed studies. This was consistently recognised as a limitation within the included articles, and a-priori analysis to calculate an adequately powered sample size was lacking in all studies. In a disorder like FNSD, population heterogeneity means that small sample sizes and the use of mean scores might conceivably lead to false-positive results. In addition, analyses involving multiple comparisons introduce a risk of type 1 errors. Several of the studies did not reference any procedures to correct for this, meaning their results must be interpreted with caution.

In addition to the small samples, our quality appraisal revealed that studies tended to omit important methodological criteria, such as the measures taken for diagnostic certainty of the included patients or whether F.S. had been formally differentiated from other neurological comorbidities. Unclear or unreported study design was the only reason why some studies were excluded from this review after quality appraisal. To improve study design quality and reporting in this area, researchers may benefit from specific recommendations relevant to the field (R. J. Brown & Reuber, 2016a) and established guidelines for publication (e.g., www.strobe-statement.org).

Despite the inclusion criteria for this review, there was still significant variability in diagnostic certainty found in the included studies. The current review included only studies that referenced patients that fit the DSM-5 criteria for FNSD or referenced established diagnostic criteria for the study sample; however, the studies varied in their inclusion criteria and the extent to which they scrutinised the diagnosis of the patients. Given the variable sensitivity and specificity of signs of FNSD and the lack of a gold standard to differentiate between different FNSDs, incorrect diagnoses may have been given to participants. Diagnostic certainty is paramount to ensure an accurate representation of the patient group and to avoid potential reasoning bias among patients (Daum et al., 2014). Furthermore, recruitment and inclusion bias were potentially present in most samples due to recruitment within specialist healthcare clinics and/or non-consecutive sampling.

A further limitation of the reviewed studies is the reliability of the included measures. While some studies supplied at least one appropriate measure of reliability (Novakova et al., 2017; Ricciardi et al., 2016; Roberts et al., 2012), such as Cronbach's alpha, there were several omissions across studies and data were generally incomplete.

Finally, the studies in this review were limited to those that included directly comparable data by way of correlation between self-report and objective measures or included a reference to any relationship explored or identified. Access to primary data from each study was not feasible; therefore, we relied solely on the reported comparison. This reduced the number of studies with relevant analyses and limited our ability to assess the degree of agreement between the two measures accurately. The review did not assess in detail the agreement between individual correlations for corresponding measures but instead categorised the studies to investigate any emerging patterns. Finally, this review did not discern between differences in study protocols related to or collection of the measurements and other population-specific characteristics.

### 2.6.2 Future directions

The limited literature regarding the discrepancy between subjective and objective measures as well as the limitations of the available literature necessitate further research before firm conclusions about this relationship in patients with F.S. and other manifestations of FNSD can be reached.

Future research involving sufficiently powered studies should explore the factors that affect or moderate patients' self-perceptions of their physiological state and the clinical relevance of discrepancies between subjective and objective measures. An interesting factor to explore would be whether psychological intervention and other treatment modalities affect the relationship between subjective and objective findings in this patient group, particularly as making the 'unconscious conscious' is an important aspect of psychotherapies for FNSD.

The development of specific measures for FNSD should involve researchers talking to patients with FNSD to identify the most important determinants of disability and distress in this disorder, while generic self-report measures commonly used in FNSD-related research require validation in specific FNSD samples.

## 2.7 Conclusions

FNSD has features that make outcome measurement particularly complex. Some of these features, such as the heterogeneity and variability of FNSD manifestations (including F.S.) limit the use and interpretability of subjective and objective current-state measures. The very limited correlations between objective and subjective measures in this patient group do not mean that symptoms are wilfully produced or that outcomes simply cannot be measured. In many cases, the combination of subjective and objective measures is likely to produce the most comprehensive understanding of patients' current state or treatment outcome, and the size of the discrepancy between subjective and objective measures may provide additional useful insights into the underlying pathology. The findings of this review underscore the importance of a better validation of outcome measures in patients with FNSD and of a careful selection of the most appropriate measures for the particular research objectives.

***Table 1. Correlations between self-report scores and objective measures reported in the studies***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category  (n. comparative studies/n. number of studies in category) b | Study | Subjective self-report measurea | Objective correlate measurea | Within group correlation analysis | |
| Descriptive | Quantitative  (r values, range) |
| Stress Response (6/8) | Novakova, Harris and Reuber (2017) | Smith Stress Symptoms Inventory (SSSI) | HRV, cortisol | No significant correlations between self-reported stress and any of the physiological measures\* | r = -0.174 - 0.244, p's> 0.05 |
|  | Pick, Mellers and Goldstein (2018) | Subjective valence and arousal rating (SAM) | SCR, SCL | Correlations between autonomic response and subjective experience were not consistent within F.S. population.\* | - |
|  | Apazoglou et al (2017) | Evaluation of stress on visual analogue scale, Beck Depression Inventory, State-Trait Anxiety Inventory,  Ameil-Lebigre Questionnaire (Life Events)  Childhood Trauma Questionnaire  Clinical Global Impression (CGI)  Mobility subscale of Neuro-Qol | Salivary cortisol and amylase | The number (1) and subjective impact (2) of adverse life events positively correlated with cortisol AUCg.  The number (3) and subjective impact (4) of adverse life events did not correlate with amylase values (AUCg).  No correlation between self-reported stress (VAS) and objective values at rest, nor after stress induction in VAS vs amylase (5) and VAS vs cortisol values (6)  No correlations between self-reported duration and severity of symptoms and salivary cortisol and amylase (7)\* | (1) r = 0.67, p < 0.01  (2) r =- 0.6, p < 0.05  (3) r = 0.24, p > 0.05  (4) r = 0.33, p > 0.05  (5) r = 0.13, p = 0.65  (6) r = -0.17, p > 0.05  (7) r = -0.45 - 0.45, p’s > 0.05 |
|  | Maurer et al (2015) | Beck Depression Inventory, State-Trait Anxiety Inventory, Childhood Trauma Questionnaire, Traumatic Life Events Questionnaire | Salivary cortisol | No correlation between cortisol levels and self-report scores on any of the psychometric questionnaire scores measuring anxiety, depression, history of traumas and disorder duration and severity\* | r = -0.212 – 0.173, p's> 0.05 |
|  | Allendorfer et al (2019) | Perceived Stress Scale (PSS) | Heart rate, Salivary cortisol and alpha-amylase and  fMRI | Perceived stress negatively correlated with change in H.R. to physiological stress (1).  Perceived stress was not associated with change in cortisol (2) or in alpha-amylase (3). No significant associations were found between fMRI stress response and perceived stress (4)\* | (1) rs = -0.74, p = 0.0063  (2) rs = -0.47, p = 0.12  (3) rs = -0.45, p = 0.14  (4) r = nr, p > 0.0125 |
|  | Bakvis et al (2009) | Traumatic Experiences Checklist (TEC), subjective anxiety on a VAS | Masked emotional Stroop test  Salivary cortisol  Systolic and diastolic BP, HR, HRV | Positive attentional bias for angry faces at baseline positively correlated to the presence of sexual trauma reports | r = -0.46, p < 0.05 |
| Emotion Processing (4/8) | Kotwas et al (2019) | Beck Depression Inventory  State Trait Anxiety Index | Skin conductance response | No correlation between depression & anxiety scores and skin conductance responses \* | - |
|  | Ricciardi et al (2016) | Toronto Alexithymia Scale-20, Self-Objectification Questionnaire,  Montgomery Asberg Depression Rating scale | Interoceptive sensitivity score | No significant correlations between I.S. and depression (1), alexithymia (2), self-objectification (3) scores. \* | (1) r = -0.51, p = 0.13  (2) r = -0.38, p = 0.44  (3) r = -0.40, p = 0.37 |
|  | Herrero et al (2020) | Hamilton Anxiety Rating Scale, Dissociative Experiences Scale, Childhood Trauma Questionnaire, Toronto Alexithymia Scale, m measures of valence and arousal on SAM | Skin Conductance Response, Heart rate deceleration | Self-reported dissociation tendency was negatively correlated to physiological response SCR (1) and heart rate deceleration (2).  Alexithymia' Difficulty in describing feelings" subscore was negatively correlated with SCR rate (3), SCR latency (4),and heart rate deceleration (5) for all images. For cognitive response, no correlation was found.\* | (1) r = -0.48, p = 0.0083  (2) r = -0.49, p = 0.021  (3) r = -0.44, p = 0.012  (4) r = -0.50, p = 0.013  (5) r = -0.59, p = 0.0037 |
|  | Wiliams et al (2021) | The Emotional Processing Scale (EPS), Patient Health Questionnaire (PHQ-9), Generalised Anxiety Questionnaire (GAD-7) | Interoceptive sensitivity (I.S.), Heart rate, Cold Pressor Test | No significant associations between I.S. scores and EPS-25 main or subscale scores when examined within-groups. | - |
| Illness burden  (n=2/2) | Parees et al (2012) | Self-rated assessment of tremor duration in self-completed diary | Actigraph measurement of tremor | Psychogenic tremor patients showed a significantly greater bias towards over-estimation of tremor (65%), rated themselves as significantly more disabled and as having poorer QOL - but this did not correlate with actigraphy data\* | - |
|  | Kramer et al (2019) | Self-rated assessment of tremor burden in self-completed diary | Actigraph measurement of tremor | No significant difference found in the subjective and objective associations within the OrgT group and the F.T. group\* | r = nr, p = 0.168 |

1. *Table includes only information pertinent to relevant correlation analysis*
2. *Comparative studies = those providing results from a correlational analysis between subjective and objective outcome measures.*

*A dash ("-") indicates data was not included in the study*

*Non-significant correlations \* signifies p-value of <0.05; \*\* signifies p-value of <0.00*

# 3.0 Evaluation and refinement of the novel sElf-efficacy, Assertiveness, Social support, self-awareness and hElpful thinking (EASE) questionnaire for patients with Functional Neurological Symptom Disorder.

## 3.1 Introduction

### 3.1.1 Outcome measurement in FNSD

Specific and widely used measures to assess outcomes in FNSD are lacking. While it is evident that several outcome domains may be relevant in patients with FNSD (pwFNSD), evidence-based medicine emphasises the need for consistent outcome measurement. A key challenge in FNSD research and clinical care is deciding which outcomes are most useful to measure.

The biopsychosocial model of health suggests that dynamic resource-oriented psychological features should be considered clinically valuable when assessing treatments and treatment outcomes (Bandura, 2004). This may be particularly pertinent in FNSD patients where generic measures may not capture direct primary outcomes that would have specific relevance to the efficacy of an intervention and may lead to inaccurate interpretations of outcomes. For example, worse scores on the epilepsy-specific measure, the Quality of Life in Epilepsy questionnaire (QOLIE), may be obtained from psychotherapy-treated patients even though they have experienced benefits from treatment; in such cases, psychotherapy may have successfully reduced alexithymia traits and equipped patients with a better understanding of their emotions, however, this may have increased patients' recognition of their distress. This may have allowed patients to make many positive life changes and be perceived as a positive development by the patient. The QOLIE measure may, therefore, not capture some important and informative outcomes that are meaningful to the patient (Michaelis, Niedermann, et al., 2017). This highlights the degree of specificity required when assessing treatment outcomes.

Resource-oriented approaches are significantly associated with prognosis in chronic disorders, including FNSD (Bandura, 2004; Michaelis, Niedermann et al., 2017), and resource-oriented constructs can be essential for maintaining a good quality of life (Priebe et al., 2014; Prüfer et al., 2013). A recent review of FNSD outcome measures by an international FND Core Outcome Measure group (FND-COM) found that all the studies that utilised a version of The Illness Perception Questionnaire detected significant treatment effects on composite or individual items on the scale suggesting that illness beliefs and perception may mediate treatment-related change or perhaps mediate change across different treatment and symptom types (Pick, Anderson, et al., 2020).

Considering the above discussion and the many-faceted interactions of symptom burden, relationships, and social aspects/influences with which pwFNSD and other chronic diseases must cope, assessing physical criteria, symptom burden, or HRQOL alone appears to be a limited approach. Assessing a person's resourcefulness for coping with challenging activities and situations may be equally important, and it has been proposed that this generalised sense of competence can predict a complex set of health perceptions and behaviours (Schwarzer & Fuchs, 1996). For pwFNSD, health perceptions may concern the perceived ability to control one's health situation and not consider oneself a victim of illness. Discrete health behaviours that reflect this may include seeking help and engaging levels of support from others when needed.

Despite some of these concepts in the varied psychotherapeutic approaches to FNSD, such as CBT, there is limited research focusing on resource-based approaches and related health behaviours. Insights from closely related chronic neurological disorders and symptoms, such as epilepsy, can provide a valuable starting point for identifying meaningful constructs from the patient's perspective and elucidating their significance in the clinical management of these conditions.

Michaelis et al. (2019) identified six main themes from the content analysis of qualitative interviews before and after resource- and mindfulness-oriented therapy in patients with epilepsy. The six themes were i. Encouragement of individual solutions: ii. Awareness of the link of personal traits with seizure-related worries; iii. How to develop self-efficacy; iv. Shaping everyday life in a way that is good for oneself (general self-efficacy); v. Coping with seizures (seizure-related self-efficacy) and vi. Increasing self-knowledge and control over one's life (sense of mastery). This recognition of the need to strengthen the resources of individuals with seizure disorders alongside the clinical management of symptoms means that resource-oriented instruments have a role in assessing psychological treatment effects. These considerations prompted the initial development of the novel self-Efficacy, Assertiveness, Social support, self-awareness and hElpful questionnaire (EASE). This measure was initially developed in Germany and was intended to target the identified resources previously shown to enhance coping and resilience in individuals with epilepsy, including general and seizure-specific self-efficacy, social support, assertiveness, awareness/acceptance, resilience/vulnerability and helpful thinking. (Michaelis et al., 2019). The EASE claims to capture these characteristics and constructs that are highly relevant to psychotherapy processes and outcomes.

### 3.1.2 EASE questionnaire

To the author's knowledge, there are no resource-oriented measures for individuals with FNSD. As such, the EASE inspired the development of a similar FNSD-specific version of this questionnaire.

According to the developers, the EASE is not intended to replace health-related quality of life (HRQOL) or psychopathology measures. The EASE was designed to be used adjunctively with measures of other key patient characteristics or treatment outcomes (such as psychopathology, QOL, disability, and global functioning) to assess psychotherapeutic interventions on constructs not captured in alternative measures. However, the EASE has not been sufficiently validated (Michaelis et al., 2019).

Based on the qualitative study discussed above, the authors of the original EASE questionnaire identified a candidate item set of 29 items, five of which included a follow-up (FU) item.

Development of the measure involved a 7-step process including but not limited to two separate clinical expert validity ratings, acquisition of qualitative descriptive feedback from international experts and patients with epileptic and non-epileptic seizures as well as assessment of internal consistency and correlation with similar previously validated generic and epilepsy-specific measures in a pilot study with 31 epilepsy inpatients. The pilot study showed that the questionnaire has overall internal consistency (**α** = 0.92) and is clear and acceptable to seizure patients. Measures used to examine the content and construct validity of the EASE included the General Self-Efficacy Scale, the German Epilepsy Self-Efficacy Scale, the German Mastery Scale, the German Resilience Scale and the Revised Sense of Coherence Scale and revealed good content validity (Michaelis et al., 2019). This process yielded a 40-item questionnaire in which eight items included at least one FU item.

As the EASE was initially written in German and designed for use in seizure-related disorders, the original version underwent translation to English and modifications for suitability for use in FNSDs (EASE-F) by the authors of the original EASE and an English specialist psychotherapy team. The Methods section below describes this translation process and further details about the EASE.

### 3.1.3 Clinically Meaningful Constructs in FNSD

The constructs identified in the initial qualitative study during the development of the EASE, and as such, the EASE-F, included self-efficacy, self-awareness, social support, and stigma. As these resources were derived from the perspectives of epilepsy patients, in the context of elucidating the helpful resources gained from psychotherapy, they could potentially be equally relevant for individuals with FNSD. These aspects are likely key clinical aspects of psychotherapy, where patients learn to use strategies to cope effectively with their symptoms and their impact on their lives.

Self-efficacy and social support have been shown to help people to cope with physical and psychological illnesses (Dilorio et al., 1992; Hagger & Orbell, 2003; Pretorius, 2016; Pretorius & Sparrow, 2015). Self-awareness, especially mindfulness, is considered helpful for those living with functional symptoms (Baslet et al., 2015; Kotwas et al., 2016; Lundgren et al., 2008), while perceived stigma and associated illness burdens have been related to a variety of prognostic indicators (Rawlings et al., 2017). There is limited literature on the functionality of these concepts in people with FNSD. The relevance of these concepts in illness management, treatment outcomes, and HRQOL, and where possible, in reference to FNSD syndromes, will be discussed in further detail in the following sections.

Self-efficacy

As introduced by Bandura (1977), self-efficacy is the belief in one's ability to accomplish tasks and achieve desired outcomes. This construct plays a crucial role in determining a person's motivation, perseverance, and resilience when faced with challenges. According to Bandura's Social Cognitive Theory, self-efficacy is shaped by personal experiences, social and environmental factors, and cognitive and emotional processes, which can either facilitate or impede the development of adaptive coping strategies (Bandura, 1977). Self-efficacy is influenced not only by an individual's personal experiences of success and ability to cope with illness but also by model learning and social encouragement. For example, witnessing someone who closely resembles oneself succeed through persistent efforts can positively impact one's self-efficacy. Therefore, the development of self-efficacy also involves individuals seeking contact with role models to adapt their behaviour and utilising social encouragement, such as verbal support and supportive structures. By fostering and sustaining social and environmental support, self-efficacy can be influenced bidirectionally (Bandura, 1977, 1989, 2004; Bandura et al., 1999).

Research has demonstrated the relevance of self-efficacy in various aspects of disease management, including medication adherence, health behaviours, and symptom control. However, research exploring self-efficacy's role in individuals with FNSD is limited. Rawlings et al. (2017) conducted a qualitative study comparing the subjective experiences of individuals with epilepsy and functional seizures (FS). They found that individuals with epilepsy exhibited greater self-efficacy and better disease control. At the same time, those with FS reported feelings of helplessness and maladaptive emotion regulation strategies, such as self-harm. This study provides preliminary evidence of self-efficacy and illness perception in these two patient groups. Other studies in epilepsy have revealed a significant relationship between self-efficacy and medication compliance (H. F. Chen et al., 2010) and other self-management behaviours, such as maintaining social contacts, sleep hygiene, engaging in physical activities, and stress reduction (Kobau & Dilorio, 2003). These findings suggest that self-efficacy plays a crucial role in some self-management practices among individuals with epilepsy, which could also be relevant in those with functional seizures. Elucidating the specific behaviours influenced by self-efficacy in individuals with FNSD and focusing on these for disease control rather than specific pathological aspects may benefit overall well-being (Hagger & Orbell, 2003). Therefore, promoting self-efficacy in pwFNSD may serve as a valuable clinical tool to enhance self-management, symptom control, and quality of life.

Further research may be necessary to understand the specific behaviours influenced by self-efficacy in individuals with FNSD. Before this, however, there will be a need to have valid measures for assessing general self-efficacy and evaluating the effect of interventions on self-efficacy for this population.

Social Support

Social support has been widely acknowledged as a critical factor influencing health and well-being. It refers to the availability of people on whom individuals can depend for emotional, informational, and tangible assistance, as well as the perception of being cared for, valued, and belonging to a network of communication and mutual obligations (Cohen & Wills, 1985). Numerous studies have highlighted the positive impact of social support on mental and physical health, particularly in chronic illnesses (Cohen, 2004; Uchino, 2006).

Social support is a multidimensional construct, encompassing perceived emotional (e.g., active listening, effective communication of feelings), informational (e.g., information pertinent to problem-solving), and instrumental (e.g., material assistance, practical help in everyday life) support (Ozbay et al., 2007). Additionally, it involves the perceived possibility of social integration, which refers to having a network of people with whom one can engage in joint activities or shared interests (Holt-Lunstad & Lefler, 2020). Although a distinction is made between received and perceived (available) social support, the subjective interpretation is usually more influential than the objective reality in both cases (Wills & Shinar, 2015). This illustrates how illness-related stigma may intersect with and damage perceived social support.

Social support can facilitate adherence to treatment plans and improve outcomes. Social support was associated with better adherence to psychosocial treatments among individuals with multiple sclerosis (Mohr et al., 2004), a neurological condition that shares some clinical features with FNSD. In patients with epilepsy, social support during a self-management program was most frequently described as reminders to take medication and monitoring for behaviours to reduce seizures (e.g., adequate sleep) (E. R. Walker et al., 2012). In patients with somatoform disorders, patients who perceived high acuity of social support were reported to have less severity of somatic symptoms (Mondal et al., 2020). Moreover, social support can enhance psychological well-being and has been shown to attenuate the adverse effects of stress on mental health, thus promoting resilience in the face of chronic illness (Cohen & Wills, 1985; Thoits, 2011).

Although social support counteracts stress, depression and physical illness, a certain degree of self-efficacy is necessary to build support structures that benefit health (Bandura et al., 1999). Empirically, there seems to be an indirect effect of perceived social support on health behaviour, with self-efficacy acting as a mediator (E. S. Anderson et al., 2007; Luszczynska et al., 2007). In line with the considerations of Bandura et al. (1999), social support can thus promote adaptive coping strategies, facilitate the development of health-related self-efficacy, and predict better health outcomes (Bandura, 2004; Schwarzer & Luszczynska, 2003). Research has shown that individuals with higher levels of social support are more likely to engage in problem-focused coping and less likely to rely on maladaptive coping strategies, such as avoidance or denial (Folkman & Lazarus, 1985).

In a study comparing social support between healthy control subjects and individuals with epilepsy, those with epilepsy reported their subjective and objective social support to be significantly lower. In both groups, family members emerged as the primary source of support (Tong et al., 2016). Another study demonstrated a significant relationship between self-efficacy and perceived social support in self-management in individuals with epilepsy. Perceived support specifically for symptom-related tasks (e.g., taking medication) was beneficial for self-management (Dilorio et al., 1992; Dilorio & Faherty, 1994). People with FS may benefit equally from social support to help cope with the symptoms of their illness and feelings of isolation and low mood (Pretorius, 2016; Pretorius & Sparrow, 2015; Vaidya-Mathur et al., 2016). Social support has the potential to facilitate treatment adherence, enhance psychological well-being, and promote adaptive coping strategies and self-efficacy in FNSD. A specific instrument that maps the unique support needs of those affected would be necessary to make more precise statements and observations about the role of social support in health and treatment outcomes in FNSD.

Self-awareness

Self-awareness has variable interpretations and can be understood as, but not limited to, body perception, self-perception, interoceptive perception, or mindfulness. The definitions and inferences can vary depending on the discipline; therefore, the aspects relevant to the present study are here specified and discussed.

Self-report studies in individuals with FNSD suggest that this population has an impaired ability to detect and identify their own emotions (identification impairments) (I. A. Williams, Levita, et al., 2018). This deficit is especially problematic for FNSD patients, for whom the inability to regulate emotions might be more consequential due to the greater prevalence of stressful life events reported relative to healthy controls. Assessing sensitivity to physiological signals arising from the body or changes to body state associated with emotional experience is known as interoception. It is a way of examining a patient's ability to identify their own emotions. 'Interoceptive sensitivity' (IS) is the central nervous system's perception of physiological signals arising from the body or periphery, such as heart rate, temperature, or respiration, which occurs with or without conscious awareness (Cameron, 2002; Craig, 2002).

Ricciardi et al. (2016) found that patients with Functional Movement Disorders (FMDs) had lower interoceptive awareness than healthy controls using the heartbeat detection test (HBDT). Several other studies show evidence for impaired IS in FNSD. Williams et al. (2018) found that relative to healthy controls, pwFNSD performed more poorly on the HBDT both at baseline and following stress induction, suggesting a lack of sensitivity to their heartbeat. Another study, which examined neuroendocrine responses to social stress, indicated discordance between subjective and neuroendocrine stress responses in patients with FMDs; this dissociation reflected a deficit in interoception capacity (Apazoglou et al., 2017). Poorer performance on measures of interoceptive sensitivity has also been described in individuals with other functional disorders (Bogaerts et al., 2010; Pollatos et al., 2011), and training in IS is associated with a reduction in functional symptoms in these patients (Schaefer et al., 2014). Alexithymia is characterised by difficulties in identifying, describing, and processing emotions and is also prevalent in patients with FNSD (Demartini, Batla, et al., 2014).

Mindfulness refers to conscious attention in the present moment without judgment (Kabat-Zinn, 2003). It can also be conceptualised in various ways, for example, as an intervention, state, property, or mediation technique (Vago & Silbersweig, 2012). In FNSD and psychotherapeutic approaches, the concept involves an accepting attitude towards one's thoughts and feelings that can help regulate one's attention better (Bishop et al., 2006). Esch (2014) summarised that mindfulness affects attention, self-regulation, and interoception. Interoception can be understood as one of many mechanisms of action of mindfulness, which can be a helpful modulator of stress. The numerous regulatory processes within mindfulness can promote the experience of control, one's understanding of the body, self-management and self-efficacy of an individual (Schulz & Vögele, 2015).

Self-awareness has been linked to improved adherence to treatment plans and better self-management of symptoms in individuals with epilepsy. The effect of a resource-oriented and mindfulness-based intervention in patients with seizure disorders led to an increase in quality of life. This intervention was intended to support the development of self-efficacy and mastery by strengthening existing competencies and support systems rather than focusing on deficits (resource orientation) and by emphasising the practice of acceptance of uncomfortable states (mindfulness) (Michaelis et al., 2018).

Such an approach can be helpful in the context of being able to detect the warning signs of the onset of symptoms (Kotwas et al., 2016). For example, despite the spontaneous occurrence of seizures, a review found that 17% to 41% of people with epilepsy could predict typical triggers beyond chance (Mackay et al., 2017). In a case series on the effects of a mindfulness-based intervention on women with FS, the patients learned to regulate their emotions and behaviour, and a decrease in their seizures was noted at the end of the intervention (Baslet et al., 2015). The authors noted that mindfulness-based therapy may be particularly important because of the lack of emotion regulation in people with FS. In FNSD, higher levels of emotional awareness have been associated with better functional outcomes and reduced symptom severity (Perez & LaFrance Jr., 2016). Mindful behaviour and self-awareness can help in the present moment to accept and gain control of event-related stimuli (e.g., body sensations, thoughts), which in turn can affect an individual's self-efficacy in the long term (Lundgren et al., 2008).

The above concepts of self-awareness play a critical role in the health management of FNSDs, enabling patients to identify their symptoms, recognise triggers, and engage in effective self-management strategies (Ludwig et al., 2018; Pick et al., 2019). Several objective and self-report measures to assess self-perception or interoceptive sensitivity exist and are commonly utilised in FNSD research, such as the heartbeat detection test (W. E. Whitehead et al., 1977) and the Toronto alexithymia scale (Leising et al., 2009). Assessing these concepts has helped clinicians better understand the complex emotional and bodily experiences that contribute to the presentation and course of the disorder.

Stigma

Stigma is a complex and multifaceted concept that refers to the labelling, stereotyping, and discrimination experienced by individuals with a discredited attribute, such as a medical condition or disability (Link & Phelan, 2001).

Stigmatisation has been described in several steps. The first step involves the identification of salient differences and associating them with negative attributes, thus creating a stereotype. Individuals affected by these differences are distinguished from others and labelled based on the separating characteristic. For instance, people may be referred to as 'epileptic' rather than having 'epilepsy' (Estroff et al., 2004; Link & Phelan, 2001). Eventually, this process can lead to discrimination (Byrne, 2000).

Several consequences of stigmatisation are evident. One such effect is increased psychological and physical distress (Major & O'Brien, 2005). Stigma has also been negatively related to self-efficacy and social support (R. Smith et al., 2008); and positively related to dysfunctional coping strategies (Kleim et al., 2008).

Stigma against patients with FNSDs present obstacles to diagnosis, treatment, and research. Current understanding of stigma in FNSD comes from surveys, interviews, or focus groups, documenting the frustration experienced by providers and distressing healthcare interactions experienced by patients.

FNSD stigma may arise from misconceptions surrounding the aetiology and legitimacy of the condition. For example, the lack of biomarkers and the potential for symptoms to be misunderstood, invalidated, or dismissed can leave patients, families, and healthcare professionals at a loss. Lack of access to effective specialised therapy services; lack of accuracy and confidence in diagnostic ability in other healthcare services; and isolation of clinicians due to the lack of formal training, dedicated care teams and support networks also contribute to stigmatisation. Stigma exacerbates suffering and the unmet needs of patients and families and can result in poor clinical management and prolonged, repetitive use of healthcare resources. This can lead to negative attitudes from healthcare providers, family members, and the broader community (Macduffie et al., 2020). Several studies have shown that pwFNSD experienced a significantly higher perceived stigma than those with other neurological disorders, such as epilepsy (Karakis et al., 2020; Rawlings et al., 2017). This increased stigma has been associated with poorer mental health outcomes, reduced QOL, anxiety, concentration problems, control over events (Rawlings et al., 2017), feelings of shame, embarrassment, isolation and ultimately, a negative impact on health management, patient well-being (Gelauff et al., 2014) and quality of life (Karakis et al., 2020; Robson et al., 2018). High stigma levels have also been reported in caregivers of pwFNSD (Kaggwa et al., 2023; Karakis et al., 2020). Stigma is a barrier to accessing appropriate care for FNSDs, where patients often experience delays in receiving a correct diagnosis and face difficulties in accessing specialised care and feel stigmatised by healthcare professionals (Gelauff et al., 2014; Stone et al., 2002; K. Whitehead et al., 2013).

Efforts to reduce the stigma surrounding FNSD have been underway and have gathered increasing interest in the clinical and research landscapes (Macduffie et al., 2020; Perez et al., 2021; Rommelfanger et al., 2017). Clinically, this is necessary to enhance health management and patient outcomes. Educational interventions, conferences and research targeting healthcare providers, patients, caregivers and the general public help to dispel misconceptions and promote understanding of these complex conditions (Shahwan et al., 2022; Stuart, 2016). In addition, fostering supportive environments, such as patient support groups and charities such as FND Hope/FND Action, provide a platform for individuals with FNSD to share experiences, exchange information, and develop coping strategies to counteract stigma. The growing body of research encapsulating the issues of stigma from patient, researcher and clinical perspectives is being utilised to develop 'roadmaps and best practices to disentangle and reduce stigma from FNSD in the future (Macduffie et al., 2020; Rommelfanger et al., 2017). For example, the issue of stigma has primarily been discussed in relation to the ambiguous medical classifications and terminologies of functional diseases (Looper & Kirmayer, 2004; Rawlings et al., 2017), and changes to diagnostic and terminology guidance have enabled positive progress.

Stigma among FNSD is a pertinent issue and has a negative impact on the various aspects of the diagnosis, care and prognosis. In addition to educating and reducing stigma about these disorders in society, helping FNSD patients cope with the problem may involve understanding the impact, response, and coping strategies of those affected and aiming to strengthen their resources ((Michaelis, Tang, et al., 2017; Shih, 2004). The "Illness Perception Questionnaire-Revised" (IPQ-R; (Moss-Morris et al., 2010)) is a commonly used measure in patients with FNSD and other health conditions. The ‘Perceived Consequences’ subscale of the IPQ-R includes items that may measure perceived stigma (e.g. “My illness strongly affects how others see me”), which can be particularly relevant for FNSD patients. However, no specific measure targeted at stigma in FNSD has been developed.

A tool tailored to the symptoms and experience of FNSDs could help identify the presence and extent of stigma experienced by these individuals and enable the incorporation of tailored interventions. This would help to mitigate the adverse effects of stigma while considering the unique characteristics of this complex patient group. Additionally, such a tool could be valuable in evaluating the effectiveness of therapeutic approaches aimed at strengthening patients' resources when dealing with stigma.

### 3.1.4 Factor Analysis and Rasch Modelling

Factor analysis is a statistical method used to identify the underlying structure of a set of variables, making it a valuable tool in developing and validating questionnaires and potential sub-scales. Factor analysis was used in the present study to construct subscales with better internal consistency and construct validity by identifying clusters of items that measure the same construct. Statistical and theoretical criteria will be used to determine the number of factors to extract and the interpretation of the results. Several studies have utilised factor analysis to construct subscales and improve questionnaire validity with similar constructs to the EASE-F. Curtiss & Klemanski (2014) used factor analysis to develop subscales for a mindfulness questionnaire, while Smit (1998) used factor analysis to evaluate the factor structure of a self-efficacy scale. While factor analysis has been widely used to assess the latent structure of a scale focusing on relationships between items and factors, it does not provide a sufficiently robust or detailed analysis to capture item-level diagnostics, such as item fit, difficulty, or discrimination, or to assess how effectively items measure the intended construct on a unidimensional continuum. Rasch analysis is a technique that can offer a complementary perspective on the psychometric properties of measurement instruments that are not met by factor analysis alone.

As one of the most powerful tools for evaluating rating scale instruments, Rasch analysis has been used extensively to analyse ordinal data as linear, using logarithmic transformation procedures (Andrich, 1988). Rasch analysis provides critical guidance when developing measures when preparing data for statistical analyses and evaluating instruments developed using other methods (Boone et al., 2014). The techniques were developed by Georg Rasch (G. Rasch, 1960) and expanded by Benjamin Wright (B. Wright & Stone, 1979). Wright & Masters (1982) provided mathematical details of the model. Although Rasch analysis is mathematically complex, it has been made accessible to scholars across academic disciplines (Boone & Staver, 2020). A Rasch-based analytical approach generates reliability and validity estimates of persons and items independent of the sample distribution. These estimates can be used for in-depth monitoring of test functioning, for example, in identifying items that do not contribute to a valid measure of the underlying construct and potential response biases related to respondent characteristics, such as age or gender.

The present study utilised Factor and Rasch analysis to improve the self-report EASE-F questionnaire by taking advantage of its various techniques for evaluating instrument functioning. No study has used a Rasch analysis approach to assess a self-report measure developed specifically for persons with FNSD.

### 3.1.5 Research Study

#### 3.5.1.1 Research Objective

The EASE questionnaire items were initially intended to capture the constructs of self-efficacy, assertiveness, social support, self-perception and stigma in patients with seizure disorders. They were developed from key themes from qualitative and semantic data (Michaelis et al., 2019). The current study intended to evaluate and refine the EASE-F questionnaire, an English version of the EASE, adapted for use in patients with FNSD.

The primary aim was to evaluate the factor structure, assess the EASE-F's reliability, validity and acceptability, and identify areas for refinement.

Specifically, the objectives of this study were to:

1. Perform EFA to determine the factor structure of the EASE-F.
2. Determine the model that best fits the data using confirmatory factor analysis.
3. Determine whether the items of the EASE-F can be assigned to the a-priori assumed constructs of self-efficacy, social support, self-perception and stigma in the EASE.
4. Explore any relationships between EASE-F factors and measures assessing mental co-morbidities, impairment and HrQOL.
5. Determine whether the EASE-F can be used as a clinically useful self-report measure in pwFNSD.

A secondary objective was to apply the Rasch model to the identified factors to explore the subscale's psychometric properties and refine the measure. Specifically, the questions to be addressed by the Rasch analysis were:

1. Do the identified EASE-F factors fit the Rasch model?
2. Do the EASE-F factors and items appropriately fit into the distinct domains?
3. Is there adequate reliability and validity for each of these factors?
4. Are the response scales appropriate and well-targeted?
5. Another aim was to recommend a scoring system with clearly defined subscales and provide recommendations to refine the measure for further research and clinical use.

## 3.2 Methods

### 3.2.1 Design and Participants

This study used data from patients with FNSD (PwFNSD) referred to a Neurology psychotherapy service at the Royal Hallamshire Hospital, Sheffield, to refine and validate the novel EASE-F questionnaire. All patients entering the service between January 2020 and December 2021 were included in the study.

Consultant Neurologists and trainees working in the STH Neurology Department refer eligible and willing patients with an FNSD diagnosis to the service. The FNSD diagnosis is given by a neurology clinician based on clinical data (focusing on positive signs as defined in the DSM-5 criteria for FNSD).

The exclusion criteria for referral are:

1. Serious and ongoing psychiatric issues that require attention from a psychiatrist.
2. Currently suicidal patients (ongoing attempts/plans, persistent urges or patients who have attempted suicide within the preceding year).
3. Current recipient of psychotherapy elsewhere.
4. Recipient of two previous courses of treatment from the service.
5. Alcohol- or opiate-dependency.

The National Health Service (NHS) provides the Specialist Psychotherapy service. It is organisationally sited within the STH Neurology department, which provides neurology services to the district general hospitals in the immediate surrounding areas within South Yorkshire, providing care to an adult population of approximately 1.39 million people.

### 3.2.2 Data Governance and Ethical Approval

Data for this study were collected in the context of a service evaluation approved by the Clinical effectiveness unit of Sheffield Teaching Hospitals NHS Foundation Trust (Reference number: 9886). This ensured that anonymised, routinely collected data from consecutive patients opting into treatment from the psychotherapy services could be used for this analysis without patients' explicit consent.

### 3.2.3 Data Collection – Measures

The questionnaire packs accessed to obtain the routinely collected data for this analysis are used to express interest in receiving therapy following referral to the psychotherapy service. Therefore these are a precondition to receiving an initial appointment for an assessment, formulation, treatment planning or signposting. These opt-in questionnaire packs are sent to patients by post and returned in pre-paid envelopes. Patients are sent the questionnaires up to 21 days after referral. Upon return of completed questionnaires, the patients are assessed and placed on a waiting list to begin psychotherapy. All patients referred to the service are required to complete questionnaires. Patients who cannot complete the forms independently due to, for example, English language limitations or intellectual impairment are offered a session with a therapist and, if necessary, an interpreter to complete these before assessment.

The questionnaire battery provides demographic data and a patient-reported account of functional symptoms at baseline.

Demographic / FND characterisation questionnaire

The ongoing service evaluation, in which this present study was embedded and obtained data, is a requirement of the healthcare purchasers who ultimately fund the service. The EASE was included in a questionnaire pack designed to characterise the patient's demography, functioning and comorbidity profile before and after psychotherapy.

Anxiety: Generalised Anxiety Disorder (GAD-7)

The GAD-7 is a 7-item self-report questionnaire designed to assess symptoms of anxiety experienced over the past two weeks (Spitzer et al., 2006) that has been widely used in psychiatric populations and patients with functional somatic symptoms (Vijay et al., 2014). It has high internal consistency (a=0.89) (Kroenke et al., 2010a) and has shown good convergent validity and sensitivity (Beard & Björgvinsson, 2014). Similar findings were found in adults with functional seizures, with high internal consistency (a=0.92) and a fair diagnostic accuracy (AUC – 0.72). A cut-off of > 12 was found to have the best balance of sensitivity and specificity of likely clinical anxiety disorder in FNSD (Goldstein et al., 2023).

Depression: Patient Health Questionnaire-9 (PHQ-9)

A self-report questionnaire measuring symptoms of depression over the past two weeks that map to the DSM-IV criteria (Kroenke et al., 2001a). The PHQ-9 is also a widely used clinical measure and has been administered to patients with NEAD (S. Chen et al., 2010). In a sample of patients with functional seizures, the PHQ-9 showed high internal consistency (α = 0.87). A cut-off of ≥10 had the best predictive performance, while a cut-off of ≥13 yielded the best sensitivity and specificity balance in the patient group (Baldellou Lopez et al., 2021).

Somatic Symptoms: Patient Health Questionnaire-15 (PHQ-15)

The PHQ-15 is a 15-item self-report questionnaire assessing the frequency and severity of somatic symptoms experienced over the past four weeks (Hinz et al., 2017; Kroenke et al., 2002). It has demonstrated a high internal consistency (a=0.8)(Kroenke et al., 2002) and has been utilised in studies with patients with Nonepileptic Attack Disorder and patients with other FNSD to characterise patients' somatic symptom burden (Goldstein et al., 2020b; Novakova et al., 2015; Reuber, Burness, et al., 2007).

PTSD Symptoms: Post-Traumatic Stress Disorder Checklist for DSM-5 (PCL-5)

The PCL-5 is a 20-item self-report Likert scale measure that assesses each of the 20 symptoms of PTSD described in the DSM-5 diagnostic criteria. Blevins et al. (2015) showed PCL-5 scores displayed strong internal consistency (α = .94), test‐retest reliability (r = .82), and convergent (rs = .74 to .85) and discriminant (rs = .31 to .60) validity. The measure has previously been used in FND patient populations (Gray et al., 2020; Jalilianhasanpour et al., 2018).

The Work and Social Adjustment Scale (WSAS)

The WSAS is a generic 5-item self-report measure of social functioning that assesses the extent of impairment attributed to an identified condition. The internal consistency was shown to be high when measured at multiple time points in depression and OCD populations (a <0.79) (Mundt et al., 2002). It is reliable and valid in other "medically unexplained symptoms" and psychiatric patient populations (M. Cella et al., 2011; Goldstein et al., 2020b).

EuroQol 5-Dimension- 3 level (EQ-5D-3L)

A widely used generic self-report quality of life instrument exploring five dimensions of health in five items. A large body of literature demonstrates the EQ-5D-3L's good validity and reliability in many patient groups, cultures, and across health statuses (EuroQol, 1990; van Reenen M & Janssen, 2015; Whynes, 2008). In somatoform disorders, the EQ-5D showed a discriminative ability to detect significant differences between patients with somatoform disorders and the general population and detect different severity states of somatoform disorders.

The Unmitigated Communion Scale (UCS)

The Unmitigated Communion Scale (UCS) compiled by Helgeson and Fritz (1998) was used to assess unmitigated communion. It consists of 9 questions, including "I always put others' needs above mine". The questions were scored on a 5-point scale from 1, "Strongly disagree" to 5 ", strongly agree"—the higher the score, the higher the level of unmitigated communion among individuals.

The self-Efficacy, Assertiveness, Social support, self-awareness, and hElpful questionnaire (EASE)

The EASE is a novel patient-reported outcome measure designed to detect a psychotherapy-related change in patients with seizure disorders in German. The 40-item measure was developed to explore self-awareness, social support, assertiveness, general and event-related self-efficacy (including open communication about seizures, coping with epilepsy-related limitations and uncomfortable postictal states, dealing with personal seizure triggers, seizure interruption strategies), and helpful thinking (Michaelis et al., 2019).

A proficient bilingual German and English-speaking specialist clinician translated the EASE. The translation to English was completed to guarantee that the final version of the EASE encompassed concepts that were not exclusively linked to the German language but had broader relevance, to solicit input from international experts from various schools of psychotherapy schools; and to present the questionnaire to the global research community through an English publication. The German and English versions were compared in a table format. If the verbatim back translation of an English item varied from the original German item but seemed more convincing, the initial German item was modified through consensus. The English version of the tool was reviewed by a British psychotherapy team with substantial expertise in treating patients with epilepsy and functional disorders (Academic Neurology Unit, University of Sheffield, Royal Hallamshire Hospital, Sheffield, UK). Their input was gathered in person through open conversation, and several other international specialists were invited to comment on the English version. The EASE authors subsequently adjusted the instrument based on a consensus of the qualitative feedback. This study is the first to examine the English language version of the EASE.

Suitable modifications to the final English version of the instrument were made for relevant use in FND patients. The modifications were discussed between the German authors of the EASE, a German and English-speaking Neurology consultant, and the Sheffield psychotherapy team. This clinical team has extensive experience working with patients with seizure disorders. Refinements of the instrument were made by consensus and involved changes such as replacing the term 'seizures' with 'illness' wherever relevant. See Appendix B.1-2 for the original and modified versions of the EASE.

Thirty-six of the forty items are rated on a five-point Likert scale, with 5 = "I strongly agree", 4= "I slightly agree",, 3= "I neither agree nor disagree", 2= "I slightly disagree", and 1 = "I strongly disagree". Five items have one follow-up question, two items have two follow-up questions, and one item has three follow-up questions.

In the interim, while the EASE questionnaire awaits validation and a statistically confirmed factorial structure to load items unto specific subscales appropriately, a total score for the questionnaire and a symptom-related self-efficacy score have been used. A "change through symptoms" score has also been calculated. In the latter case, the interpretation of a higher score depends on answers from select items. Further details for scoring the EASE can be found in Appendix B.3.

Higher scores on EASE items equate to a higher expression of the resource/ability described in the item; in other words, the higher the overall EASE, the greater respondent's well-being and ability to cope with their illness. For consistency in this interpretation, items 8, 11, 12, 14, 15, 17, 23, 26 and 34 of the EASE questionnaire were reversed scored.

### 3.2.4 Analyses

Data were analysed using descriptive and inferential statistics. R version 3.6 (RStudio Team, 2019) was used to analyse missing data and to perform factor analyses. For Rasch analysis of the model, Winsteps software program versions 5.2 – 5.4 were used (J. M. Linacre, 2022). All other analyses used SPSS, V26-27 (*IBM SPSS Statistics for Windows,* 2020).

#### 3.2.4.1 Descriptive analysis

In addition to descriptive statistics to define the sample (demographic, clinical and questionnaire data), the following psychometric attributes of the EASE-F questionnaire were assessed:

* + 1. Acceptability: was assessed using: (1) missing data analyses; A 95% value of computable data was considered acceptable.
    2. Item response distributions were assessed using Schapiro-Wilk tests and item-by-item analysis.

#### 3.2.4.2 Data preparation

Because of the inconsistent format with the rest of the measure, the open-text questions of the EASE-F, items 37-40, were excluded from the factor analyses.

To examine the factor structure of the EASE-F questionnaire, a split-half cross-validation method was used in the imputed datasets, in which the questionnaire responses were randomly divided into two groups. One of these groups was used to explore the factor structure through EFA, and the other group tested the goodness of fit of the extracted factor structure through a CFA (Lorenzo-Seva, 2021).

#### 3.2.4.3 Missing data

In cases where complete questionnaire battery data were missing, listwise deletion was used. Missing data were managed consistently across the different questionnaires using multiple imputations. However, this was conducted adhering to the recommendations for each questionnaire, where available, indicating the case or questionnaire validity based on a maximum allowable missing data cut-off. That is, the imputation of missing items or calculation of total scores was permissible based on a maximum percentage or number of missing items as recommended by the developers or related literature.

Missing data in the questionnaire battery, including the EASE-F, were dealt with using multiple imputation chain equations (Rubin, 2009). Following Rubin's multiple imputations, the data were imputed using a conditional model described by van Buuren (2007).

Statistical computation:

The package 'mice' in R by Van Buuren & Groothuis-Oudshoorn (2011) imputed the missing data. The package uses a chained equation approach to the imputation. The approach allows the specification of the distribution of each variable with missing values conditioned on other variables in the data, and the imputation algorithm sequentially iterates through the variables to impute the missing values using the specified models. The procedure for the current study was performed using a random forest model as this was appropriate for the ordinal categories in the responses of the included questionnaires. The variables included in the imputation models included the GAD7, PHQ-9, PHQ15, PCL-5, EASE-F and the UCS. Five imputed data sets were obtained, and each iteration's total scores were calculated separately. The results were pooled together using an average of all iterations.

#### 3.2.4.4 Data suitability

The best practices described by Costello & Osborne (2005) were followed in conducting the factor analyses. The suitability of the data for Factor Analyses and Rasch Modelling was examined based on the Kaiser-Meyer-Olkin (KMO) statistics of sampling adequacy and Bartlett's test of sphericity (Worthington & Whittaker, 2006). Bartlett's test of sphericity tests the null hypothesis that items are uncorrelated. The KMO tests whether the sample size is adequate. A KMO co-efficient of >- 0.70 was desired (Watkins, 2018).

### 3.2.5 Exploratory Factor Analysis (EFA)

EASE-F items with an inconsistent format were removed to develop a model with improved psychometric properties and scale brevity while maintaining enough items to create stable factors (i.e., open-text questions, follow-up 'if yes' questions). All subsequent analyses were conducted on the 5-Likert scale items only.

The underlying factor structure was investigated using principal axis factoring (PAF). The identified factors were expected to be highly correlated interdependent aspects of the positive attributes and coping strategies for FNS, as informed by the qualitative results that informed the questionnaire development. Therefore, PAF with direct oblimin rotation was used. Kaiser criterion (Kaiser, 1960), scree plot analysis (Cattell, 1966) and parallel analysis (Horn, 1965) were used to determine the number of factors to extract, as well as the interpretability and meaningfulness of the solution. Factors with an eigenvalue of >1 were extracted (Kaiser, 1970). Items with cross-loading values of ≤0.4 on at least two factors were considered weak (and thereby as candidates for deletion), and items with a factor loading of ≥0.60 as strong (Costello & Osborne, 2005).

### 3.2.6 Confirmatory Factor Analysis

The goodness of fit of the factor structure extracted from the EFA model was examined by CFA. The goodness of fit was evaluated using several indices: Pearson's χ2 test, comparative fit index (CFI; >0.90 as acceptable), Tucker-Lewis's index (TLI; >0.95 as acceptable), the root mean square error of approximation (RMSEA; <0.06 as acceptable) and standardised root mean square residual (SRMR; <0.07 as acceptable). These indices reflect model fit (Pearson's χ2test), incremental fit (CFI, TLI) and absolute fit (RMSEA, SRMR). The cut-off values used were recommended by Hu & Bentler (2009) and endorsed by Brown (2015) and Cabrera-Nguyen (2010). Modification indices were subsequently obtained from the CFA to direct adjustments to the model to achieve a better model fit before proceeding to Rasch modelling.

### 3.2.7 Rasch Analysis

Rasch analysis is a method of evaluation of a patient-reported outcome measure (PROM) against the Rasch measurement model. This item response theory utilises psychometric probability-based analysis to predict whether PROM responses fit the pattern of the Rasch model (T. Bond & Fox, 2015). The model specifies that an individual's response to an item is determined by the individual and the location of the item on a shared scale measuring the underlying trait. The probability that a person will endorse an item is a logistic function of the difference between an individual's trait level (expressed as a person's ability or endorsement/extent of agreement) and the amount of trait expressed by the item (expressed as an item difficulty) (T. G. Bond et al., 2020; Hobart & Cano, 2009).

If the model requirement is met, it identifies the measurement and structural properties of the instrument, including the relative difficulty of each item on the scale and maps these item difficulties against person endorsement levels on a Wright Map. In this way, it is possible to ascertain whether the difficulty level of items is appropriate for assessing individuals with a particular level of the underlying construct (T. Bond & Fox, 2015).

These properties allow Rasch-developed measures to be used with individual patients and for group-level comparisons, enable direct comparisons of scores across domains, and facilitate the construction of alternative test formats (i.e., short forms and adaptive computer tests) (Tennant et al., 2004). Rasch modelling is widely used to assess the psychometric properties of scales, test items and questionnaires in health and education (Bessing et al., 2022; T. Bond & Fox, 2015; Morris et al., 2017).

Dichotomous (G. (Georg) Rasch, 1993) and polytomous (Andrich, 1978) versions of the model are available, and a variant of the latter is named the partial credit model (Masters, 1982). In this study, Rasch analyses were carried out using Winsteps software (version 5.2.3)(J. M. Linacre, 2022) and the partial credit model for polytomous items (J. M. Linacre, 2022). We selected the partial credit model because the question wording and rating scale categories varied across items.

#### 3.2.7.1 Rasch Analysis plan

Part one of the Rasch analyses involved refining the EASE-F subscales (i.e., item reduction, response category scale testing), and part 2 involved assessing its psychometric and scaling properties. The analytic plan utilised is commonly used by researchers, although the approach to addressing specific research goals (e.g., evaluating category probability curves) differs in the literature. The current analyses were guided by previous studies to provide an informative and expanded assessment of EASE-F. The following Rasch model metrics were investigated in each EASE-F sub-scale: dimensionality, item fit, local independence, category functioning and threshold, construct validity and differential item functioning/item variance. See Table 2 below for an overview of the analytical plan, definitions, and descriptions of analyses in the Winsteps software.

Rating Scale/ Category Functioning

Rating scale (or response category) functioning for individual items in each subscale were assessed against the following guidelines set out by (J. M. Linacre, 2002) that indicate a well-functioning rating scale: (1) A minimum of 10 responses for each category; less than ten responses indicate underuse of the category and an unstable and non-replicable instrument (J. M. Linacre, 2002); (2) Average measures are not disordered but monotonically increase in average category measures with increasing categories; (3) Observations fit with their categories that is, mean square (MNSQ) values fall between 0.6-1.4; (4) Category thresholds are at between 1.4 to 5 logits apart; (5) There are distinct peaks for every category probability curve, i.e. a smooth distribution of category frequencies - the frequency distribution is not jagged. If item scales did not satisfy these criteria, combining adjacent categories or removing the item was considered. Additionally, category probability curves provided a graphical illustration of the functionality of rating scales.

Fit statistics

The global fit was assessed using chi-Square values, which reflect the trait's invariance. A significant chi-square indicates that the hierarchical ordering of the items varies across the trait, compromising the required invariance property.

Rasch fit statistics Infit Mean-Square (MNSQ) and Outfit MNSQ) Were used to explore item and person fit. The Infit statistic is a data inlier-sensitive statistic, while the outfit statistic is a data outlier-sensitive statistic. According to the Winsteps manual (J. M. Linacre, 2022), MNSQ values between 0.5 and 1.5 are "Productive of measurement". However, it is important to note that Rasch researchers have used several different MNSQ ranges; Wright & Linacre (1994) suggested reasonable item mean square ranges by type of test. For rating scales/surveys, these were 0.6 to 1.4. High-stakes tests may require more stringent criteria of 0.8 to 1.2 as cut-offs. Smith et al. (1998) also suggested that MNSQ cut-offs should be adjusted by sample size, so a single critical value is inappropriate. Based on this, Wright & Linacre (1994) suggest that an MNSQ cut-off of 0.9 to 1.1 is appropriate for a sample size of about 400. Standardised fit measures are item-person interaction statistics transformed into an approximate z-score representing a standardised normal distribution. Therefore, a perfect fit to the model would have a mean of approximately zero and a standard deviation of 1, +-2 is the recommended cut-off (T. G. Bond & Fox, 2007).

Misfitting response patterns, which can result from respondents guessing or exhibiting unusual behaviour, have been shown to cause biased item estimates that negatively affect model fit (Mousavi & Cui, 2020; Tennant et al., 2007). Therefore, following the typical approach in Rasch analysis, person fit was evaluated, and misfitting persons whose responses did not fit the expected pattern (i.e., those with outfit MNSQ values greater than 2.0 logits) were removed iteratively before re-assessing model fit. This was continued until stable results were achieved (T. G. Bond et al., 2020; Mousavi & Cui, 2020).

Dimensionality

Uni-dimensionality, the assumption that the scale measures only one construct is a requirement in Rasch analysis (B. D. Wright & Mesa, 1979); evidence of uni-dimensionality supports using a set of items to determine where a respondent falls in a latent trait. Uni-dimensionality was evaluated using Principal Component Analysis of Residuals (PCAR). PCAR investigates whether the level of noise seen in a dataset is above what would be expected by random noise. The presence of confounding variables would be indicated if the noise level exceeded the predicted random noise. The scale was considered uni-dimensional when the Rasch model accounted for >40% of the variance (J. Linacre, 2019) and if the value of the unexplained variance in the first contrast was below 2.0 eigenvalue units (T. Bond & Fox, 2015).

Local independence

The Rasch model also requires that items in a scale are locally independent of one another, i.e., a correct or incorrect response to one item should not result in a correct or incorrect response to another item. Sharing an association with other items can lead to a local item dependence (LID), and the literature suggests that LID impacts the test's uni-dimensionality and leads to biased parameter estimates.

To verify the local independence of items, items should only be correlated through the latent trait the test measures (Baghaei, 2008). To ensure this, there should not be any correlation between items after the effect of the underlying trait is conditioned out, which means that correlations between residual items must be zero. Items with a residual correlation of 0.4 were considered to have a strong association (Fan & Bond, 2019).

Internal Consistency and Reliability

To calculate the internal consistency/reliability of a scale, person and item reliability and separation indices were computed. These are based on the estimates on the logit scale for each item and person. Reliability determines reproducibility, while separation indices examine the number of distinct ability levels a scale can distinguish. For each scale, Cronbach's alpha was computed to measure internal consistency reliability (Streiner et al., 2015).

Targeting, Floor, and Ceiling Effects

Targeting examines the correspondence between the average item and average person measures in a dataset; a difference of fewer than 1.00 logits indicates successful targeting (Finger et al., 2012). Internal/content validity was assessed by examining floor and ceiling effects. Five per cent was accepted as the maximum value for the floor and ceiling effect as a scale is considered 'poor' when floor and ceiling effects are greater than 5% and 'excellent' when the effects are less than 0.5% (Fisher, 2007).

Construct Validity/Scale Functioning

Well-targeted scales have items evenly spaced across a continuum and correspond to the sample's experience of the construct (T. G. Bond et al., 2020). This was measured by scrutinising the item ordering and spacing on the scale Wright map. A match between item ordering/spacing and predictions from theory provides evidence of instrument construct validity(Boone et al., 2014). The mean person-item endorsement/difficulty is presented as logit units on a Wright map. Items below zero are the easiest to agree with or endorse, and persons closest to these items are those with less ability. While items above zero are the most difficult to agree with or endorse, the people closest to these items are those with greater ability. The order of questions, item distributions, e.g., overlapping items or large spaces, and patient and item positions on the logit scale were examined.

Differential Item Functioning

Differential Item Functioning measures if there are item difficulty biases between demographic and/or clinical variables. DIF was assessed for gender. The Mantel-Haenszel approach was used, and a contrast DIF of >0.64 logits with a p-value of (two-tailed) <.05 is considered statistically significant (T. Bond & Fox, 2015).

Table 2. Overview of the analytic process using a Rasch model approach, with measurement properties and assessment criteria.

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | Psychometric property | Definition | Statistical Test in Winsteps and acceptable values |
| 1 | Category functioning | Evaluate whether the threshold values (i.e., the spaces between each EASE construct category or choice) were ordered or disordered. This supports the reliability of the EASE subscales. | The Rasch-Andrich thresholds for rating scales were used based on the following criteria: (1) a minimum of 10 responses for each category (n<10 indicating underuse); (2) a monotonic increase in average category measures with increasing categories; (3) mean square (MNSQ) 0.6-1.4; (4) category thresholds are at least 1.4 to 5 logits apart; and (6) there are distinct peaks for every category probability curve |
| 2 | Fit statistics | A test to determine how well the data fit the Rasch model for items, persons, and overall summary fit. | The item and person fit statistics are based on MNSQ and z-standardised scores. Infit and outfit MNSQ between 0.6 and 1.4 are acceptable for rating scales (surveys). |
| 3 | Uni-dimensionality | The ability of each of the EASE sub-scales to measure a separate single construct. | Principal component analysis of the residuals with Rasch explained dimension >40% and the highest eigenvalue of first residual contrast <2.0 supports one-dimensionality. |
| 4 | Local Independence | Evaluates whether items are related to/dependent on each other. That is, whether there is any correlation between two items after the effect of the underlying trait is removed. | Correlated item residuals indicate items are locally dependent or there is a subsidiary dimension in the measurement which is not accounted for by the main Rasch dimension. |
| 5 | Internal consistency and reliability | The extent to which the items in each EASE sub-scale measure the same concept. | A person or item reliability of >0.7 and a person or item separation index of >1.5 supports good internal consistency and reliability. A Cronbach alpha test reliability >0.7 supports good internal consistency and reliability. |
| 6 | Construct Validity/Targeting | A measure of the endorsement ability of the cohort to agree with each of the EASE subscale items correctly against the difficulty level of each of the EASE subscale items arrayed along the same continuum. | Assessed with Wright mapping. A well-targeted scale should have participants and items spread across the map. Items located below zero are the easiest, and those closest to these items are those with less ability. The items above zero are the most difficult, and the people closest to these items are those with greater ability. |
| 7 | Differential Item Functioning (DIF) | DIF measures if items function similarly across demographic and/or clinical variables. | DIF was assessed for gender, and a contrast DIF of >0.64 logits with a p-value of (two-tailed) <.05 is considered statistically significant. |

### 3.2.8 Convergent validity

Previously validated measures were used to assess the convergent validity of the finalised model of the EASE-F subscales convergent validity (Abma et al., 2016).

Following the recommendations provided by the COnsensus-based Standards for the Selection of health Measurement INstrument (COSMIN) guidelines (Mokkink et al., 2010), hypotheses were developed regarding the convergent validity of these EASE-F subscales after their identification through factor analysis. These were the PHQ-9, PHQ-15, GAD-7, UCS, PCL-5, EQ-5D-3L and the WSAS questionnaires, also included in the routine psychotherapy battery. The convergent validity correlations were calculated after scale identification and refinements from the Factor and Rasch analyses. At this stage, hypotheses were constructed regarding the relative correlation sizes of the different comparator instruments. I.e. the correlation of the EASE-F subscale with one instrument is expected to be higher than its correlation with another, as well as hypotheses of the absolute magnitude of the correlations. These hypotheses were based on the theoretical underpinnings and assumptions inherent in the identified construct of the scales utilising the EASE-F subscale 'total' score and total scores of the comparator measures. The expected direction of the correlation—positive or negative- was noted for each correlation. Furthermore, the comparator instruments were studied to target relevant items for analysis against EASE-F total scores.

Correlations were reported as Spearman's rho, with a significance level 0.05.

## 3.3 Results

### 3.3.1 Baseline Sample Descriptive Statistics

#### 3.3.1.1 Included patients

Data from 469 FNSD patients were extracted. Data from 19 patients (4.1%) were excluded based on missing data on the whole questionnaire battery or the whole EASE-F questionnaire exclusively (person-level missingness). Data from 450 patients were finally included in descriptive analyses.

Missing data from patient demographic information ranged between 0% and 10%, and from the clinical questionnaire battery (excluding the EASE-F questionnaire) between 0.2% and 8.0%. 219 out of the 450 (48.7%) patients had zero missing values on the entire set of variables. Figure 2. shows the overall summary of missing values from the raw data. Data were missing in 109 of 110 (99%) questionnaire variables (excluding demographic data),

As the level of missing data was less than 10% in the questionnaire battery, total scores for all of the included questionnaires were calculated based on complete cases after multiple imputations of missing items.

The complete case analysis yielded no significant differences in questionnaire total scores (p's>0.05) compared to the imputed dataset analysis. A detailed missing data analysis on the EASE-F will be reported later.

Figure 2. Overall Summary of missing values across the questionnaire battery.



#### 3.3.1.2. Patient demographics

At baseline, the mean age of the 450 patients included was 40 (+-14.7). There were 3.5 times more females (75.3%) than males (21.3%).

Table 4 presents scores on measures of psychological distress and somatic symptoms (PHQ-9, GAD-7, PHQ-15, psychosocial functioning (WSAS), unmitigated communion (UCS) and health-related quality of life (EQ-5D-3L)

Table 3. Summary of baseline demographic characteristics of the study sample

|  |  |  |
| --- | --- | --- |
| Characteristic |  | n (%)  (Overall n = 450) |
| Age (years) | Mean (SD)  Median (IQR) [range] | 40.6 (14.7)  40.5 (28,52) [16-88] |
| Gender | Male  Female  Other | 96(21.3)  339 (75.3)  5 (1.1)  n=440 |
| Ethnicity | White  Black  Asian  Mixed  Arab  Other | 374 (83.1)  7 (1.6)  17 (3.8)  9 (2.0)  6 (1.3)  1 (0.2)  n=414 |
| Level of education | No educational qualifications  O-levels, CSE/GCE/GCSEs  A-level or equivalent  Vocational qualification  HNC/HND  Degree  Postgraduate qualification  Professional qualification  Other | 58 (12.9)  114 (25.3)  46 (10.2)  71 (15.8)  7 (1.6)  53 (11.8)  15 (3.3)  24 (5.3)  32 (7.1)  n=420 |
| Employment status | Full-time paid work  Part-time paid work  Full-time education  Part-time education  Full-time carer  On leave/out of work  Retired  Other | 56 (12.4)  40 (8.9)  26 (5.8)  6 (1.3)  20 (4.4)  203 (45.1)  37 (8.2)  55 (12.2)  n=443 |

#### 3.3.1.3 Patient Clinical and Questionnaire Data

Data from referring consultants showed a heterogenous presentation of symptoms. The most common presentation was undefined seizures (11.8%), while mixed symptoms were presented in 3.3% of the population. Table n, Appendix C.1 summarises patient symptom data from referring consultant letters, while Table 4 summarises patient questionnaire data.

Table 4. Descriptive statistics for currently considered measures with imputed missing data

|  |  |
| --- | --- |
| **Measure** (n = 450) | Mean (SD)  [range] |
| **GAD-7 (anxiety)** (min-max 0-21)  Scores ≥5=mild, ≥10=moderate, ≥15=severe | 14.1 (6.1)  [0-21] |
| EQ-5D-3L VAS (Health Today)  0=worst health, 100 = best health | 43.8 (21.2)  [0-100] |
| PHQ-15 (somatic symptoms) (min-max 0-30)  Higher scores reflect more symptoms | 16.8 (6.0)  [0-30] |
| PHQ-9 (depression) (min-max 0-27)  Scores ≥10 typically taken to indicate clinical depression | 17.4 (6.8)  [0-27] |
| PCL-5 (DSM-5 post-traumatic stress symptoms)(min-max 0-80)  A cut-point score of 31-33 and above typically taken to indicate clinical PTSD | 44.6 (21.7)  [0-80] |
| WASAS (Impact of symptoms on functioning) (min-max 0-40)  <10 subclinical, 10-20 significant impairment but less severe symptomatology, >20 moderate, severe or worse psychopathology. | 25.6 (10.1)  [0-40] |
| UCS (Unmitigated communion) (min-max 9-45)  The higher the score, the higher the tendency to focus on others to exclude the self. | 32.7 (6.8)  [13-45] |

*Note: SD = standard deviation; GAD-7 = Generalised Anxiety Disorder Assessment-7; EQ-5D-5L VAS European Quality of Life-5 Dimensions-5 Levels Visual Analogue Scale; PHQ-15 = Patient Health Questionnaire-15; PHQ-9 = Patient Health Questionnaire-9; PCL-5 = DSM-5 PTSD Checklist-5; WASAS = Work and Social Adjustment Scale; UCS = Unmitigated Communion Scale.*

### 3.3.2 Baseline EASE-F descriptive analyses

#### 3.3.2.1 EASE-F Acceptability

Missing data analyses

The EASE-F questionnaire was not attempted/completed by 19/469 (4.1%) respondents. Analysis of these cases showed that 9 of these patients omitted the complete questionnaire battery, and a further four patients omitted a significant proportion of the battery, including the EASE-F. The remaining six patients omitted the EASE-F exclusively within the battery.

In the remaining sample (n=450), missing data was found in 27.51% of cases. Four items were follow-up questions related to the previous questions. Items 12.1, 14.1, 15.1 and 17.1 asked, 'I was like that before my illness' with a three point-Likert scale; 'More than now', 'As much as now' or 'Less than now'. Each of these questions had at least one missing value across the patients' responses, and responses were missing in these items in 24.3% of respondents. 7 items ( 37.1, 37.2, 38.1, 38.2, 39.1, 39.2, and 39.3) were potentially unanswered based on the applicability of the items (that is, follow-up questions to a previous qualifier question or yes/no question), e.g., Item 37:

37. I know at least one trigger for the symptoms of my illness.

- Yes (1)

- No or not applicable, my illness does not vary (0)

37.1 If yes: please describe your trigger/s:

37.2 If yes: I can avoid this trigger/these triggers in my daily life.

- Yes (1)

- No (0)

Of those where the item was applicable (yes response), responses in the first follow-up item were missing in 1.9 – 4.3% of patients, and in the second follow-up item, responses were missing in 5.6 – 24.2% of patients. See Table 5.

Table 5. Missing items analysis of follow-up questions on the EASE-F

|  |  |  |  |
| --- | --- | --- | --- |
| Qualifier item | Qualified | Missing response of 1st follow-up item | Missing response of 2nd follow-up item |
| 37. I know at least one trigger for my illness symptoms | 68.2% | 13/306 (3.9%) | 17/306 (5.6%) |
| 38. I know how to help myself after a flare-up | 41.6% | 8/187 (4.3%) | 28/187 (14.9%) |
| 39. I have a strategy that I use when symptoms get worse | 44.5% | 6/306 (1.9%) | 74/306 (24.2%) |

Thirty-eight items were entered in the current analysis after excluding inconsistent answer formats ("if yes" and dichotomous scales, follow-up and open-ended comment items).

On the assessment of missing data patterns among the relevant EASE-F items, >10% of data were missing in 14 respondents. Responses from 13 of the 14 patients (92.9%) were found to be missing at random, where patterns revealed responders likely either skipped double pages of the questionnaire booklet or the last pages of the battery booklet, leading to 3 of the identified missing data patterns. No other systemic or person/item level attribute could be found to account for these patterns. As such, these cases were still included in the subsequent analysis and for multiple imputations, as the probability of the missing data was independent of the variable's actual value. In one case, no identifiable pattern was found.

As a result, EASE-F data from 450 patients for the current factor analysis were included for the multiple imputation and subsequent analysis in the current study.

#### 3.3.2.2 EASE-F Internal Consistency

Cronbach's alpha for the included EASE-F items was α = 0.902, with the deletion of any item barely modifying this value (0.896-0.905). Item-total correlation mean value was 0.421, ranging from -0.036 (item 28 – 'My illness has changed my perspective on life') to 0.644 (item 5.1 – 'I am able to stand up firmly to others about my needs and wishes').

#### 3.3.2.3 EASE-F Content validity

All of the items of the EASE-F exhibited either floor or ceiling effects, that is, where at least 15% of all participants responded with either minimum or maximum agreement/endorsement (Table n). Out of the 37 items, 28 items (1, 2, 3, 4, 5.1, 6,7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 24, 25, 26, 27, 30, 33, 34, 35) exhibited floor effects, ranging between 16.9-65.6%. While ceiling effects were found in 20 items (Items 4, 5, 5.1, 6, 7, 9, 13, 16, 19, 20, 21, 28, 29, 30, 31, 32, 33, 34, 35, 36), ranging between 15.3-57.3%. More extreme floor effects were found, particularly in the questionnaire items, which were reverse scored (Items 8, 11, 12, 14, 15, 177, 23, 26, 34) with observed effects ranging between 19.6-65.6%. See Appendix C (Table 27) for the floor and ceiling effects of the EASE-F items.

#### 3.3.2.4 EASE-F Item response distributions

None of the EASE-F items were normally distributed; all were statistically significant on the Schapiro-Wilk test (p<0.001).

The skew for individual items of the EASE-F ranged between -1.4 and 1.6. The reversed items were all positively skewed, though to an inconsistent degree.

The difference between the mean and median interim total score was 1.3, the maximum observed value. The skewness of the interim total score distribution was 0.329, and kurtosis was -0.111, indicating a slightly positively skewed with thinner tails and fewer outliers compared to a normal distribution.

### 3.3.3 Data Preparation and Adequacy

#### 3.3.3.1 Data adequacy

Kaiser-Meyer-Olkin (KMO) Test and a significant Bartlett's test of sphericity indicated that the data sample was adequate for factor analysis (Table n).

Table n. Kaiser-Meyer-Olkin (KMO, measure of sampling adequacy) Test and Bartlett's test of sphericity for the study sample.

|  |  |  |
| --- | --- | --- |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy | | 0.87 |
| Bartlett's Test of Sphericity | Chi-squared  Df.  Sig. | 103610  38  <0.001 |

#### 3.3.3.2. Data split for FA

There were 225 patients in both the EFA sample and the CFA sample. There were no significant differences in age, gender or any of the total scores for the clinical questionnaires.

The KMO for the split dataset for exploratory factor analysis was MSA = 0.82, Bartlett's K-squared = 46134, df = 38, and p-value <0.001. The corresponding values for the split dataset for the confirmatory analysis were MSA = 0.85, Bartlett's K-squared = 46134, df = 38, and p < 0.001. Both indicated adequacy for factor analyses.

### 3.3.4 Exploratory Factor Analysis (EFA)

#### 3.3.4.1. Factor Retention

The EFA initially generated a 9- factor model based on extracted factors with an eigenvalue of at least 1 (the K1 rule; (Hayton et al., 2004)). Two further marginal factors could have been considered based on eigenvalues of >0.927. Scrutinisation of the elbow in the scree plot (See Appendix C – EASE Supplementary Data. Figure 13) suggested a three or 4-factor model. Subsequent parallel analysis (Appendix C – EASE Supplementary Data. Table 29) retained the 9-factor model based on adjusted eigenvalues>0 (indicating factors to retain). However, the elbow in the plot after the fourth component and the values produced by the parallel analysis corresponding to random eigenvalues generated from the identity matrix suggested that the 3-9 factor models could be tested (Figure 3).

Figure 3. Parallel analysis scree plot from EASE-F EFA

Chart

Description automatically generated

#### 3.3.4.2. Factor models

All of the tested models had non-loading items that could be considered for exclusion. Regarding items successfully loading onto the identified factors, all the models had minimum loadings of +/- 0.3 on each factor (see Table 6). As expected, in all models, items unsuccessfully loading onto any factors accounted for negligible variance in the sample (<0.2).

While the 9-factor model accounted for more variance in the data (58.3%), the models with fewer factors were favoured for easier interpretability and alignment with prior theoretical assumptions. Moreover, the elbow after the 3rd/4th component on the scree plot and parallel analysis suggested that a 3-factor model would be valid. On closer scrutinising the models and item loadings, it appeared that one factor in the 3-factor model was a collation of 2 factors in the 4-factor model, suggesting the 3-factor model was an underestimation of the relevant constructs.

The 4-factor model marginally met recommended minimum for total variance explained at 41.5% (Recommended >40%), and all items loaded positively onto the extracted factors in this model. This differed with every other model tested in the identified construct, though the same items were loaded negatively. This model, therefore, indicated a consistent scoring and easier interpretation capacity; positive scores on this subscale would indicate a higher expression of the construct.

See Tables 6 (and Appendix C. Table 30a-g) for a summary of the 3-9 factor models.

Table 6. Summary of the 3-9 factor models generated by the EFA

|  |  |  |  |
| --- | --- | --- | --- |
| Number of Factors | Range of Communalities | Total Variance Explained (%) | Range of factor loadings |
| 3 | .071-.545 | 37.3 | -.698 - .699 |
| 4 | .083 - .574 | 41.5 | .412 - .702 |
| 5 | .131 - .585 | 45.5 | -.709 - .719 |
| 6 | .125 - .672 | 49.1 | -.740 - .715 |
| 7 | .123 - .655 | 52.5 | -.732 - .705 |
| 8 | .123 - .693 | 55.4 | -.803 - .702 |
| 9 | .147 - .737 | 58.3 | -.832 - .697 |

#### 3.3.4.3. 4-Factor Model

In the 4-factor model, 11 of the 37 items loaded onto factor 1, 7 loaded onto factor 2, 7 onto factor 3 and 5 items onto factor 4. Three items (28, 34, 36) had factor loadings of less than 0.4, and another four items (15r, 21, 33, 35) did not load at all onto any factors, so they were not included in the final model.

The seven questionnaire items that did not successfully load onto any of the identified factors are below:

(15) – "I avoid open arguments."

(21) – "I accept that I make mistakes once in a while."

(28) - "My illness has changed my perspective on life."

(33) – "I understand the cause of my illness."

(34) – "I experience exclusion and discrimination because of my illness."

(35) – "I am content with what I have achieved in my life despite my illness."

(36) – "I know what my illness symptoms are."

#### 3.3.4.4. Interpretation of factors

Based on the prior constructs of the measure and interpretation of the item clusters, factor 1 was interpreted as 'Self-efficacy', factor 2 was interpreted as 'self-awareness/assertiveness', factor 3 was interpreted as "interpersonal illness burden/shame and factor 4 was interpreted as ‘Social support’ (see Table 7).

Table 7. EASE-F 4F subscale items

|  |  |  |
| --- | --- | --- |
| **Factor** | **Sub-scale interpretation** | **Items** |
| **1** | **Self-efficacy** | 1. In general, I am able to manage my daily tasks |
| 2. I can manage limitations related to my illness in my daily life. |
| 3. In difficult situations, I can do something that helps me. |
| 10. I feel good about myself as I am. |
| 18. I am capable of achieving things I would like to achieve. |
| 19. I accept things I cannot change. |
| 20. I look after my well-being in daily life. |
| 22. I feel well-prepared for future challenges. |
| 25. I find it easy to relax. |
| 27. I am confident that my ability to cope with my illness will improve. |
| 29. I believe that problems in life are also an opportunity to develop new skills. |
| **2** | **Self-awareness/Assertiveness** | 5. I am aware of my own needs and wishes. |
| 5.1. I am able to stand up firmly to others about my needs and wishes. |
| 9. I am able to express how I feel if it is important to me. |
| 13. I am able to say “no” when others ask me to do things for them that I would rather not do. |
| 16. It is easy for me to openly disagree with others if I have a different opinion. |
| 4. I talk openly about how I feel with people who are important to me. |
| 24. I am confident when I deal with people I do not know. |
| **3** | **Illness burden/Shame** | 8. In some situations, I am confused about how I feel. |
| 11. I bottle up feelings |
| 12. I worry about being a burden to others. |
| 14. It is hard for me to ask others for help. |
| 17. I feel ashamed of my illness. |
| 23. I am still troubled by things that happened to me in the past. |
| 26. I take on too much to the point of being exhausted. |
| **4** | **Social Support** | 7. I have informed people who I see regularly how to help me when I am struggling with my illness. |
| 6. I talk openly about my illness with people who are important to me. |
| 30. I am happy with the support that I receive. |
| 31. I am happy with the relationships that I have. |
| 32. There are people whom I trust. |

### 3.3.5 Confirmatory Factor Analysis (CFA)

#### 3.3.5.1 Model fit

The chi-square test for exact fit was significant, indicating that the data did not fit the model. Goodness-of-fit analysis in the CFA further confirmed that the model did not fit adequately: RMSEA= 0.064, TLI = 0.83, CFI =0.85.

As the chi-square is biased to significance, the relative chi-square (1 df) was calculated and yielded 1.91 (762.2/399). The critical value for the chi-square value of 1 df from the chi-square table is 3.841. The normed chi-square was below the critical value indicating a good fit.

#### 3.3.5.2 Modifications

To achieve a better model fit, modification indices (MI) were obtained, and the model was adjusted iteratively. MI’s that resulted in a reduction of at least 15 in chi-square were obtained. Modifications involving cross-loadings and covariances between items loading onto different subscales were excluded. See Table 8 for modification indices.

Table 8. Modification indices to the 4-factor model of the EASE-F

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| LHS | OP | RHS | MI | EPC | SEPC.LV | SEPC.ALL | SEPC.NOX |
| EASE-F\_1 | ~~ | EASE-F\_2 | 52.86371\* | 0.60742602 | 0.60742602 | 0.51324278 | 0.51324278 |
| EASE-F\_31 | ~~ | EASE-F\_32 | 32.14640\* | 0.52159354 | 0.52159354 | 0.41586457 | 0.41586457 |
| EASE-F\_27 | ~~ | EASE-F\_29 | 20.57863\* | 0.35126356 | 0.35126356 | 0.32065658 | 0.32065658 |

*Note: LHS – Lefthand side; OP – operation (~~covaried); RHS – righthand side, MI – Modification indices; EPC – Expected Parameter change; SEPC.LV – EPC Standardising the latent variables; SEPC: ALL – EPC standardising all variables.*

*\*MI’s indicate those adjusted and retested.*

On adjusting and retesting models, iterative changes reduced the chi-square, though it remained significant. Changes to other indicators of good fit were minimal and remained close to the recommended cut-off for each value.

Rather than covary items as indicated by the modification indices, a sensitivity analysis was conducted to examine the effect of dropping an item on the model fit was explored. This addressed the research aims and simplified the model to develop a questionnaire scoring. To such end, dropping an item was more favourable than adding covariances in the model. Removal of either item 1 or 2 (In general, I am able to manage my daily tasks/ I can manage limitations related to my illness in my daily life) was considered due to the highlighted covariance and similar wording. Item 1 allows for ambiguity as the question is not specifically related to illness symptoms. Retesting showed that dropping item 1 yielded a better model fit (chi-square = 672.2, df = 397, cfi = 0.875, TLI = 0.875, SRMR = 0.068, RMSEA = 0.056). As such, item 1 was dropped. The same testing was conducted iteratively for items 31 and 32 (I am happy with the relationships that I have/There are people whom I trust) and items 27 and 29 (I am confident that my ability to cope with my illness will improve/ I believe that problems in life are also an opportunity to develop new skills). Dropping item 31 improved the model fit better than dropping item 32. However, item 31 (I am happy with the relationships I have), although similar in language and theory to two other items (30. I am happy with the support that I receive; 32. There are people I trust), was thought to be valuable to distinguish between a different and perhaps subtle level of endorsement in the underlying construct of social support.

Moreover, the shortness of the scale made removing these items undesirable. In the case of items 27 and 29, when these items were individually dropped and the model retested, improvements to model fit were similar and minimal. As a result, both items 27/29 and 31/32 pairs were retained but were red-flagged for review in subsequent iterations and Rasch analysis. See Table n for the goodness of fit statistics of the iterated and retested models. See Appendix C – Table 33 for the comparable goodness of fit indices for the above sensitivity analysis of the adjusted EASE-F models.

### 3.3.6 Rasch Modelling

#### 3.3.6.1 Sample size

According to Mundfrom *et al*. (2005), the sample size for Rasch analysis needs to be at least six times the number of items for stable results. So for the largest scale in the EASE-F, 60 patients would be sufficient. With a sample of 450, this was more than sufficient for Rasch analyses.

#### 3.3.6.2 Assessment of Rating Scale Functioning, Model Fit and scale refinement

The category endorsements and the item category probability curves showed that the 5-likert point rating scales used in the EASE-F model did not fulfil all of the suggested criteria for a well-functioning rating scale.

As per the guidelines set out by Linacre (1999, 2004), there were at least ten observations of each response category in every item of the EASE-F; all scales were uniformly ordered as all showed a monotonic increase with each increasing category, for example, the SE scale increases from a low of -1.22 in the category 'strongly disagree' to a high of 0.83 logits in the category 'strongly agree'. All items in the SE, SA/A, SS, and IIB constructs were less than five logits apart and fell within the 0.5 to 1.5 range of MNSQ for both infit and outfit. However, a few items were close to misfitting (see Appendix D.1-4 for Iterative processes for scale refinement for all scales).

All subscales, however, showed narrow, overlapping or indistinct categories, i.e., Andrich thresholds between categories were less than the recommended minimum distance of 1.4 logits units apart (see Figures 4). Additionally, disordered categories were also found in the IIB subscale.

To deal with the indistinguishable categories and disordering, the categories were combined based on each sub-scales category probability curve and redefined to create 3-point scales.

In the SE and IIB scales, categories' slightly agree' and 'neither agree nor disagree' were combined to create a joint category, and categories' slightly disagree' and 'strongly disagree' were combined to create a joint category. In the SS and SA/A scales, categories of 'strongly agree' and 'slightly agree' were combined to create a joint category and 'neither agree nor disagree' and 'slightly disagree' were combined to create a new central category.

Figure 4a-d shows the Category Probability Curves (CPC) for the rating scale used by the SE, SA/A, IIB and SS subscales.

Figure 4a. Self-efficacy scale CPC for original and collapsed categories.

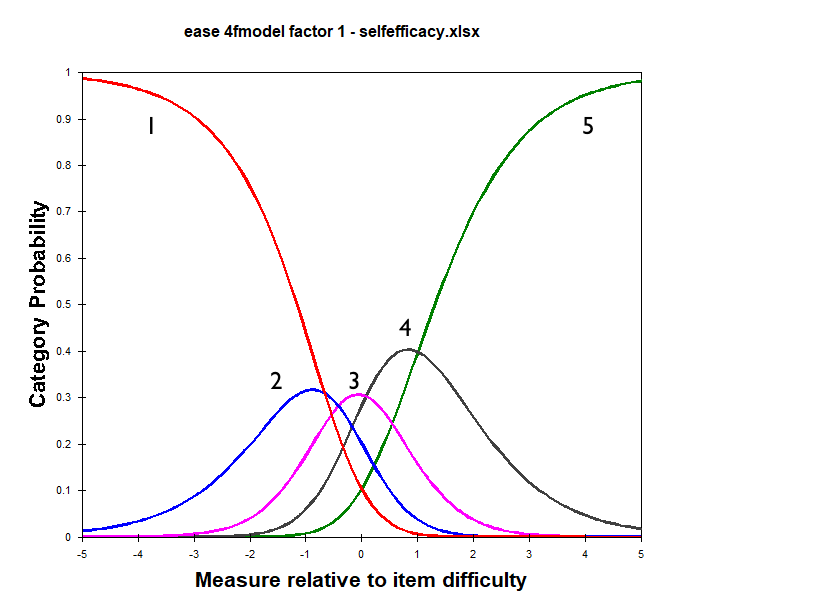
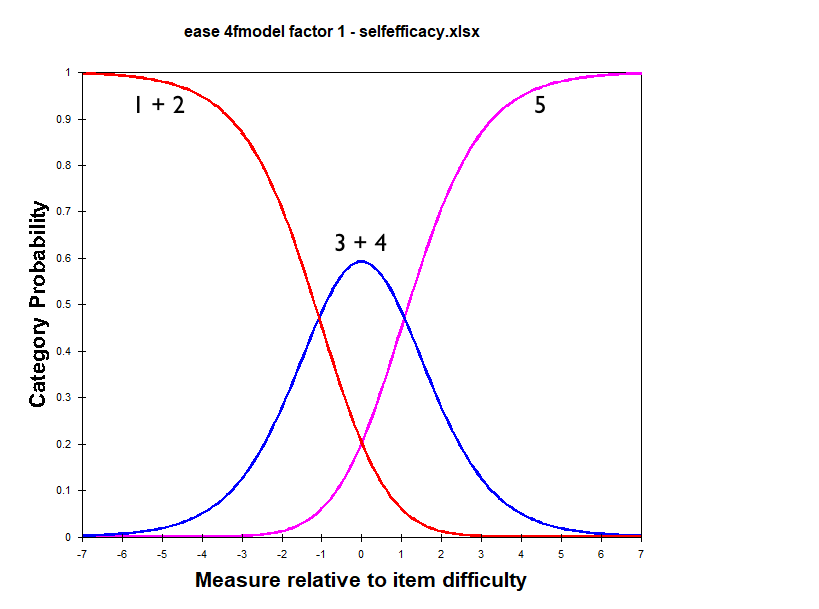


Figure 4b. Self-awareness/assertiveness CPC for original and collapsed categories.

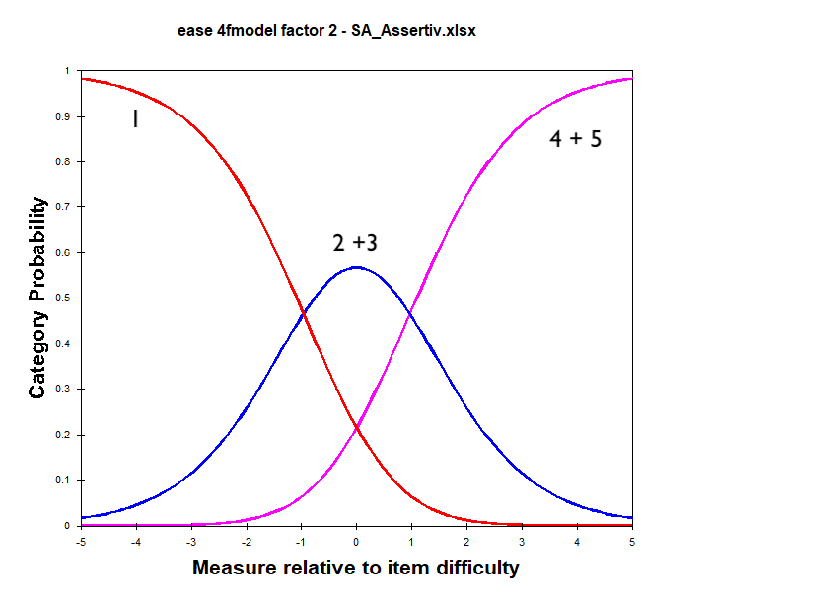
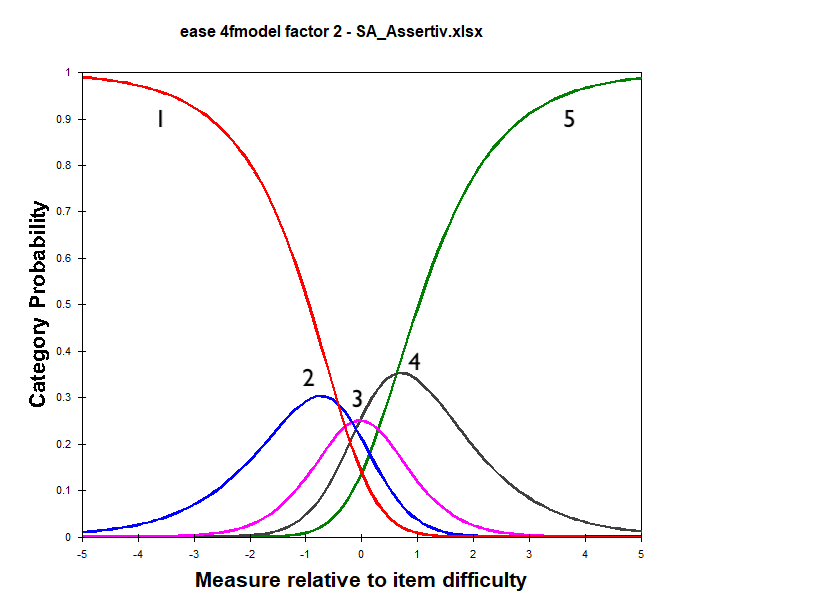


Figure 4c. Social Support scale CPC for original and collapsed categories.

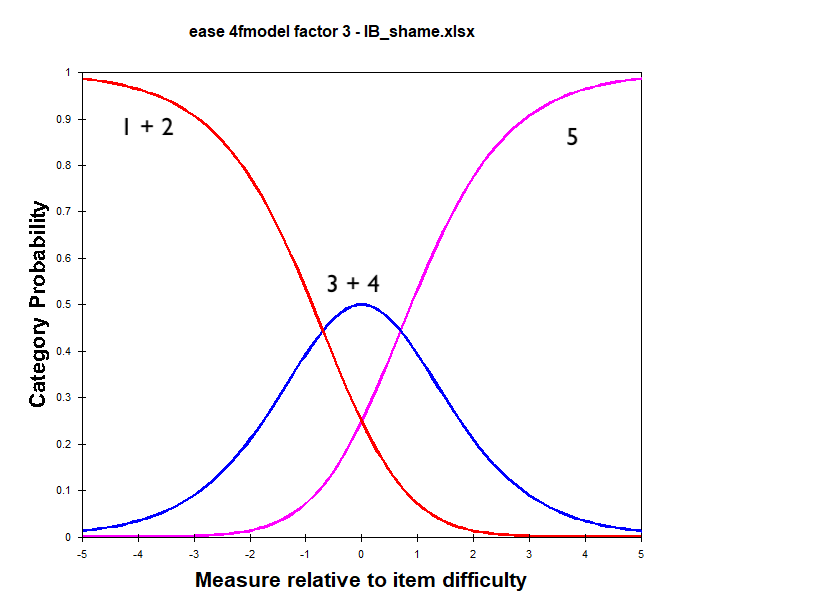
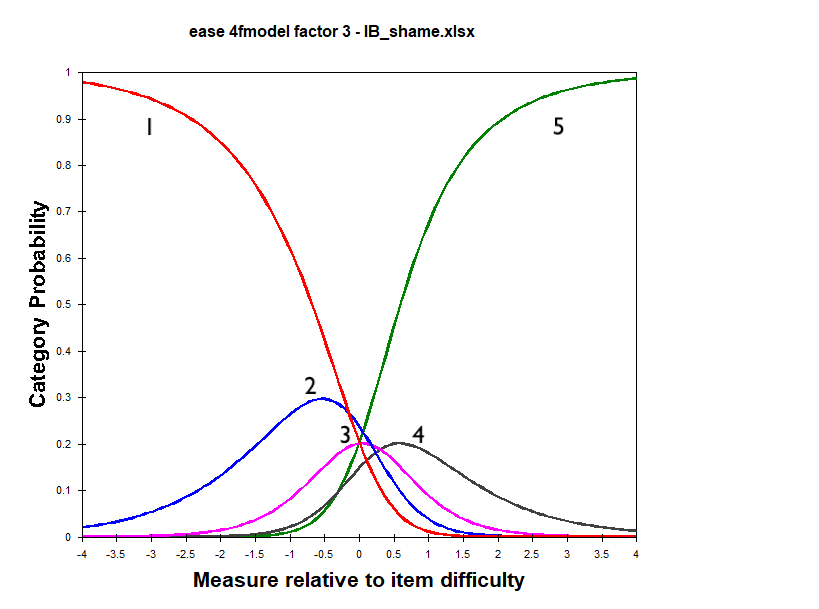
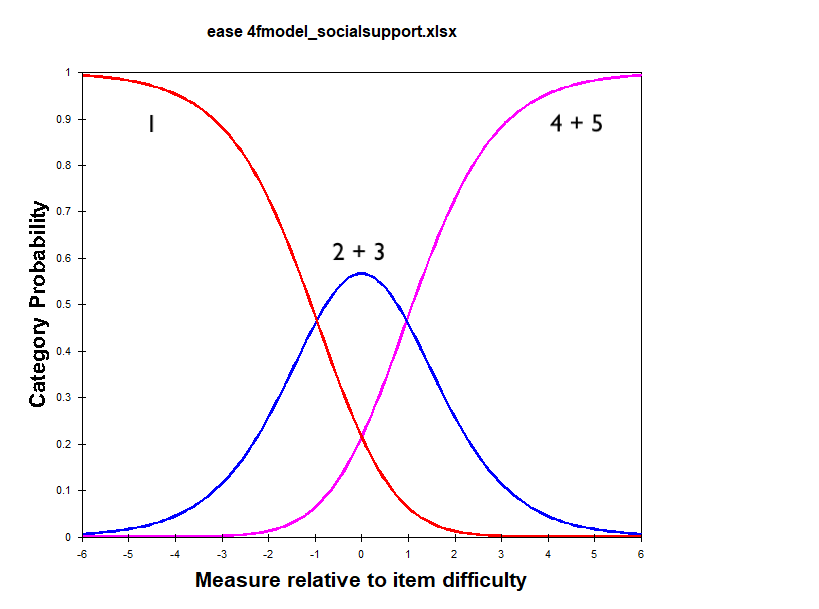
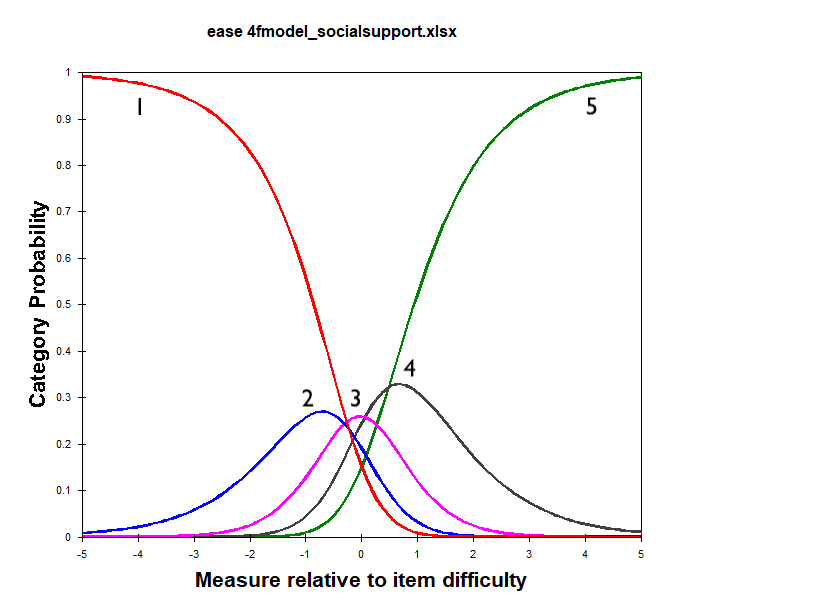


Figure 4d. Illness burden scale CPC for original and collapsed categories.



*Figure 4. Category 1-Strongly disagree, 2-Sliightly disagree, 3-Neither agree not disagree, 4-Slightly agree, 5- Strongly agree.*

Misfitting items were identified in all of the original EASE-F sub-scales. After combining categories, item 19 ("I accept things I cannot change") of the SE subscale was still out of range of the acceptable values of fit (infit MNSQ - 0.5 to 1.5). As item 19 was also indicated as a redundant item on the assessment of construct validity, where it overlapped with another item on Wright maps, analysis was continued by removing this item. In model 2 (combined categories) of the self-awareness subscale, the fit analysis revealed 4 out of 7 misfitting items. After redefining the categories in the IIB and SS subscales, 1 item was misfitting in the illness burden, and none were found in the social support subscale.

Although the misfitting SA/A items were all productive of measurement based on MNSQ values, they were outside of the recommended window for standardised infit and outfit. Based on the Rasch model, this indicated that items were either too predictable or completely unpredictable. Following a review of the content of the misfitting items, including; assessment of item difficulty, item alignment with the underlying construct, examination of response patterns, and sensitivity analyses, the misfitting items in the SE, SA/A and IIB subscales were retained but were flagged for evaluation in further model iterations, e.g. after removal of misfitting persons.

Misfitting person response patterns (e.g., arising from respondents guessing or other unexpected behaviour) were found in the data. Individuals with misfitting response patterns (i.e., outfit mean square values >1.6 logits) were iteratively removed, and Rasch parameters were re-estimated until evidence of item parameter stability was observed. In the original model, 61-114 misfitting persons were identified across the four subscales. After adjusting the category scale, this was reduced to 43 - 59 persons across the scales. The next model was analysed after the removal of these underfitting (high mean-square) patients.

After adjusting the rating scale and removing 1 item, categories were ordered, and category fit statistics were productive for measurement (outfit mean square values <2.0 logits) for all items. All items on the social support subscale demonstrated an acceptable fit to the model based on infit MNSQ and were productive of measurement, but problematic items on the SE, SA/A, and IIB subscales were highlighted. Additional Rasch metrics for these scales were estimated to determine further recommendations for refining the scales where necessary and reporting the psychometric properties of the final model. Information about dimensionality, local independence, construct validity and person and item reliability for the original model of the EASE-F and the different refined versions of each subscale are given in Tables 9-12. Appendix D shows the iterative process of scale refinement and recommended item reduction/revision with comments for decisions/removal for each subscale.

#### 3.3.6.3 Final Rasch analysis

Uni-dimensionality and local independence

Principal component analysis of the residuals (PCAR) supported the assertion that each of the four subscales measures a single construct or trait. [Table](https://www.sciencedirect.com/science/article/pii/S2666374021000248" \l "tbl0001) 9. presents a summary of the dimensionality analysis of the EASE-F. The PCAR results were positive: the Rasch model explained at least 37.1-51.2% of the variance in the final version SE, SA and SS subscales and exhibited an unexplained variance in the first contrast below 2.0 eigenvalue units. This showed that there was no other model besides the Rasch model explaining variance in the data. In the social support scale, 15.2% of the residuals could be explained by the second factor, which could suggest a second dimension. However, the eigenvalue was 1.7 (below criteria for the 2nd dimension), and further scrutinising the cluster patterns did not indicate another dimension. In addition, the residual correlations for all items in the SE, SA/A, SS and IIB constructs fell under the 0.7 cut-off for strong correlation indicating the local independence of the items.

Table 9. Uni-dimensionality statistics of the final Rasch model of the EASE-F subscales

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Subscale** | **Variance explained by the model** | **1st contrast eigenvalue** | **1st contrast variance** | **2nd contrast eigenvalue** | **2nd contrast variance** | **Comment/decision** |
| **Self-efficacy** | 51.2% | 1.4 | 7.9% | 1.3 | 6.8% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| **Self-awareness** | 50.3% | 1.6 | 11.3% | 1.3 | 9.2% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| **Social Support** | 46.5% | 1.7 | 15.2% | 1.3 | 11.7% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| **Illness burden** | 37.1% | 1.4 | 12.7% | 1.4 | 12.3% | Scale is unidimensional. 2nd dimension interpreted as random noise |

Fit statistics

Table 10 presents a summary of the global fit analysis of the EASE-F. All scales met the Rasch model criteria for overall fit. Infit mean square values ranged from 0.99 to 1.00 to logits. Further global fit statistics for each scale can be found in Table 10.

Table 10. Global fit statistics of the final Rasch model of the EASE-F subscales

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Statistic:** | **Self-Efficacy Scale** | **Self-Awareness Scale** | **Social Support Scale** | **Illness Burden** |
| **Chi-square**  **(df)**  **p-value** | 4821.9  3267  0.000 | 3356.9  2254  0.00 | 3998.3  2526  0.000 | 3991.6  2534  0.000 |
| **INFIT MNSQ** | 0.99 | 1.00 | 1.00 | 1.00 |
| **INFIT ZSTD** | -0.18 | -0.16 | -0.02 | 0.08 |
| **OUTFIT MNSQ** | 1.03 | 0.99 | 0.99 | 0.98 |
| **OUTFIT ZSTD** | 0.27 | -0.42 | -0.02 | -0.13 |

Following retesting of various model iterations for the EASE-F subscales, several items were identified as potentially problematic in the 'final' Rasch model:

Within the SE scale, Item 29 ("I believe that problems in life are also an opportunity to develop new skills") was flagged as misfitting, with a ZSTD outfit value of 3.10 (recommended range: ±2). This value indicates that the data obtained from this item is unpredictable based on the model, and this issue persisted even after the removal of misfitting persons from the preceding model.

In the SA scale, four out of seven items were highlighted as misfitting: Item 24 ("I am confident when I deal with people I do not know"), Item 4 ("I talk openly about how I feel with people who are important to me"), Item 5.1 ("I am able to stand up firmly to others about my needs and wishes"), and Item 9 ("I am able to express how I feel if it is important to me"). Although the Infit and Outfit MNSQ values for these items were within acceptable ranges, signifying productivity of measurement, the standardised values (ZSTDs = -4.55 to 3.37) indicated items that were either too predictable for the model (ZSTD <-2) or highly unexpected (ZSTD >3).

After refining categories and removing items, no misfitting items were found in the IIB and SS scales.

Regarding misfitting persons, eliminating only underfitting persons (MNSQ >1.6) helped improve the global model fit and enhance the uni-dimensionality of the SE, SA and IIB scales, as well as the person separation indices. Upon removal of underfitting persons, the number of overfitting persons (MNSQ >0.4), i.e., those fitting the model 'perfectly', significantly decreased in the SE, SA and IIB scales and were thus not further tested.

A model of the SS scale prior to omitting misfitting persons achieved satisfactory model fit and metrics across all Rasch parameters. The removal of underfitting misfitting persons and, separately, overfitting persons did not significantly affect the model fit, so these iteration results were not reported here. Table 11 presents the item fit statistics for each of the EASE-F subscales in the final Rasch model.

Table 11. Fit statistics of misfitting items in each EASE-F subscale of the final tested Rasch model

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **Statistic** | **Flagged items** | **Infit ZSTD** | **Outfit ZSTD** | **Comment/Decision** |
| **Self-efficacy** | Item fit | 29 | 0.08 | 3.10 | High ZSTDs – Item too unpredictable for model |
| **Self-awareness** | Item fit | 24 | 2.88 | 2.80 | High ZSTDs – Item too unpredictable for model |
| Item fit | 4 | 3.37 | 2.33 | High ZSTDs – Item too unpredictable for model |
| Item fit | 5.1 | -3.85 | -3.80 | Low ZSTDs – Item very predictable of model |
| Item fit | 9 | -4.55 | -4.49 | Low ZSTDs – Item very predictable of model |
| **Social Support** | Item fit | none |  |  |  |
| **Illness burden** | Item fit | none |  |  |  |

Person/ item reliability and person/ item separation

The item and person reliability statistics of the final models of each EASE-F subscale can be found in Table n below.

Table 12. Item/person reliability statistics of the final Rasch model of the EASE-F subscales

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Person** | | **Item** | |
| **Subscale** | **Reliability** | **Separation index** | **Reliability** | **Separation index** |
| **Self-efficacy** | 0.82 | 2.14 | 0.99 | 9.93 |
| **Self-awareness** | 0.78 | 1.87 | 0.97 | 5.82 |
| **Social Support** | 0.70 | 1.54 | 0.99 | 8.34 |
| **Illness burden** | 0.68 | 1.46 | 0.96 | 4.78 |

Construct validity

Wright maps were used to evaluate the construct validity and targeting of items in the EASE-F subscales. Figure 5 displays the Wright Maps for all subscales. In the maps presented, items situated below zero are considered easier, and individuals below zero and closest to these items exhibit lower ability or endorsement of the measured construct. Conversely, items above zero are more difficult to endorse, and individuals close to these items possess greater ability.

In all scales, several item gaps, item groupings or overlaps and a limited spread of items on the map were observed. The self-efficacy scale, comprising the largest number of items (n=9), demonstrated the most extensive spread, reflecting varying levels of item difficulty that can capture varying levels of ability among patients in this sample. However, this spread was insufficient on either side, as it did not seem to capture the full range of patient abilities. The Wright map of a previously tested model (not shown) supported the removal of item 19 from the self-efficacy scale due to its redundancy, as indicated by overlap with another item.

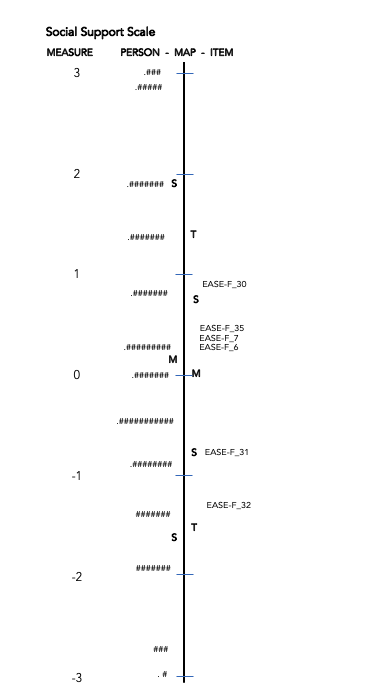
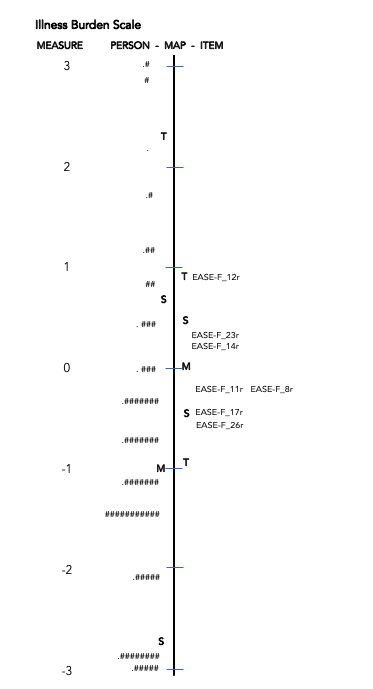
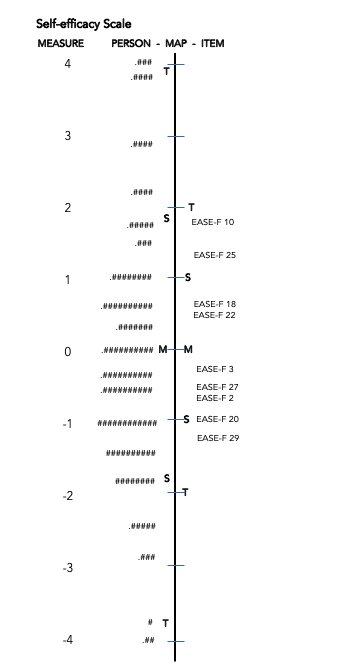
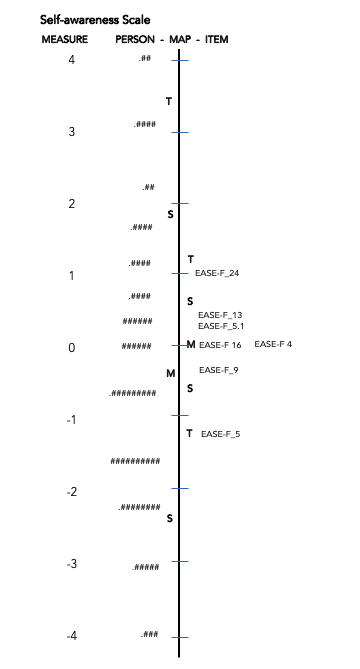
Person ability on the SE and SA scales ranged between +4 and -4 logits, while item difficulties only captured levels between +2 and -2 logits. Similarly, on the IB and SS scales, person abilities ranged between +3 and -3 logits, but item difficulties were restricted to between +1 and -1 logits on the IIB scale and between +1 and -2 logits on the SS scale.

A noticeable negative skew in the distribution of patients was evident on the IIB scale, with a higher number of patients positioned below zero. A similar but less pronounced skew was observed on the SA scale. Overlapping items included items 11 and 8 on the IIB scale and 16 and 4 on the SA scale. A substantial gap between item difficulty levels (1 logit) was noted in the SS scale, while smaller gaps of >1 logit were observed in all other scales.

Differential Item Functioning

Differential item functioning (DIF) was assessed based on sex in each of the 4 EASE-F subscales, and no evidence of DIF was found.

Figure 5. Wright maps of the final Rasch model of the EASE-F subscales



Note: Figure 5. Each "#" is three persons, and each "." is 1 to 2 persons. S denotes 1 SD from the mean (M), and T denotes 2 SD from the mean**.**

Table 13. Psychometric properties of the different EASE subscale scale models

Table 13 below presents the number of participants responding with maximum and minimum scores (ceiling and floor effect) across the different solutions. This presentation indicates that the final EASE-F solution obtained from the present analysis, on average, increases the proportion of participants demonstrating minimum scores on the subscales of EASE-F and has minimal effect on the maximum scores.

### 3.3.7 Convergent validity of the final Rasch Model

#### 3.3.7.1 Convergent validity

Correlations with other questionnaire scores were estimated to address the following hypotheses:

1. The SE, SS, IIB and SA scale of the EASE-F scale will be negatively correlated with EQ-5D-3L, PHQ-15, PCL-5, GAD-7, PHQ-9, WSAS, and UCS total scores (that is, lower scores on the EASE-F constructs are associated with increased levels QOL, personal and social functioning, reported anxiety and depression, and severity of somatic and traumatic stress symptoms and unmitigated communion).
2. The SA scale will show stronger negative correlations to UCS total score measure more than the other EASE-F subscales.

Specific items from the UCS and WSAS scales were of particular interest. We hypothesised differences in associations observed between EASE-F subscales and particular measures and measure items.

1. The SE scale will show stronger negative correlations to the WSAS' ability to work' and 'home management' items than the other subscales.
2. The SS scale will show stronger negative correlations to the WSAS' social leisure' and 'relationships' items than the other subscales.

All EASE subscales showed significant correlations with the comparator measures' total scores. These were all inverse weak to moderate correlations (positive correlations on the EQ-5D-3L), which indicated that higher scores on the EASE are associated with lower QOL, depression, anxiety, somatic severity symptoms, work and social functioning and unmitigated communion. The second hypothesis that there would be stronger correlations between the SA scale and UCS total score was not confirmed as a stronger correlation was found with the illness burden scale. Regarding specific items of the UCS and WSAS scales, the SE scale indeed showed strongest correlations with 'ability to work' and 'home management' items than the other subscales. However, SE was also more strongly correlated with the WSAS' social leisure' item than the SS subscale. Notably, the strongest correlations across all comparators were observed in the SE scale. Table n shows the correlation analyses of the EASE-F subscales (final Rasch model) with the EQ-5D-3L, PHQ-15, PCL-5, GAD-7, PHQ-9, WSAS and UCS total scores,

Table 14. Correlational analysis of EASE-F subscale total score and comparator measures.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EASE-F Subscale** | **Comparator Measure** | **Statistic** | | | |
| **Spearman's rho** | **Significance** | **Lower CI.** | **Upper CI.** |
| **Self-efficacy**  **Collapsed category - total score** | GAD7 total | -.489 | <.001 | -.558 | -.413 |
| EQ5D3L total | -.471 | <.001 | -.542 | -.394 |
| PHQ15 total | -.390 | <.001 | -.468 | -.307 |
| PHQ9 total | -.590 | <.001 | -.649 | -.524 |
| WSAS total | -.501 | <.001 | -.569 | -.426 |
| PCL5 total | -.464 | <.001 | -.536 | -.386 |
| UCS total | -.248 | <.001 | -.335 | -.157 |
| WSAS – Ability to work | -.353 | <.001 | -.434 | -.267 |
| WSAS - Home management | -.446 | <.001 | -.519 | -.366 |
| WSAS – Social Leisure | -.434 | <.001 | -.508 | -.353 |
| WSAS - Private Leisure | -.395 | <.001 | -.472 | -.311 |
| WSAS - Relationships | -.393 | <.001 | -.471 | -.310 |
| UCS\_1 | -.192 | <.001 | -.282 | -.098 |
| UCS\_2 | -.146 | .002 | -.237 | -.051 |
| UCS\_3 | -.122 | .009 | -.215 | -.028 |
| UCS\_4 | -.102 | .030 | -.196 | -.007 |
| UCS\_5 | -.174 | <.001 | -.265 | -.080 |
| UCS\_6 | -.196 | <.001 | -.286 | -.103 |
| UCS\_7 | -.106 | .024 | -.199 | -.011 |
| UCS\_8 | -.067 | .154 | -.161 | .028 |
| UCS\_9 | -.187 | <.001 | -.277 | -.093 |
| **Self-awareness/**  **Assertiveness**  **Collapsed category - total score** | GAD7 total | -.462 | <.001 | -.533 | -.383 |
| EQ5D3L total | -.385 | <.001 | -.463 | -.301 |
| PHQ15 total | -.332 | <.001 | -.414 | -.244 |
| PHQ9 total | -.536 | <.001 | -.600 | -.464 |
| WSAS total | -.331 | <.001 | -.413 | -.243 |
| PCL5 total | -.498 | <.001 | -.567 | -.423 |
| UCS total | -.341 | <.001 | -.422 | -.254 |
| WSAS – Ability to work | -.145 | .002 | -.237 | -.050 |
| WSAS - Home management | -.262 | <.001 | -.348 | -.171 |
| WSAS – Social Leisure | -.312 | <.001 | -.395 | -.223 |
| WSAS - Private Leisure | -.215 | <.001 | -.304 | -.122 |
| WSAS - Relationships | -.377 | <.001 | -.456 | -.292 |
| UCS\_1 | -.249 | <.001 | -.337 | -.158 |
| UCS\_2 | -.021 | .661 | -.116 | .075 |
| UCS\_3 | -.186 | <.001 | -.276 | -.093 |
| UCS\_4 | -.096 | .041 | -.190 | -.001 |
| UCS\_5 | -.192 | <.001 | -.282 | -.099 |
| UCS\_6 | -.305 | <.001 | -.388 | -.216 |
| UCS\_7 | -.327 | <.001 | -.409 | -.239 |
| UCS\_8 | -.228 | <.001 | -.317 | -.136 |
| UCS\_9 | -.285 | <.001 | -.370 | -.195 |
| **Illness burden Collapsed category – total score** | GAD7 total | -.292 | <.001 | -.377 | -.202 |
| EQ5D3L total | -.108 | .022 | -.201 | -.013 |
| PHQ15 total | -.184 | <.001 | -.274 | -.090 |
| PHQ9 total | -.321 | <.001 | -.404 | -.233 |
| WSAS total | -.142 | .003 | -.234 | -.047 |
| PCL5 total | -.365 | <.001 | -.445 | -.280 |
| UCS total | -.388 | <.001 | -.466 | -.304 |
| WSAS – Ability to work | -.060 | .207 | -.154 | .036 |
| WSAS - Home management | -.122 | .010 | -.215 | -.027 |
| WSAS – Social Leisure | -.137 | .003 | -.230 | -.043 |
| WSAS - Private Leisure | -.090 | .055 | -.184 | .005 |
| WSAS - Relationships | -.213 | <.001 | -.302 | -.120 |
| UCS\_1 | -.247 | <.001 | -.334 | -.155 |
| UCS\_2 | -.055 | .243 | -.250 | .040 |
| UCS\_3 | -.272 | <.001 | -.358 | -.181 |
| UCS\_4 | -.182 | <.001 | -.272 | -.088 |
| UCS\_5 | -.150 | .001 | -.242 | -.056 |
| UCS\_6 | -.317 | <.001 | -.400 | -.229 |
| UCS\_7 | -.281 | <.001 | -.366 | -.191 |
| UCS\_8 | -.239 | <.001 | -.327 | -.147 |
| UCS\_9 | -.300 | <.001 | -.384 | -.211 |
| **Social Support Collapsed category – total score** | GAD7 total | -.387 | <.001 | -.465 | -.303 |
| EQ5D3L total | -.319 | <.001 | -.402 | -.231 |
| PHQ15 total | -.274 | <.001 | -.360 | -.183 |
| PHQ9 total | -.439 | <.001 | -.512 | -.358 |
| WSAS total | -.363 | <.001 | -.443 | -.277 |
| PCL5 total | -.399 | <.001 | -.476 | -.316 |
| UCS total | -.210 | <.001 | -.299 | -.117 |
| WSAS – Ability to work | -.143 | .002 | -.235 | -.048 |
| WSAS - Home management | -.203 | <.001 | -.293 | -.110 |
| WSAS – Social Leisure | -.330 | <.001 | -.412 | -.242 |
| WSAS - Private Leisure | -.270 | <.001 | -.356 | -.180 |
| WSAS - Relationships | -.467 | <.001 | -.538 | -.389 |
| UCS\_1 | -.180 | <.001 | -.270 | -.086 |
| UCS\_2 | -.059 | 0.208 | -.154 | .036 |
| UCS\_3 | -.087 | .066 | -.180 | .009 |
| UCS\_4 | -.069 | .143 | -.163 | .026 |
| UCS\_5 | -.118 | .012 | -.211 | -.023 |
| UCS\_6 | -.231 | <.001 | -.319 | -.139 |
| UCS\_7 | -.175 | <.001 | -.266 | -.081 |
| UCS\_8 | -.111 | .019 | -.204 | -.016 |
| UCS\_9 | -.145 | .002 | -.237 | -.051 |

*Note: Correlations significance level set at 0.05.*

## 3.4 Discussion

This study examined the psychometric properties and construct validity of the EASE-F questionnaire developed specifically for patients with FNSD. The present study aimed to identify the factor structure of the EASE-F, utilise Rasch metrics to develop and refine the measure, establish a scoring system for the questionnaire and provide recommendations to refine the measure for research and clinical use. To this end, the original 36-item EASE-F with a 5-point Likert scale was refined to a 34-item scale with a 4-factor structure and a 3-point Likert rating scale, capturing patients' ratings of self-efficacy, assertiveness, illness burden and social support. To our knowledge, this is the first study to apply the Rasch model in any self-report measure designed for an FNSD patient population.

### 3.4.1 Key Findings - Factor Structure

The exploratory factor analysis revealed that 4 to 9 factors could be found in the EASE-F questionnaire, where the larger number of factors accounted for more of the total variance. However, after parallel analysis and consideration of the questionnaire's aim, the four-factor EASE-F model was thought best to reflect the original intent of the questionnaire and provide better interpretability in the FNSD patient population. The chosen 4- factor solution explained 41.5% of the variance within the sample.

#### 3.4.1.1 The Self-efficacy Scale

Factor 1 made the greatest contribution to the variance, comprising 11 items, reflecting various aspects of the patient's belief in their capability to handle challenges, adapt to limitations, and maintain a positive outlook on life despite adversity or illness. As such, this factor was termed 'Self-efficacy'. The repeated sense of loss of personal control or agency is a central problem in patients with FNSD that can be addressed through psychotherapeutic approaches. The belief in one's ability to accomplish tasks and overcome challenges significantly impacts an individual's willingness to engage in and persist through rehabilitation efforts, ultimately influencing recovery outcomes (Bandura, 1977).

The convergent analysis confirmed the hypothesis that this scale would show stronger negative correlations to the WSAS' ability to work' scale and 'home management' items than any other subscale. This was not surprising as this scale correlated strongest and negatively with all the comparable external measures, compared to the other subscales (Spearman's rho = -.248 - - 590). Individuals with high self-efficacy tend to be more resilient and adaptive in facing health challenges. They will likely view illness as a manageable challenge rather than an insurmountable obstacle. Such positive perspectives can enhance one's capacity to maintain regular work schedules and household responsibilities despite physical or mental health issues. Conversely, low self-efficacy might lead to helplessness or hopelessness, potentially resulting in withdrawal from social roles and responsibilities, including work and home management. The strongest correlations were between the depression total score and social adjustment total scores, reflecting the significant role and interplay of self-efficacy in social adjustment, mood and consequent quality of life. Several studies have reported links between HRQOL and self-efficacy across a range of physical and mental health conditions (Abraham et al., 2014; Crellin et al., 2014; Dilorio et al., 1992; Kobau & Dilorio, 2003; Lee & Oh, 2020; Motl & Snook, 2008). Consequently, monitoring changes in self-efficacy throughout treatment can provide valuable insights into treatment effectiveness and inform adjustments that may need to be made to therapeutic strategies.

#### 3.4.1.2 The Self-awareness/Assertiveness Scale

The second factor, termed 'Self-awareness/Assertiveness', consisted of seven items related to the ability to recognise one's own needs, feelings, and opinions and communicate them to others, even when faced with disagreement or resistance and, without violating the rights of others (Ames & Flynn, 2007; Speed et al., 2017). Psychotherapeutic work in FNSDs involves increasing bodily and internal awareness versus hyper-awareness of external factors, for example, using grounding strategies. Mindfulness-based therapies are based on enhancing awareness and accepting internal states so patients can engage in values-based behaviours to reduce the automatised processes that can lead to symptoms such as FS (Myers et al., 2022).

FNSD patients have difficulty identifying and describing their emotions, a phenomenon known as alexithymia (Bakvis et al., 2009; Bewley et al., 2005; Steffen-Klatt et al., 2019). Alexithymia has been linked to heightened emotional arousal, maladaptive coping strategies, and increased symptom severity in FNSD (Ricciardi et al., 2015). Self-awareness also encompasses the ability to monitor one's cognitive processes, which can play a role in the perpetuation of FNSD symptoms (Aybek et al., 2015); FNSD patients may exhibit cognitive biases that contribute to negative expectations about their symptoms, such as negative affective attentional biases, catastrophising or rumination (Pick et al., 2019). As such, this scale may reflect altered thought processes or cognitive restructuring. The convergent validity analysis showed the expected negative correlations with all total scores on the compared measures. These correlations were all statistically significant, but notably, the highest correlations were with the PHQ-9 (depression), PCL-5 (post-traumatic stress) and the GAD-7 (anxiety) questionnaires (Spearman's rho = -.536, -.498 and -.462 respectively). A lack of internal awareness observed in FNSDs can impede patients' ability to identify and understand their emotional experiences, contributing to emotion dysregulation (Barrett et al., 2001). Not recognising or misunderstanding emotional responses can increase vulnerability to mood disorders such as anxiety and depression. For example, individuals unable to identify their feelings or triggers may struggle to implement appropriate coping strategies, leading to increased distress and potentially exacerbating somatic symptoms (Subic-Wrana et al., 2014). As assertiveness plays a significant role in interpersonal relationships and communication, a lack of assertiveness can lead to unmet needs, unresolved conflicts, and dissatisfaction, aggravating anxiety and depression (Speed et al., 2017). Lack of assertiveness may also lead to a perceived loss of control over one's environment and oneself (Bazydlo & Eccles, 2022). Additionally, difficulties in expressing personal needs and boundaries can lead to chronic interpersonal stress, manifesting as somatic symptoms (Lackner & Fresco, 2016).

Self-awareness can be considered a critical component of assertiveness, as individuals with higher levels of self-awareness are more likely to engage in assertive behaviours. This relationship can be attributed to the fact that self-aware individuals better understand their own emotions, thoughts, and values, enabling them to communicate their needs and feelings more effectively. Given the deficits in interoceptive ability demonstrated in FNSDs, similar deficits in assertive behaviours in this patient group could be inferred. Assertiveness training programs often include self-awareness exercises to enhance participants' ability to recognise and express their feelings and needs (Lange et al., 1975). While there is limited direct evidence on the effects of assertiveness training specifically for FNSD patients, assertiveness training is beneficial in managing other mental health disorders, such as anxiety and depression (Eslami et al., 2016; Speed et al., 2017). Considering the frequent comorbidity of these disorders in FNSD patients (Gray et al., 2020; Petrochilos et al., 2020), it is reasonable to suggest that enhancing assertiveness skills may lead to improved communication between patients and support networks, carers and healthcare professionals, as well as better emotional regulation and self-efficacy, ultimately promoting optimal symptom management and overall well-being.

One might also surmise that there would be an inverse correlation between assertiveness and self-esteem (SE), one's sense of competence and worth. Self-esteem has been investigated in a functional seizure population, and patients with FSs had lower explicit SE than those with epilepsy or healthy controls, and a higher frequency of FSs was associated with lower explicit self-esteem. Low self-esteem was also associated with perceived stigma, disability and poor treatment outcomes, which could mediate patients' ability to acknowledge and assert their own needs or wishes (Dimaro et al., 2015).

Among comprehensive psychoeducation about the disorder and enhanced understanding of seizure triggers, the increased awareness and tolerance of potentially uncomfortable emotions are focuses of psychotherapeutic intervention. This scale may act as a measure of self-awareness and, in some cases, assertiveness in a disorder characterised by episodic disruption of normal levels of awareness. A low score on this scale could inform the need for therapeutic interventions, such as CBT and mindfulness-based approaches, that enhance self-awareness. After therapy, this subscale may be able to detect a patient who is better equipped to recognise emotional triggers and reactive bodily sensations and to implement effective emotion regulation strategies, which can lead to improved symptom management (Baslet et al., 2015; O'Connell et al., 2019; Pick et al., 2019; Williams et al., 2018).

#### 3.4.1.3 The Interpersonal Illness Burden Scale

A third factor comprising seven items appeared to address various aspects of the burden of the illness on interpersonal relationships and was so termed the 'Interpersonal Illness Burden'. This included dealing with illness-related shame; emotional expression, i.e., the tendency to suppress or express emotions; perceived burden, i.e., the patient's concern about being a burden on others due to their illness; help-seeking, i.e., patients' comfort with seeking help; overexertion of self and unresolved past issues. By understanding the impact of an individual's illness in social and interpersonal contexts, clinicians can again identify specific domains that can be assessed and targeted in treatment and tailor these to improve QOL.

One such area is the social emotion of shame, which has scarcely been looked at in FNSD. However, recent work has emphasised the possible significance of shame in FNSDs, specifically in FS, revealing similarities between the factors that influence the development of shame and those that contribute to the emergence of FSs (Reuber et al., 2022). It was proposed that there may be significant connections between predisposing and precipitating or triggering aspects of FS disorders and excessive feelings of guilt, less tolerance for shame, or enhanced shame avoidance based on external factors and/or illness-related factors. The public presentation of emotion processing in FNSDs, coupled with factors such as stigma, worsens these issues and can increase shame to a point at which it becomes debilitating or pathological and affects a person's health outcomes (Dolezal & Lyons, 2017). Interestingly, the original a-priori construct of 'stigma' was not identified as a factor, but stigma-related inferences and impact can be drawn from this IIB subscale.

The interpersonal nature of items in this subscale also reflects some theoretical overlap with the self-efficacy and social support scales. The perception of being a burden, for example, as measured by item 12, or difficulty asking for help, as measured by item 14, can limit the acquisition of needed social and practical support, decrease social engagement and increase feelings of guilt and distress. As research suggests that increasing help-seeking behaviours can improve health outcomes (Andrews et al., 2000), interventions that address such concerns can improve social support networks and overall patient well-being.

Significant negative correlations were found with this scale and total scores of depression, anxiety, QOL, somatic symptom severity, social functioning, post-traumatic stress and unmitigated communion measures. Although all correlations were of weak to moderate strength (Spearman's Rho = -.108 - -388, p's <0.05), all of these were statistically significant. Notably, the strongest correlation was with unmitigated communion, a personality construct that captures an individual's extreme focus on others, often to the detriment of their own needs (Helgeson & Fritz, 1999). These findings may reflect externalised hyperawareness of other people, including their needs and wishes or an element of shame that detracts from the patient's ability to acknowledge their needs and feelings without judgement. This external focus and self-critical perspective would likely be observed in clinical treatment settings. However, it can be challenging to identify social factors such as shame, stigma, or unmitigated communion during initial encounters because of their interpersonal nature. The recognition of these factors is crucial, as delayed detection may hinder therapeutic progress and reduce the effectiveness of treatment. For example, heightened or poorly regulated shame in these patients could serve as a connection with mental disorders (Reuber et al., 2022). A measure to detect this emotional association may better enable a thorough understanding of a patient's symptoms. Utilising a scale like the interpersonal illness burden scale may give first insights into a possible contribution of chronic shame or other indicators of interpersonal vulnerability in pwFNSD.

Assessing these illness burdens can help tailor treatment plans to address the unique needs and challenges faced by each person with FNSD. For example, Reuber et al. (2022) discussed that the most appropriate treatment of shame-related mechanisms in patients with FS would depend on an individual patient's circumstances, the contribution shame may make to the patient's FS and its context. This scale might also provide a treatment-related change index in therapies such as Compassion-focused therapy (CFT; (Gilbert, 2009) which address distress tolerance, emotion regulation, and self-compassion versus self-criticism and shame.

#### 3.4.1.4 The Social Support Scale

The final factor identified was interpreted as assessing 'Social Support', which refers to the perception or experience of being cared for, loved, esteemed, and valued by significant others and part of a mutually obliging communication network (Cobb, 1976). It is posited that social support mitigates the negative impacts of stressors associated with chronic illnesses and psychological symptoms, such as in FNSD, by providing emotional, informational, and instrumental resources and appraisal (Cohen & Wills, 1985; Mondal et al., 2020; Thoits, 2011).

The relationship between social behaviours/interaction and HRQoL has been well-studied in neuropsychiatric disorders (Dhand et al., 2016; Suurmeijer et al., 2001). However, this relationship has not been fully understood in FNSD. FNSD is associated with psychosocial factors, such as trauma, abuse, bereavement and ongoing conflict. Disruptions in interpersonal relationships and social communication, avoidance behaviours, limited emotional expression, or withdrawal (Bakvis et al., 2009, 2011; Ludwig et al., 2018; K. Roelofs & Pasman, 2016) have been reported. Marriage is often considered a source of social support, and this has generally been linked to better health outcomes, for example, in patients with epilepsy (Elliott et al., 2011). It could be speculated that this association is reflected in FNSD, where poor support structures and high levels of stress and abuse have been reported. In a naturalistic qualitative study involving 59 patients with FNSD (30 with FS), familial or relational challenges were indicated in 42% of patients in the year preceding symptom onset (Reuber, Howlett, et al., 2007). Several studies have highlighted a potential correlation between the frequency of seizures or comorbid syndromes in FNSD patients and their social support systems  (N. M. G. Bodde et al., 2007; Gray et al., 2020; Pick et al., 2016; Robson et al., 2018; Vaidya-Mathur et al., 2016). However, not all FNSD patients experience a decline in social support or interaction; a study examining 141 patients with FS using a "social behaviours and preferences questionnaire" found that 69% of patients maintained weekly contact with a family member and a similar percentage with at least one friend weekly (Vaidya-Mathur et al., 2016). Nonetheless, functional symptoms impact patients across most aspects of social life (Asadi-Pooya et al., 2021), and social and family factors are significant predisposing and precipitating factors in FNSD (Reuber, Howlett, et al., 2007).

The biopsychosocial model, first proposed by George Engel in 1977, underscores the necessity of a holistic conceptualisation of FNSD, incorporating the disorder's social, biological and psychological components (Engel, 1977). This considers relevant predisposing vulnerabilities, acute precipitating, and perpetuating factors on the patient level. As such, therapeutic models for FNSD engage individual social needs, including self-esteem, affiliation, approval, and moral support, reinforcing the importance of social factors in managing FNSD.

In FNSD, social reinforcement may unconsciously and indirectly promote symptoms via the adoption of a sick role (the acceptance of illness by the patient, governed by certain social expectations, including not being responsible for one's condition and exemption from normal social responsibilities) and can hinder treatment acceptance and progress (Fobian & Elliott, 2019). Conversely, a positive perception of social support can foster treatment engagement, leading to symptom improvement and better illness management. Perceived social support may significantly influence readiness for treatment and subsequent recovery (Brugha, 2010). Regarding clinical outcome, patients' social network was associated with mental and physical health in a mixed FNSD cohort (*n* = 38) (Ospina, Jalilianhasanpour, et al., 2019). In another study, patients with FS (n =22) showed improvements in seizure frequency covaried with reduced passive avoidant behaviours and more active attitudes toward social contacts when evaluated at diagnosis and 4–6 years follow-up (N. M. G. Bodde et al., 2007). Despite needing further study with larger sample sizes, these preliminary findings highlight the potential association between social behaviours and various clinical, neurobiological, and prognostic factors in FS patients.

It has been postulated that it is important to understand the illness beliefs of patients with FNSD within the context of the beliefs of the health professionals looking after them(Ahern et al., 2009) and of social networks such as family, friends and caregivers (Pick et al., 2016; Shahwan et al., 2022). A questionnaire-based study in 115 patients with FS identified that decreased social functioning correlated with patient-perceived disease stigma (Robson et al., 2018). In this regard, exploring patients' perceptions of social support is important. This insight can be instrumental in psychosocial therapies that may enhance perceived social support and apply motivational strategies. The identified SS subscale can provide valuable knowledge for clinicians to understand the impact of a patient's perceived social support and some indicators of success or lack of success in a patient's therapeutic benefit.

### 3.4.2 Key Findings – EASE-F refinement

Numerous analyses were conducted to investigate and improve the psychometric properties of the four EASE-F constructs according to the Rasch model. The Rasch model assumes the most effective predictor of a trait is the relationship between an item's difficulty and a person's ability.

#### 3.4.2.1 Category functioning

This evaluation found that the response categories of the original EASE-F did not fulfil all the suggested guidelines for a well-functioning rating scale and, therefore, could be improved. The category fit statistics showed that the observation fit the category response as expected for the Rasch model and was productive of measurement. However, indications from the category probability curves, where the curves in all scales appeared jagged or peaks were indistinct or overlapping, suggested instability in response patterns, difficulty distinguishing between the categories, or that response categories were functioning similarly. All subscales also had narrow categories, i.e., Andrich thresholds between categories were less than the recommended minimum distance of 1.4 logits units apart. It is ideal for categories to have separate, distinct peaks that cross each other at the 'step calibration' or 'threshold measure'. This otherwise may indicate that category transitions have been defined to be categories. However, this can be sample-distribution-dependent.

To address these issues, adjacent scale categories were combined and retested. Two different combinations of categories were required to improve the category functioning. In the SE and IIB scales; categories' slightly agree' and 'neither agree nor disagree' were combined, and categories' 'slightly disagree' and 'strongly disagree' were combined, while in the SS and SA/A scales; categories of 'strongly agree' and 'slightly agree' were combined and 'neither agree nor disagree' and 'slightly disagree' were combined.

The differences in the categories that were combined between the SS and SA/A scales and SE and IIB indicate a skew of response choices. This skew may reflect a central tendency bias, where respondents tend to avoid extreme response options and instead choose categories that are more neutral or moderate resulting in less distinction between the response options or may be a result of specific response styles (e.g., social desirability bias), where respondents tend to agree or disagree systematically with items regardless of their content. The skew in response choices also provides further evidence that the original response options did not effectively/sensitively capture the nuances or extremes of the construct. Collapsing categories may help reduce the impact of these response styles on the scale's functioning. However, these patterns may necessitate redefining the response categories to improve the clarity of meaning among this patient group and simplify the scale. Further recommendation for this is discussed later in the 'Recommendations for further refinement' section below.

Nevertheless, when the number of response options was reduced in all four EASE-F constructs, there was an improvement in the location of the category curves and other Rasch indices, such as item fit values. In the case of the IIB scale, which comprised all the reversed items in the measure, a phenomenon common in Item Response Theory (IRT), the skewed pattern might be related to the items' wording or context, which could influence the patients' choices. Rewording and retesting these items would indicate whether these distributions resulted from item wording.

#### 3.4.2.2 Uni-dimensionality

The evaluation of uni-dimensionality indicated that each of the four EASE-F subscales independently measured a single trait. This finding of uni-dimensionality aligns with Proyer's (2017a) evaluation of the instrument's factorial validity; however, it is important to note that this finding alone does not substantiate the theoretical soundness of the constructs and only demonstrates that the EASE-F constructs exhibit adequate uni-dimensionality for meaningful measurement.

#### 3.4.2.3 Person misfit

Misfitting persons in a Rasch analysis refer to individuals whose response patterns do not fit the expected patterns predicted by the Rasch model. Overfitting (those fitting the model too 'perfectly') and underfitting (those not fitting the model as expected) persons were observed in all the subscale Rasch models. First, this may indicate differences in response styles or response biases among the patient group.

However, the EASE-F was completed as part of a compulsory and relatively long questionnaire battery to access specialised therapy. In the studied sample, this was particularly after a long wait time rendered by the Covid-19 pandemic and consequent disruptions to the psychotherapy service, which may have led to impatience or guessing in the opt-in questionnaires.

This, among other reasons of, for example, social response bias or difficulty answering, may have led to inconsistent or unusual response patterns relative to the Rasch model. On the other hand, the misfitting persons may indicate that certain questionnaire items are irrelevant or not meaningful to some individuals. This could be because the items are unclear, they may not apply to their specific situation, or they may not adequately capture the intended construct. Reflecting this, combining the categories for responses made a significant difference in the number of misfitting persons across all scales, verifying that, to some degree that the number of misfitting persons was due to suboptimal scale functioning.

Furthermore, misfitting persons might indicate that the sample is heterogeneous, and the questionnaire may not work equally well for all subgroups. Further exploration of differential item functioning (DIF) in other subgroups may determine whether certain items function differently across different subgroups (e.g., age groups, marital status, comorbidities etc.). If DIF is present, modifying or removing problematic items or developing specific items for different subgroups may be warranted.

#### 3.4.2.4 Item misfit

Adequate infit and outfit MNSQ values, but less than optimal corresponding standardised values, indicated that, although these items were productive of measurement, they were either too predictable or completely unpredictable based on the Rasch model. This could indicate a misunderstanding or range of meaning to patients. Therefore, these items were explored further by reviewing the item content, item alignment with the underlying construct, examining response patterns, and further sensitivity analyses, and items were flagged for review in further model iterations. In all scales except the self-awareness/assertiveness scale, these misfitting items were resolved after modifications in response scales or the removal of misfitting persons. In the SA/A scale, four of the seven items still showed out-of-range standardised infit and outfit values in the final Rasch model, indicating a need for further revision of items.

#### 3.4.2.5 Reliability/separation

After refining the model, the person/item reliability and separation indices were reviewed for each subscale. The item separation and item reliability observed for the SE, SA, SS, and IIB scales exceeded the recommended thresholds (separation ≥ 3 and reliability ≥ 0.9) (Cordier et al., 2018; Linacre, 2010). Specifically, the self-efficacy scale demonstrated an item reliability of 0.99 and an item separation of 9.93, suggesting that approximately ten difficulty levels exist within the EASE-F items on this scale. These statistics provide evidence for strong internal consistency and reliability. Conversely, the person reliability and person separation indices fell short of the suggested values of ≥ 0.8 and ≥ 2.0 across all subscales except for the SE scale (Malec et al., 2007). A common explanation for low person reliability and low person separation is an insufficient number of items capturing varying ability levels among respondents within a specific construct. The longest subscale, self-efficacy (nine items), was the only scale to meet the suggested values (Person reliability = 0.82, Person separation index = 2.14). The SE person reliability indicates 82% confidence in the measures of individuals, implying a low measurement error. Additionally, these indices demonstrate that the items within the SE scale are adequately sensitive to distinguish between at least two levels of ability or endorsement (low and high) among the sample.

The suboptimal person reliability and separation indices in the SA, SS and IIB subscales suggest that these scales were not effectively differentiating between varying levels of ability or traits within the sampled population, although the items function well. The collapse of the original categories had minimal effect on the reliability statistics between the model iterations, and the shortness of these scales (5-7 items) is a possible explanation. As such, one solution that might improve these indices would be to add items to the constructs to fill the gaps highlighted in the Wright Maps and other Rasch metrics by adding items with varying difficulty levels.

Another potential explanation is the issue of scale targeting, where the scale may predominantly include items that are either too difficult or too easy for the sample, thus diminishing the separation among individuals. It is advisable to revise the scale items, particularly those identified as misfitting, to target the desired population better. A low person separation index may also be due to the homogeneity of the sample regarding the particular trait of interest. The scale may not provide much information on interindividual differences if all participants have similar ability levels or trait characteristics. Retesting a patient sample with a wider range of attitudes, e.g., incorporating patients who have received therapeutic interventions, may help clarify whether this is a scale or sample characteristic. Researchers that use the EASE-F should monitor these two indices when additional samples of patients are assessed with the current EASE-F and/or when new items are authored.

#### 3.4.2.6 Construct validity

The Wright Map of each construct was used to examine the spacing and order of items. The most evident observation was the item-person targeting; the items of the EASE-F did not adequately match the levels of abilities among the patients. This certainly affects the scale's measurement ability and necessitates the revision and addition of items to target the FNSD population better.

Regarding item difficulty, the Wright map revealed item clusters. For example, the overlap of items 16 and 4 in the final model of the SA scale indicated that one or both items might be redundant from a measurement perspective; that is, these items mark similar parts of the constructs. In this case, items 16 or 4 could be deleted, or one of these items reworded to be easier or more difficult to endorse to make this scale measure the construct more efficiently.

Similarly, instances of gaps in the item difficulty hierarchy, for example, the gap between items 25 and 18 in the SE scale, suggest that revised items may be needed to cover the full range of the construct.

It will also be important for future versions of the EASE-F to add new items to fill the gaps between separated items on the Wright Maps of the SA and SS subscales. Likewise, revision of overlapping items to vary difficulty levels and extend the measurement ruler to match the levels of persons in all the subscales will be required. These changes would be expected to increase the measurement precision of the whole instrument. The present study suggests that authoring new items and revising overlapping and misfitting items are the highest priorities for further refinement of the EASE-F questionnaire.

#### 3.4.2.7 Floor/ceiling effects

Evaluations of floor and ceiling effects were not positive. The distribution of items along the four constructs was such that 1.8 - 7.9% of patients completed the measures with a maximum or minimum score. This result provides further evidence of the EASE-F's lack of ability to accommodate a wide range of patient experiences with the assessed constructs.

### 3.4.3 Hypothesis Testing - Convergent Validity

The convergent validity analysis with the EASE-F subscales and other validated measures (GAD-7, PHQ-9, PHQ-15, WSAS, UCS, PCL-5 and EQ-5D-3L) yielded significant but moderate negative correlations, confirming the initial hypothesis. This indicates that reduced self-efficacy, self-awareness, social support, and increased interpersonal illness burden are associated with heightened mood and somatic symptoms, post-traumatic stress, unmitigated communion, and diminished social functioning and quality of life. These results affirm that the EASE-F assesses clinically pertinent and theoretically related constructs within this patient population without superseding established health and quality of life measures, as originally intended.

Notably, the revere-scored IIB subscale correlations were comparatively weaker than those of the corresponding subscales. Similarly, UCS item 2, 'I never find myself getting overly involved in other's problems, although it was negatively correlated, did not reach significance in the SA/A, SS or IIB scales. This could also be due to the wording and reversal of this item.

The analysis substantiated only one hypothesis regarding the correlations between specific UCS and WSAS questionnaire items and the EASE-F subscales. As anticipated, the SE subscale exhibited stronger negative correlations with the 'ability to work' and 'home management' items on the WSAS than the other subscales. Other hypotheses relating to the SA and SS scales were not supported. The SE subscale showed stronger negative correlations to UCS total score measure than the SA subscales; the SE and IIB subscales showed stronger negative correlations to the WSAS' social leisure' and 'relationships' items than the SS subscale). However, these findings do not completely undermine the initial assumptions as the correlations were only marginally stronger for other subscales, and this might substantiate the observations that the self-perspective and interpersonal aspects, as captured by self-efficacy and interpersonal illness burden, overlap and contribute to the other constructs assessed by the EASE-F in FNSD.

### 3.4.4 Scoring

A sub-scale and a total score could potentially provide an overall measure of FNSD health-related 'resilience' or 'resourcefulness'. However, it is currently difficult to recommend a final scoring strategy without further refinement of the scales and validation, which are out of the scope of this study.

Some recommendations based on the findings of this study, however, include adding items to ensure an equal number of items for each subscale. In the first instance, this would address the shortcomings of item fit and construct validity as highlighted by the Rasch metrics but will also allow for ease of utilising subscale scores to calculate a total score without the need for added weighting. As the self-efficacy scale with nine items performed best regarding person reliability and separation, having nine items per scale could be targeted in the first instance.

As the Rasch model transforms ordinal data into interval data, the Likert point values on a measure based/developed by Rasch metrics could be equally used as point values, and a simple summation of these values could be used as total scores. Cut-off scores could be developed based on empirical data, such as Receiver Operating Characteristic curve analyses, and these should be validated in independent samples. Subsequent convergent analysis with health-related scales that have validated FNSD cut-offs, e.g., PHQ-9, GAD-7, PCL, would be useful to establish interpretable scores from the EASE-F.

### 3.4.5 Recommendations for Further Refinement

Below presents a summary of recommendations for further refinement of the EASE based on the Rasch psychometric results and the above discussions.

#### 3.4.5.1 Category Functioning and Rewording

As collapsing the categories maintained or improved the scale's validity and reliability, this indicated the revised scale is more psychometrically sound and perhaps able to improve measurement precision. Combining the categories simplifies the response scale for respondents, reducing potential confusion and increasing the likelihood of consistent responses. This simplification results in a more user-friendly scale that still captures meaningful differences in the construct.

To sustain this and to consider the differences in the categories that had to be combined across the subscales, redefining the categories to have wider substantive meaning may be indicated. We recommend redefining the new categories to express a clearer meaning for ease of agreeability and endorsement.

Combining and renaming the categories in this way would provide patients with ease of understanding and response, thereby reducing the noise associated with many categories, minimising response biases and addressing floor and ceiling effects. As a result, the revised scale may be more sensitive to changes in the underlying construct and more consistently understood by patients.

#### 3.4.5.2 Addition of Items and Subscale Length

Varying levels of abilities among participants - both higher and lower - are not fully captured by the current EASE-F subscale items, indicating the need for additional items at both ends of the scale. For consistent and simple subscale scoring and a reliable total score, an equal number of items across all scales is recommended, necessitating the addition of 2-4 items to the SS, SA, and IIB subscales.

In particular, the self-awareness/assertiveness scale displayed a significant number of misfitting items, even after attempts at refinement. This underlines the urgent need for a comprehensive revision of this scale. When assessing assertiveness, items prompting patients to contemplate and respond to specific situations could be easier for them to endorse. Conversely, items querying self-awareness and (assertiveness, by extension) could prove more challenging. Incorporating items that evaluate patients' ability to recognise and express their needs and feelings might provide a more intuitive measure of assertiveness for this patient group that captures those patients who have adopted or improved this as a means of coping and managing their illness.

#### 3.4.5.3 Rewording of items

Due to the overlap and grouping of items identified in the SA and IIB scales, rewording these to create items easier or more difficult for FNSD patients to endorse would expand the measurement of item difficulty and fill the gaps in these scales. This procedure of removing redundant items and filling gaps with items would improve the measurement function of the instrument without increasing the number of items on the instrument.

### 3.4.6 Strengths and Limitations

A primary strength of the present study lies in its use of a modern test theory approach, namely Rasch analysis, to analyse the psychometric properties of the EASE-F. The relatively large sample size of 450 patients with FNSD enhanced the study's statistical power, allowing for a more precise estimation of the questionnaire's psychometric properties and increasing the likelihood of detecting significant relationships and differences among the measured constructs and confident conclusions from the study. The larger sample size also improves the generalisability of the findings. This is particularly important in the context of refining the EASE-F questionnaire, given that the goal was to develop a reliable and valid instrument that can accurately measure constructs in the diverse settings and presentations of FNSD. Pertinent to the methods of analysis used in the present study, the larger sample size was beneficial to provide a more accurate representation of the full range of patient experiences and abilities, enabling the identification of potential gaps, redundancies, or inconsistencies in the questionnaire. This ultimately supported the development of a more targeted and comprehensive measurement tool.

Moreover, the study was based on a sample of individuals with FNSD before receiving any therapeutic intervention, using data collected from real-world health services in routine practice, thereby reducing the probability of bias. Methodologically, the inclusion of analysis of psychometric properties for both the original EASE-F and modified versions, which excluded misfitting items and misfitting persons, and included a revised response scale, facilitated direct comparisons between the iterated versions. The half-half split validation design enabled this study to conduct exploratory factor analysis and confirmatory analysis in different patient samples.

Several limitations need to be considered when interpreting the findings of this study. First, the generalisability and representation of the patient group may be limited due to selection bias arising from neurologist referrals to the psychotherapy service, which could result in a sample that is not fully representative of the FNSD population. Secondly, due to the lack of post-therapy data, the sensitivity of the measures to therapy effects could not be evaluated. Furthermore, the study lacked detailed descriptors of FNSD symptom burden for subgroup analysis, which may be particularly relevant for the EASE-F questionnaire. This limitation could potentially impact understanding specific aspects of FNSD that may be responsive to intervention.

The study might have also benefitted from patient and public involvement (PPI) to refine the EASE-F. Engaging the target population in developing and validating instruments to measure patient-reported outcomes is essential, particularly for conditions like FNSD, where the evidence base is rapidly evolving, and issues such as stigma and limited exposure or education about the condition are commonly reported. Future research should consider and address these limitations to strengthen the evidence base for FNSD assessment.

### 3.4.7 Clinical and Research Implications

The EASE-F was designed to measure patient ratings of their self-efficacy, self-awareness/assertiveness, the impact of illness on interpersonal relationships and the level of social support in patients with FNSD. The proposed recommendations for a summed score would yield an overall estimate of the extent (conceptualised in terms of self-reported endorsement) to which the individual utilises or experiences these constructs to cope with their illness. Since resource-based constructs form an essential aspect of psychotherapy for these patients, it is vital to be able to assess baseline levels or deficits in patients. The EASE-F has shown to be a promising instrument in this respect and should constitute a useful supplement to existing health state and HRQOL instruments. It is especially useful when an appreciation of resourcefulness and individualised care is attached to treatment planning and targeting in this patient group. As such, it might be valuable for screening and guidance purposes in particular psychotherapeutic interventions and research contexts.

Following repeated measure analysis, the EASE-F could be used for longitudinal monitoring wherein regular administration of the measure could help to track changes in patients' social support, self-efficacy, self-awareness, assertiveness, and illness burdens over time or following intervention. This can help identify areas of improvement and detect potential setbacks or barriers to progress, allowing for timely adjustments to intervention plans.

### 3.4.8 Further Research

#### 3.4.8.1 Qualitative study

Qualitative research methods are the most appropriate means to develop hypotheses about the interaction of such subjective concepts (Tenny et al., 2022). The original EASE was formulated from the qualitative study of patients with seizure disorders. Continuing work in the EASE-F would benefit from qualitative input from FNSD patient groups at each stage of further refinement and validation. Assessing indicators such as the perceived ease of understanding, interest, balance and fairness of the questionnaire items and subscales would shed light on the EASE-F acceptability in the relevant patient group and highlight further areas for improvement. This may be particularly useful in revising or adding items in the subscales.

#### 3.4.8.2 Subgroup analysis

Although the present study did not find any significant DIF regarding sex, further subgroup analysis relevant to the measures of study, e.g., marital status and social support indices or age group on the subscales, could shed some light on subgroups of patients that have difficulty with self-management resources and therefore may require more targeted therapeutic focus.

#### 3.4.8.3 Sensitivity to change

Further study, including tests of the EASE-F's potential for measuring change and its test-retest stability, is pertinent to assessing outcomes and enabling the EASE-F's relevance in clinical or research purposes that demand repeated measurements.

#### 3.4.8.4 Scoring validation

Validation analysis of further revisions of the EASE-F subscale, including subscale and total scores, will be required in a different FNSD sample.

### 3.4.9 Conclusion

The findings of this study indicate that the original 37-item EASE-F successfully captures clinically relevant constructs of self-efficacy, self-awareness/assertiveness, interpersonal illness burden, and social support in FNSD. However, the measure required some refinement to reliably assess these traits based on the items' difficulty and the patient's abilities, as modelled by Rasch analyses. The EASE-F has the potential for reliable evaluation of these constructs in clinical and research settings, thereby aiding in identifying patients exhibiting specific deficits and enabling personalised intervention strategies. Despite these encouraging results, the EASE-F requires further refinement and validation, particularly in scoring and subgroup analyses. This study offers suggestions for future improvements to the instrument and discusses its prospective application in clinical practice and research as an FNSD outcome measure.

# 4.0 Urgent and Emergency Care Utilisation in patients with Functional Neurological Symptom Disorder

## 4.1. Introduction

High-impact users (HIUs) or frequent attenders describe those patients who frequently attend urgent and emergency health care services and hospital emergency departments (EDs) five or more times within a year (Summary of Recommendations, n.d.). These individuals usually have complex medical conditions, frequently use several different health and social care services, including hospital admissions, and experience higher mortality rates (Greenfield et al., 2020; Krieg et al., 2016; Moe et al., 2017; NHS England ; NHS England. 2017-2019; 2018/2019).

### 4.1.1 Emergency/Urgent Care Services Use in FNSD

Functional symptoms at onset or recurrent and fluctuating symptoms such as Functional Seizures (FS) or functional hemiparesis commonly lead to emergency service involvement (J. R. Anderson et al., 2019; Merkler et al., 2016; Reuber, Pukrop, Mitchell, et al., 2003), and much evidence suggests that, as a group, patients with FNSD are particularly high users of emergency or urgent care services (Gallagher et al., 2013; Merkler et al., 2016; Perez & LaFrance Jr., 2016), due to the severity and acuity of their symptoms, unsuccessful outpatient management, and limited healthcare provider knowledge and poor access to alternative sources of medical advice on FNSD. In the UK, emergency and urgent care services include non-emergency helplines (e.g., 111 service in the UK), ambulance services, and Accident and Emergency (A&E) department attendances. For instance, a UK-based audit of functional emergencies in one Emergency Department (ED) suggested that 8.1% of seizure presentations (n=1,242) to the ED were related to FS and that 43% of these patients had attended the ED more than once in the space of one year (Fitzsimmon et al., 2017). Different FNSD presentations have also been associated with higher repeat emergency visit rates than those with superficially similar other neurological or medical symptoms (Merkler et al., 2016; Perez & LaFrance Jr., 2016).

Patients with FNSD may present acutely to emergency services with any complaint, e.g., angina, acute abdominal pain, tonsillitis, or brain tumour. Somatic and dissociative complaints such as weakness, pain, fatigue, sensory disturbances, memory loss, depersonalisation, and derealisation are also common (American Psychiatric Association, 2013; R. J. Brown & Reuber, 2016a). These symptoms can be distressing and disabling, leading patients to seek urgent medical attention. However, in the absence of objective clinical abnormalities or abnormal findings after investigation, the causation of these complaints is often not explicitly discussed. It can often misdiagnose or confuse patients about the nature of their symptoms (A. Carson et al., 2011; Stone et al., 2011). This can lead to frustration, helplessness, and stigmatisation among FNSD patients, further perpetuating their reliance on emergency services.

### 4.1.2 Prevalence statistics

The prevalence of FNSD in emergency departments (ED) is reported to range from 0.4% to 4% (Stephen et al., 2021; Williams et al., 2001). FNSD patients constitute about 9% of all acute neurological admissions (Beharry et al., 2021). Furthermore, FS account for approximately 10% of all seizures in the ED (Dickson et al., 2017). Up to one-third of patients with FS may develop functional status epilepticus, frequently accompanied by ED visits (Reuber, Pukrop, Mitchell, et al., 2003). In cases presenting with stroke-like, acute onset motor or sensory symptoms, up to 25% turn out to have been due to stroke mimics, with roughly 8% of these mimics involving functional neurological symptoms (Barsky et al., 2005; Jones et al., 2020; Popkirov et al., 2020).

### 4.1.3 Mis-/ lack of diagnosis

Diagnosing and managing FNSD in emergency care settings can be challenging for several reasons. In an acute setting, clinicians may struggle to differentiate FNSD from alternative disorders, potentially leading to misdiagnosis and delayed or inappropriate treatment (Dickson et al., 2017; Finkelstein et al., 2021; Stephen et al., 2021). Delays in the rapid treatment of a neurological emergency could cause permanent brain damage or even death. Additionally, the time constraints and resource limitations typically associated with emergency care settings may further hinder the proper assessment and management of patients with FNSD (J. R. Anderson et al., 2019; Russell et al., 2022). Moeller et al. (2008) found that functional disorders were the leading cause of misdiagnosis in neurological presentations within the ED.

These patients often have a high return rate to healthcare services resulting in sustained increased healthcare use and costs even when the correct diagnosis of FND has been made (Barsky et al., 2005; Merkler et al., 2016). However, a shorter time from symptom onset to diagnosis has been demonstrated as an important positive prognostic factor (Gelauff et al., 2014), highlighting the importance of better identification of these patients in an acute care setting.

Various studies have reported the prevalence of FNSD misdiagnosis for other neurological disorders (and notably, the reverse) or delayed diagnosis in acute settings (Dworetzky et al., 2015; Jungilligens et al., 2021; Mezouar et al., 2021; Walzl et al., 2022). 25% of patients presenting with refractory status epilepticus requiring intensive care unit (ICU) admission were found to ultimately have functional seizures rather than epilepsy (M. C. Walker et al., 1996). To effectively manage suspected FNSD in the ED, it is necessary to disclose the possible/likely diagnosis, avoid unnecessary investigations, prevent iatrogenic harm, and refer the patient for appropriate follow-up treatment (Stone & Carson, 2015). Instead, initial misdiagnoses in emergency settings are often compounded by referrals for inappropriate investigations, delaying treatment and increasing disability (Espay et al., 2009).

### 4.1.4 Mistreatment

While patients with functional disorders are also heavy users of other healthcare services (Gallagher et al., 2013; Reid et al., 2002; Stone et al., 2010), and their use of emergency services is particularly problematic as it is associated with a particularly high risk of iatrogenic injury. Reuber et al. (2003) reported that 27% of FS patients were admitted to ICU with refractory seizures, while in another study, 78.6% of patients with only FS were treated inappropriately with antiepileptic drugs (Reuber, Pukrop, Mitchell, et al., 2003). The mistreatment of misdiagnosed prolonged FS as status epilepticus in an emergency setting has been reported to even cause death (Reuber et al., 2004).

### 4.1.5 Lack of specialist treatment

Access to specialist treatment for FNSD is often limited by the geographically patchy coverage and limited capacity of existing services (A. Carson et al., 2011; Stone et al., 2011). Healthcare professionals with expertise in FNSD are scarce, which can contribute to the inadequate management of the disorder and increased healthcare costs (Espay, Aybek, et al., 2018).

Furthermore, the acute setting rarely addresses psychiatric or psychological factors contributing to emergency service use (Cock & Edwards, 2018), and the repeated involvement of emergency services often exacerbate functional disorders (Page & Wessely, 2003). As such, the high costs associated with emergency care use by patients with functional disorders should be of considerable concern (Barsky et al., 2005; Cock & Edwards, 2018).

### 4.1.6 Financial Implications

Quantifying the health care costs associated with FNSDs is difficult, especially considering the poor coding and complexities of the disorder and the substantial delays to diagnosis. Several studies have investigated the costs of conditions associated with or overlapping with FNSDs, such as somatisation (functional somatic symptoms involving multiple or other organ systems) (Konnopka et al., 2012). Somatisation is estimated to cost the UK economy £18 billion per year (Bermingham et al., 2010), of which inpatient stays account for more than £600 million per year (Bermingham et al., 2010).

In 2017, the cost of ED treatment for approximately 40,000 adults and children with FNSD in a population of around 130 million US citizens reached $163 million, compared to $135 million for refractory epilepsy (Stephen et al., 2021).This heightened utilisation strains emergency services and has implications for the quality of care these patients receive.

### 4.1.7 Treatment-Related Change

Disorder-adapted therapies such as cognitive-behavioural and psychodynamic-based therapies are believed to be helpful in a proportion of patients with FNSD, particularly in subpopulations of FNSD, such as those with dissociative seizures or functional movement disorders (Goldstein et al., 2010; LaFrance Jr & Friedman, 2009).

A study of patients with FS (n=42) suggested that such interventions can impact healthcare utilisation and costs: comparing the 24-month pre-psychotherapy treatment healthcare costs with the 24-month post-treatment costs suggested that costs directly associated with seizures dropped by 95.8% and total healthcare costs were reduced by 63% (Deleuran et al., 2019).

The neurology service at Sheffield Teaching Hospitals (STH) NHS Foundation Trust has access to a psychotherapy service for patients with FNSD from South Yorkshire. Previous service evaluations suggest that treatment provided by this service can reduce functional symptoms and the number of primary care consultations (Mayor et al., 2010; Reuber, Burness, et al., 2007). A positive long-term impact on health has been demonstrated (Campbell et al., 2013; Castelnuovo, 2010; Dezetter et al., 2013; Emmelkamp et al., 2014; Mukuria et al., 2013), and consequently, an estimation of the long-term clinical and economic benefits of psychotherapy, have led to believe that this treatment is relatively inexpensive and cost-effective (Layard & Clark, 2015).

Considering the growing demand for emergency services across the UK, there is an increased need to understand how emergency and urgent care services function. The Centre for Urgent and Emergency Care Research (CUREd) in Sheffield manages a unique research database that provides an overview of how patients flow through the services and facilitates the planning of future service developments. The anonymous database was developed as part of the Connected Health Cities (CHC) programme. The database collates routine NHS patient data from hospitals and emergency and urgent care services across Yorkshire and the Humber region from 2011 to 2017. These include the Yorkshire Ambulance Service, NHS111, acute NHS trusts, and other health service providers. The database comprises over 15 million patient episodes in emergency care services. This rich database allowed the present study to explore emergency service utilisation in FNSD patients across an entire region (CUREd, 2020).

Given that the service in Sheffield treats over 200 patients per year, the CHC research database provides an opportunity to examine the effects of psychotherapy for patients with FNSD and FS on aspects of emergency care use in a large cohort. It offers the chance to explore treatment-related change and the cost-effectiveness of psychotherapeutic interventions in these patients.

A tailored health service for FNSD may reduce emergency care utilisation by this patient group, lowering total healthcare costs. In a resource-constrained health service, the survival and further expansion of the local psychotherapy service and other similar services depend on successfully demonstrating treatment-associated improvements.

### 4.1.8 Emergency Service Use as an Outcome Measure

Although patients with FNSDs have previously been reported to be high users of emergency care services, the nature and extent of use and how these change with specialised intervention for this group is yet to be explored. Investigations may offer insight into moderators of use and whether changes in utilisation patterns can be used as a viable marker of health in FNSD and indicate clinically meaningful change. Investigations may also help manage FNSDs, allocate resources to improve QOL and reduce health-associated costs to society/NHS.

### 4.1.9 Time Series Analysis

Thorough evaluations form the foundation of evidence-based healthcare. While randomised controlled trials (RCTs) are deemed the gold standard for assessing an intervention's causal effect, they do have limitations. These include high costs, ethical concerns, or impracticalities to conduct (Black, 1996; Grimshaw et al., 2000; Kontopantelis et al., 2015). Quasi-experimental research does not use randomisation and often utilises pre- and post-intervention data, offering an alternative or complementary approach. Among the various quasi-experimental designs, Interrupted Time Series (ITS) stand out as a particularly robust approach (Hudson et al., 2019).

An ITS primarily aims to determine whether the post-intervention data pattern differs from the pre-intervention pattern. A range of effect estimates describes the impact of the intervention. For example, a level change corresponds to the intervention's immediate impact. A change in slope will indicate the difference between the post-and pre-intervention trends or 'slopes' (Ramsay et al., 2003). In this study, an interrupted time series analysis evaluated the impact of psychotherapy intervention on the frequency of emergency service contacts (111 calls, ambulance, Accident and Emergency, and Admitted Patient Care).

### 4.1.10 Research Study

#### 4.1.10.1 Research Aim

This project aimed to explore whether individualised psychotherapy (as provided by the neuro-psychotherapy team at Sheffield Teaching Hospitals NHS Foundation Trust) influences patients' utilisation of emergency service resources and to determine whether emergency service use may be used as a measure of clinical change.

A secondary aim was to describe the utilisation of emergency services by FNSD patients compared to the frequencies of use in the general population.

#### 4.1.10.2 Research Questions

The research questions are:

1. How does the rate and level of emergency service use among patients with FNSD change after a specialised intervention?
2. How does emergency service utilisation differ between FNSD patients and the general population?
3. Can emergency service use be an outcome measure for treatment-related change in FNSD?
4. Do the emergency care utilisation data suggest that psychotherapy may be cost-effective?

## 4.2 Methods

### 4.2.1 Summary

A one-group interrupted time series design was used to analyse the effects of a psychotherapeutic intervention on emergency health service use among pwFNSD in a longitudinal observational study.

Additionally, a nested descriptive analysis of a cohort subgroup used age- and sex- standardised rates to compare FNSD urgent and emergency health (UEC) care usage with that of the general population.

### 4.2.2 Data sources

#### 4.2.2.1 The Centre for Urgent and Emergency Care research database (CUREd)

A dataset extracted from the Connected Health Cities (CHC): Data linkage of Urgent Care Data" study held in the University of Sheffield Centre for Urgent and Emergency Care research database (CUREd) (CURE Projects: ScHARR, University of Sheffield; Mason et al., 2022) was utilised in this study. The CUREd database comprises routinely collected record-level patient data related to calls to the NHS 111 telephone service; emergency ambulance incidents; Accident and Emergency (A&E) department attendances, and emergency admissions to hospital. The unique database contains over 23 million patient episodes of care between April 2011 and March 2017 in the Yorkshire and Humber region.

NHS 111 calls

The dataset for calls made to the NHS 111 (111) phone service, operated by the Yorkshire Ambulance Service NHS Trust (YAS), covers the region of Yorkshire and Humber. The data includes details related to the caller's demographics and the call triage outcomes recorded during the call. The dataset spans from April 2013 to March 2017 and has 4,789,273 distinct NHS 111 calls.

Emergency Ambulance Service

The emergency ambulance service (AMB) dataset comprises every emergency call incident managed by YAS documented from April 2012 to March 2017, including 4,382,835 individual ambulance incidents.

Accident and Emergency Department

Patient-level activity from Accident & Emergency (A&E) departments, Urgent Care Centres, and Minor Injury Units of acute NHS hospital trusts across Yorkshire and Humber are captured in the A&E dataset. These data, primarily derived from items from the national Commissioning Data Set (CDS), are generated by patient administration systems within each Trust. Data are available from April 2011 to March 2017, accounting for approximately 9.8 million distinct attendances.

Admitted Patient Care

The Admitted Patient Care (APC) dataset records emergency admissions to acute hospital trusts in Yorkshire and Humber. These include patient records for care under each responsible healthcare professional at all acute hospital trusts in Yorkshire and Humber due to an emergency admission to that hospital, specifically items mandated by the National Commissioning Data Set (CDS). Patient administration systems within each Trust generate these data. The data set comprises 4,586,889 episodes between April 2011 and March 2017.

#### 4.2.2.2 Sheffield Teaching Hospitals Neurology Psychotherapy patient database

The CUREd dataset extract was linked to a dataset extracted from the STH Specialist Neurology Psychotherapy patient database using a common patient identifier. This Psychotherapy database comprised routinely collected data from all patients entering the service after triage and starting specialist neurology psychotherapy from April 2012. Data relating to patient demographics, and clinical and healthcare data such as therapy start and end dates, number of sessions and outcomes are captured in this database. With its development over the years, the psychotherapy service and database have utilised various clinical and outcome measures. As the Neurology Psychotherapy services district general hospitals in Sheffield and the immediate surrounding areas within the South Yorkshire county, the CUREd database fully encompasses the regions served by the STH Neurology service.

#### 4.2.2.3 Office for National Statistics Population estimates

General population/reference population data were obtained from the Office for National Statistics website, using the Clinical Commissioning group population estimates datasets. (Clinical Commissioning Group Population Estimates (National Statistics) - Office for National Statistics)

### 4.2.3 Data linkage

This study linked data from a Neurology psychotherapy service evaluation, capturing demographic and clinical information from the patients accessing the service, within Sheffield Teaching Hospitals NHS Foundation Trust, with data from the emergency care utilisation (CUREd research) database held by the University of Sheffield (UoS). The CUREd database has approval from the Leeds East REC National Health Service (NHS) Research and Ethics Committee, overseen by the NHS Health Research Authority's Research Ethics Service (18/CAG/0234). The NHS Health Research Authority (HRA) provided approval for English health and care providers to supply identifiable patient health and social care data to the study without patient consent for patients of emergency and urgent care services in Yorkshire and Humber (18/CAG/0126, previously 17/CAG/0024).

STH pseudonymised the data extracted from the FNSD database for the data merger with person-level CUREd data. This involved hashing the patients' identifying information (NHS Numbers) using a specific algorithm and hash key (salt) shared between the CUREd team and STH. There was also a removal or "rounding" of any other direct identifiers (e.g., remove all names; "round" date of birth/death to year and month only). The process was carried out in-house by STH's Scientific Computing group. STH supplied the pseudonymised data to UoS, which was loaded into the CUREd Research Database on the analysis data side of a "Chinese Wall". UoS similarly hashed the data they held in the identifiable side of the "Chinese Wall". They provisioned the pseudonymised data to the analysis data side of the "Chinese Wall" to facilitate a lookup between the hashed NHS Number and the CUREd databases' pseudonymised patient identifiers. This process did not allow UoS to reverse the pseudonymisation applied by STH. Subsequently, the data in the CUREd database relating to the cohort identified in the FNSD data was extracted. UoS maintained the "Chinese Wall" described above and did not seek to re-identify the patients in the cohort supplied by STH.

### 4.2.4 Extracted Data

The data used in the study comprised de-identified linked data extracted from the CUREd and SNP databases. This study utilised two sub-cohorts captured within the linked dataset: one for a cross-sectional analysis and another for a longitudinal analysis.

Specialist Neurology Psychotherapy patient database

Data extracted from the psychotherapy database was based on access to the service between April 2012 and March 2016. At this time, there was limited available data on patient outcomes. Extracted data for each case included their age, sex, and place of residence (postcode). Extracted healthcare data comprised of first and last therapy session dates, the number of months of therapy and the number of therapy sessions. Psychotherapy opt-in questionnaire data was not extracted as questionnaires changed during the 2012 to 2016 recruitment period (although all patients completed a baseline questionnaire).

Using patient postcodes at the time of registration with the services, corresponding Lower layer Super Output Areas (LSOAs) were used to calculate the Index of Multiple Deprivation (IMD) deciles. IMD data were based on the 2015 English Indexes of Deprivation, which classifies postcodes of current residence into IMD deciles (English Indices of Deprivation 2015 - GOV.UK).

CUREd database

The extracted CUREd dataset for our study comprised annual data for the different types of UEC services; this was 2011-2017 for A&E and APC data, 2012-2017 for AMB data and 2013-2017 for 111 data.

The specific data obtained for each of the UEC services comprised:

1. For 111 contacts: Age at presentation, recommended care/referral, final disposition.
2. For A&E, AMB: Age at presentation, urgency level of calls/contact, arrival mode, attendance category, final destination, and first and secondary investigations/procedures.
3. For APC: Age at presentation, administrative category, method and source of admission, primary diagnosis, and operative procedures.

All captured UEC usage in the CHC CUREd database catchment area (i.e., Yorkshire and Humber) for each study cohort, regardless of patients' location of residence (within South Yorkshire), were used for analysis. However, any UEC usage of the South Yorkshire-based FNSD patients during the examined period but outside the CHC geographic area (for instance, while people were on holiday or working elsewhere) was not captured and would therefore be missing.

Reference population

To compare UEC service usage rates, we estimated the size and demographic structure of the (general) population from which the observed sample of FNSD patients was drawn. To do this, age- and sex-stratified ONS population estimates for corresponding years to the FNSD cohort for the areas covered by the Sheffield CCG were obtained.

### 4.2.5 Ethics and Permissions

This project received STH local approval as a service evaluation. According to the UK Policy Framework for Health and Social Care Research, patients do not have to consent to service evaluations involving anonymised information captured during routine clinical care. The pre-existing secondary data utilised in this project was only accessible by a sole database manager within the external CHC team who completed the merge and the research team at STH (the data controller). Data handling in this project complied with the Data Protection Act, STH's Data Protection Policy, General Data Protection Regulation (GDPR, 2018) and the STH Transferring Personal Identifiable Data Policy.

### 4.2.6 Research Study Design

#### 4.2.6.1 Cross-sectional Analysis – UEC service use rates in FNSD vs General Population

A cross-sectional analysis of standardised emergency service rates (Accident and Emergency, and NHS 111 only) was conducted, comparing usage rates between the FNSD and the general population.

Analysis cohort

Consecutive patients with a neurologist-confirmed diagnosis of FNSD, seen by the STH neurology psychotherapy service between 1st April 2012 and 31st March 2016, were identified from the Neurology psychotherapy patient database and linked to the CUREd UEC database. Data from patients who received at least one psychotherapy session within the recruitment period dates were included in the study. This cohort analysis utilised a subset of FNSD psychotherapy patients (Sheffield-based patients only) to compare standardised rates of UEC service use with the general population. Service users located within the Sheffield Clinical Commissioning group area were identified using their home postcodes at the time of registering with the service and included in comparison with the general population in the same geographical area. We excluded patients with home addresses in areas covered by the Doncaster NHS, Bassetlaw NHS, Barnsley NHS, Rotherham NHS, North Derbyshire, and Derbyshire NHS CCGs who lived within the psychotherapy service catchment area but for whom matching CUREd data for the general population was not available or would have been more challenging to match geographically. Emergency use rates for the general population were calculated using secondary data output from another study using data from the CUREd research database. Age- and sex-stratified counts of contacts for A&E, APC, and AMB services in the general population in Sheffield CCG (also obtained from the CUREd database) were obtained from a study by Lewis et al. (2023) assessing data from 2013-2016. Thus, this analysis utilised attendances between April 2013 and March 2015, where data were complete for the patient and general populations in A&E, NHS111 and ambulance services. The general population cohort, therefore, comprised an estimation of the people living in the areas served by the Sheffield NHS CCG between 2013 and 2015 (n=350). The emergency use data for this analysis does not consider the timing of therapy in the patient cohort - some patients would have been post-therapy in 2013-2015, and others would have been in pre-therapy at this time.

Measures

The primary outcome measures for this cross-sectional analysis were:

1. The age- and sex-standardised rate of UEC service usage for pwFNSD and the general population between 2013 and 2015.
2. The age- and sex-standardised proportion of UEC service users for pwFNSD and the general population between 2013 and 2015.
3. The age- and sex-standardised rate ratios of UEC service use between pwFNSD and the general population during 2013 - 2015.

Analysis

*Age and Sex Stratification:*

To account for variation in emergency use rate or proportion by age and sex, rates were calculated for each age-sex category. These stratified rates were defined as the number of events or individual contacts in the age-sex group per 1,000 population in the observed 3-year period. Age strata of 10-year intervals from age 15 up to 75+ were used to keep as close as possible to WHO standards while allowing viable sample sizes for each age/sex category.

*Rates of UEC in FNSD and general populations:*

The indirectly standardised event rate (ISR) is the event rate expected in a study population if a reference population's age- and sex-specific rates had applied (Naing, 2000). In the present study, standardised rates for the FNSD cohort were indirectly calculated using the ONS general population estimates for the Sheffield CCG area in the study period as the reference population (*Clinical Commissioning Group Population Estimates (National Statistics) - Office for National Statistics*, n.d.). The indirect method of standardisation was deemed appropriate to minimise the effects of sampling error due to the smaller sample size in the FNSD population compared with the general population and the few numbers of events in some of the age-sex categories (Tripepi et al., 2010).

Standardised rates and proportions of use for each UEC service were calculated. Crude rates were calculated using the formula:

Rates were subsequently transformed to 1000 person-years for comparison.

Crude proportions were calculated using the formula:

The proportion was reported per 1000 population.

The standardised rate ratio (SRR) is the ratio of the number of events observed in the FNSD cohort to the number expected if the general population's age-specific rates had been applied. An SRR for FNSD relative to the general population was obtained for each UEC service using the formula:

All rates, proportions and ratios were reported with 95% confidence intervals.

Standardised rates and proportions were calculated as cross-sectional figures for the study period.

#### 4.2.6.2 Longitudinal Analysis – Pre and post-therapy Rates of Emergency Service Use

Cohorts

Consecutive patients with a neurologist-confirmed diagnosis of FNSD, seen by the STH neurology psychotherapy service between 1st April 2012 and 31st March 2016, were identified from a clinical psychotherapy patient database and linked to the CUREd UEC database. Data from patients who received at least one psychotherapy session within the recruitment period dates were included in the study.

For the longitudinal comparison, we intended to compare emergency service usage over 1.5 years before psychotherapy with use over 1.5 years after psychotherapy. This means that we were only able to include patients from the FNSD psychotherapy cohort on whom a minimum of 1.5 years of usage data before the start and after the completion of psychotherapy were available. The CUREd database contained AMB and APC data from October 2011 to 2017, APC data from October 2012 to 2017 and 111 data from October 2013 to 2017. While the total size of the Sheffield FNSD cohort from 2012 to 2016 was 705 patients, due to varying lengths of available UEC service data and individual patients' psychotherapy sessions, the number of patients for whom pre- and post-treatment data was available for the minimum 1.5-year data capture period varied between the different emergency services.

Intervention

The Specialist Psychotherapy service is part of the STH Neurology department, which provides neurology services to the adult population of South Yorkshire and parts of Northern Derbyshire, Nottinghamshire and Lincolnshire, a population of approximately 1.39 million people. Although the service has undergone several changes in service delivery, this section describes the service at the time of data collection for this study (2012-2016). The psychotherapy team at this time comprised six psychotherapists overseen by a psychotherapy manager. However, comprehensive care often required multi-disciplinary collaboration with practitioners in other health disciplines, including neurologists, physiotherapists, and occupational therapists, to achieve the best patient outcomes. Consultant Neurologists working in the STH Neurology Department referred eligible patients with an FNSD diagnosis wishing to take up the offer of psychotherapy to the service.

The exclusion criteria for patients' acceptance by the STH Neurology psychotherapy service during the period 2012-2016 were:

1. Serious and ongoing psychiatric issues that require advice from a psychiatrist.
2. Currently suicidal patients (ongoing attempts/plans, persistent urges or patients who have attempted suicide within the preceding year).
3. Current recipient of psychotherapy elsewhere.
4. Recipient of two previous episodes of treatment from the service.
5. Alcohol- or opiate-dependency.

The service was not open to direct referrals from emergency departments or primary care. It was exclusively for patients under the ongoing care of a neurologist at STH (although these patients would initially have been referred to neurologists from General Practice or the Emergency department).

After referral to the service, patients would have received an appointment for an hour-long semi-structured interview in which they and the therapist would have determined whether therapy would be helpful and acceptable. At this initial assessment, patients may also have been directed to self-help resources to help them while waiting for their individualised therapy. Patients found to be unsuitable for psychotherapy at STH would have been signposted to other service providers at this assessment. Those patients found suitable for therapy were placed on a waiting list for one-to-one treatment. From 2012 to 2016, the waiting time for psychotherapy at STH after the initial assessment was approximately 2 to 5 months.

Once regular psychotherapy started, patients would have been offered a maximum of 20 sessions. However, this upper limit was managed flexibly, and the number of sessions provided would have depended on the patient's needs. Each session was 50 minutes long. Four to six initial sessions would have been confirmed before a collaborative progress review was required before further sessions could go ahead. Considerations at the review would have included the extent of engagement with therapy, the progression and potential of therapy (e.g., the development of therapeutic alliance, patient understanding and acceptance of diagnosis, information being retained and built on from session to session), any risk posed by therapy (e.g. if the patient is experiencing it as overwhelming or destabilising) and any new information that may have emerged, (e.g., dependence on drugs or alcohol, evidence of psychosis requiring psychiatric assessment).

After the review, if continuing treatment was deemed beneficial, another four to six sessions or a final session would have been planned to end therapy and to prepare for discharge at the end of 20 sessions. This process was designed to allow the work to deepen as patients were reassured by knowing that they would be guaranteed to have a certain amount of time to explore and process any issues that were tackled. In other cases, therapy would continue to be reviewed every four to six weeks. The patient and therapist might have agreed that discharge was appropriate at any point. Discharge was often decided with at least one further session booked to end therapy. However, patients were free to discharge themselves at any point.

The studied FNSD population spent a median of 8 (range 1 – 47) sessions in psychotherapy over a median of 7 (range 0 - 36) months.

*Therapeutic Approach and Treatment Formulation:*

Therapists in the department approach the treatment of FNSD using different psychotherapeutic models and are trained in diverse modalities. All approaches employ integrative therapeutic models, shaped by pragmatically incorporating therapeutic techniques and broader evidence-based psychotherapeutic strategies. One-to-one psychotherapy is the mainstay technique of the service, providing a tailored approach to individual patients. Patients work collaboratively with therapists to rebuild confidence and develop strategies to cope with difficult areas of functioning, understand their symptoms, and learn how to manage them.

The impact of predisposing, precipitating and perpetuating factors of the patient's functional symptoms, including adverse life experiences, are considered in treatment formulation. The therapeutic approach is guided by human growth and personality theories, notably attachment theory. It frequently utilises trauma-focused techniques such as those developed by Ogden (Ogden et al., n.d.), Pace (*Lifespan Integration, Connecting Ego States through Time - Lifespan Integration*, n.d.), and Rothschild (Rothschild, 2000). FNSD embodies a complex interaction of physical, emotional, and cognitive dysfunction, so the treatment strategy integrates somatic-focused work, emotional processing, and cognitive modification. This is facilitated by a shared ethos of working in a person-centred, integrative manner, working relationally with patients and developing a therapeutic alliance, based on the extensive local experience with FNSD patients since 2002.

Measures

The primary measure of this study was a treatment-related change among FNSD patients. UEC service use was defined as NHS 111 calls, A&E attendances (A&E was defined as Type 1 A&E department with consultant-led 24-hour services with full resuscitation facilities and designated accommodation for the reception of accident and emergency patients), ambulance callouts and APC following an emergency admission.

The primary measures comprised:

1. The number of contacts (rate) with each of the four services for pwFNSD before and after the start of their psychotherapy.
2. The number of pwFNSD (proportion) making at least one contact with each of the four services pwFNSD before and after the start of their psychotherapy.
3. Rate and proportion ratios of the pwFNSD accessing the four UEC services before and after therapy.
4. The psychotherapy intervention's effect size (slope and level change) on ECU rates in FNSD.

The following features were compared between the pre-and post-therapy periods for FNSD patients.

*NHS 111 calls:*

* Whether a call back was required
* Whether the patient was recommended to attend A&E
* Whether an ambulance was sent for the patient
* Whether the patient was recommended to contact primary care services
* Whether the patient was recommended to self-care
* Whether the patient received a different recommendation

*Ambulance callouts:*

* Whether the call was categorised as high urgency ('red' or 'purple' categories) [25]

*A&E attendances:*

* Whether the patient arrived by ambulance.
* Whether the patient was subsequently admitted to a hospital bed or became a lodged patient of the same health care provider.
* Whether the patient was discharged to primary care.
* Whether the patient required any follow-up.

*Inpatient spells:*

* Whether the patient experienced a stay of seven nights or more (based on the difference between the discharge and admission dates).

Analysis

*Rates of UEC before and after therapy:*

Rates and proportion of FNSD UEC usage were calculated and reported for before-therapy and after-therapy. Crude proportions (per 1000 population), pre-and post-therapy rates (per 1000 person-years), rate ratios and their 95% CIs were reported.

*Trend of UEC usage before and after therapy:*

A one-group interrupted time series design was used to analyse the effects of a psychotherapeutic intervention on emergency service use among pwFNSD. The data was organised into a time series, with data points on the number of emergency visits, the time of the visits, and the time since the intervention. Raw UEC data were transformed to create an aggregated sum of event data points per 3-month period across all study subjects for two years before and after their therapy (+/-8 quarterly cohorts).

Given the count nature of the data and the presence of overdispersion, a Negative Binomial (NB) Regression model rather than a Poisson regression model was applied to the analysis. Overdispersion violates the assumption of equidispersion in Poisson regression. The dependent variable in the model was the rate of 111 events per 1000 person-quarters. Three independent variables were considered: analysis time, intervention, and time since treatment. As above, rates were calculated per quarter for one and a half years before and after therapy and inputted into a segmented NB regression with the entire duration of psychotherapy as the interruption point. Estimates of the regression coefficients were obtained using the method of Maximum Likelihood Estimation. The significance of each coefficient was assessed using z-tests, with p-values less than 0.05 considered statistically significant. Model fit was evaluated by comparing the residual deviance with the null deviance. A lower residual deviance relative to the null deviance indicates a better-fitting model.

*Features of UEC service usage:*

Logistic regression and odds ratios were used to assess features of UEC service use (secondary outcomes above) before and after the first and last therapy sessions. Adjustments were made for age (continuous) and sex in every case. The Index of Multiple Deprivation (IMD) overall score decile (continuous) was used to adjust for socioeconomic status, using the residence postcode at the start of therapy.

The IMD scores were mapped to each FNSD patient LSOA and derived internal decile for the study population. IMD was included in the secondary analyses as a covariate, considering its potential association with the outcomes. However, adjustments for these elements did not apply to the primary analyses. Specifically, adjusting for IMD would have led to an overly complex stratification and, subsequently, small sample sizes for the analysis.

### 4.2.9 Statistical analysis

All data preparation and analyses were conducted using RStudio v. 4.2.2. Emergency service use rates and proportions were obtained using the 'PHEindicatormethods' package in R. Studio. The Negative Binomial Regression model was implemented using the glm.nb function from the MASS package.

## 4.3. Results

### 4.3.1 General Description

#### 4.3.1.1 Population Demographics

705 FNSD patients were captured from South Yorkshire CCGs starting therapy between 2012 and 2016. The mean age at the start of therapy was 40.5 years (SD= 13.5), and the range was 16-84 years. There were 226 males (32.2%) and 478 females (67.8%). Both age and sex distributions were non-normal (p's <0.05).

#### 4.3.1.2 Data Characteristics

The merged FNSD and CUREd database captured 10,966 emergency healthcare events across all UEC services (111, A&E, AMB and APC) between April 2012 and March 2016 in the 705 FNSD population studied. Among these, there were 1,548 calls to 111 made by 353 (50.1%) patients (made in 2013-2016); 4,703 A&E visits by 604 (85.7%) patients; 1,050 AMB callouts by 371 (52.6%) patients and 2,012 APC spells in 428 patients. The majority of FNSD patients used more than one UEC service, with 203 (29%) of patients accessing all of the services (NHS 111, AMB, APC and A&E) at least once in the studied 4-year studied timeframe and 414 (59%) accessing at least two of these services. See Figure 6 for a visual representation of the overlap and unique areas of service usage among the FNSD cohort (total n=705). Given that some service data were unavailable for the whole period, the total user numbers and overlap figures may represent an underestimate.

Figure 6. Venn diagram showing the number of patients in the Sheffield FNSD cohort (total population =705) using one or more UEC health services between 2012 and 2016.

A picture containing diagram

Description automatically generated

*Note: Venn diagram illustrating overlap of service usage among patients. The sizes of the circles correspond to the number of patients using each service. Figures account for the number of patients accessing the services at least once between April 2012 and March 2016 in the 705 FNSD population studied. Among these, 353 patients called NHS 111 (50.1%) patients (captured in 2013-2016); A&E visits by 604 (85.7%) patients (captured in 2011-2016); AMB callouts by 371 (52.6%) patients (captured in 2012-2016); and APC spells in 428 (68.4%) patients (captured in 2011-2016).*

### 4.3.2 Cross-sectional comparison of UEC utilisation by pwFNSD and the general population

#### 4.3.2.1 Description of the Dataset

Using patient postcodes at the time of registration with the Neurology psychotherapy service, patients living within the Sheffield Clinical Commissioning Group area were identified and included in this analysis to enable comparison with the general population in the exact geographical boundaries. Emergency use data for the general population in the CUREd research database were incomplete in 2011–2012, and the secondary data used for this analysis did not have a matching timeframe for APC data. This missing data prevented the calculation of comparable rates. Thus this cross-sectional analysis reports the service use of 350 FNSD patients between April 2013 and March 2016 for AE, 111 and AMB services, where data were complete for both the patient and general populations. The mean age of FNSD patients was 38.9 years (SD=13.3), and the median age was 39, with a range of 15-83. The patient cohort comprised 119 males (34.0%) and 231 females (66.0%). The ONS population estimates for 2013-2015 indicated that approximately 690,646 males and 712,222 females lived in the Sheffield CCG area, totalling 1,402,868 adults.

#### 4.3.2.2 UEC Utilisation Description

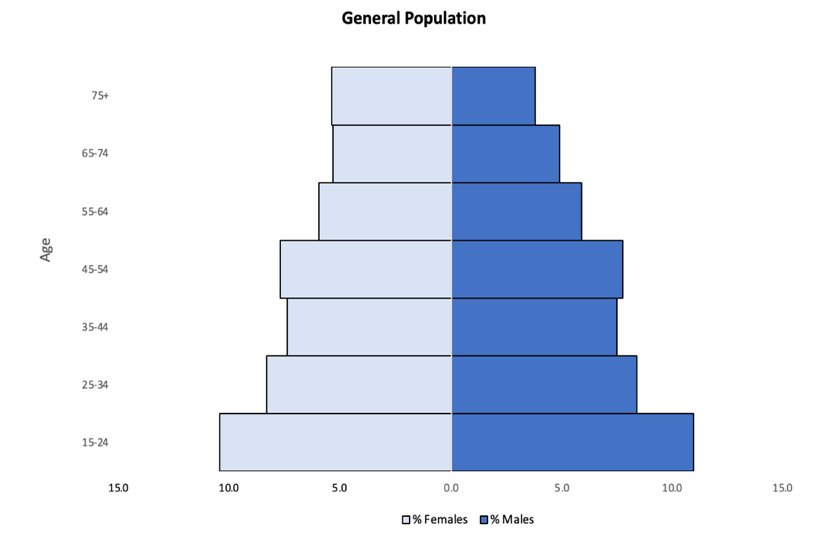
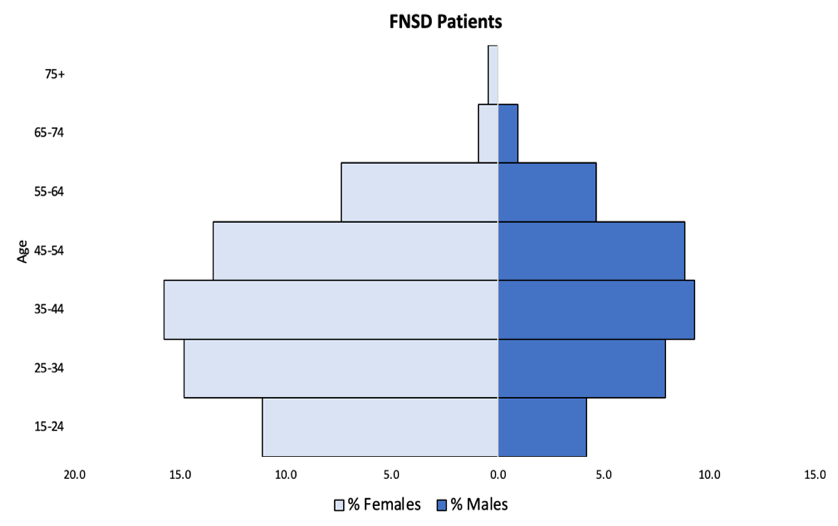
During this study period, 578 NHS 111 calls were made by 191 FNSD patients, 601 ambulance callouts by 132 patients; and 1,222 A&E attendances accrued by 256 patients living in Sheffield. In the general population group from the same geographical area, 167,110 NHS 111 calls were made by 122,559 people, 96,384 ambulance calls by 74,768 people and 281,822 A&E attendances by 200,615 people. The distribution of service user ages in the general population significantly differed from the age distribution of the FNSD patient group across all UEC service contacts (p<0.001). However, the male-to-female ratio of service users did not differ between the FNSD and general population groups in any UEC services (Figure 7). Further description of the general population cohort and UEC use was limited due to the use of secondary data in this analysis. The characteristics of service users in both patient and general population cohorts are shown in Table 15. Age and sex-stratified crude rates proportions by age and sex for the FNSD and general populations can be found in Table 38-39, Appendix E.

Table 15. Characteristics of FNSD patient cohort and general population UEC health service users in 2013-2015.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | FNSD Patient population  (Total studied =350) | General population  (Total studied =1,402,868) | *p-value* |
| All events | | N=2401 (291 patients) | N=545,316 |  |
| Age, mean (SD) | | 38.9 (13.3) | / |  |
| Age group, *n (%)* | 15-24  25-34  35-44  45-54  55-64  65-74  75+ | 387 (16.1)  616 (25.7)  509 (21.2)  305 (12.7)  475 (19.8)  104 (4.3)  4 (0.2) | 107,504 (19.7)  91,360 (16.8)  66,126 (12.1)  65,760 (12.1)  52,752 (9.7)  57,658 (10.6)  104,156 (19.1) | <.001 |
| Sex, *n (%)* | Male  Female | 1,014 (42.3)  1,386 (57.7) | 252,251 (46.3)  293,065 (53.7) | 0.052 |
| Events per year, mean (SD) | 2013  2014  2015 | 1 (0.71)  1 (3.6)  1 (2.2) | / |  |
| Patients ≥5 events a year, n (%) | 2013  2014  2015 | 20 (6.9%)  33 (11.3%)  47 ( 16.2%) | / |  |
| 111 calls | | N=578 (191 patients) | N=167,110 |  |
| Age, mean (SD) |  | 40.6 (14.2) | / |  |
| Age group, *n (%)* | 15-24  25-34  35-44  45-54  55-64  65-74  75+ | 77 (13.3)  159 (27.5)  133 (23.0)  71 (12.3)  106 (18.3)  30 (5.2)  2 (0.3) | 38,639 (23.1)  35,875 (21.5)  20,975 (12.6)  17,856 (10.7)  13,968 (8.4)  13,940 (8.3)  25,857 (15.5) | <.001 |
| Sex, *n (%)* | Male  Female | 234 (40.4%)  344 (59.5%) | 66,774 (40.0%)  100,336 (60.0%) | 0.441 |
| Events per year, mean (SD) | 2013  2014  2015 | 0.8 (1.8)  1.5 (3.6)  1.4 (2.5) | / |  |
| Patients ≥5 events a year, n (%) | 2013  2014  2015 | 2 (1.0%)  6 (3.1%)  15 (7.9%) | / |  |
| A&E attendances | | N= 1222 (263 patients) | N=281,822 |  |
| Age, mean (SD) |  | 38.6 (14.2) | / |  |
| Age group, *n (%)* | 15-24  25-34  35-44  45-54  55-64  65-74  75+ | 241(19.7)  328 (26.8)  248 (20.3)  163 (13.3)  187 (15.3)  52 (4.3)  2 (0.2) | 57,426 (20.4)  45,109 (16.0)  36,412 (12.9)  38,358 (13.6)  29,074 (10.3)  29,852 (10.6)  45,591 (16.2) | <.001 |
| Sex, *n (%)* | Male  Female | 483 (39.5)  739 (60.5) | 140,948 (50.0)  140,874 (50.0) | 0.176 |
| Events per year, mean (SD) | 2013  2014  2015 | 1.4 (2.2)  1.8 (4.6)  1.5 (2.6) | / |  |
| Patients ≥5 events a year, n (%) | 2013  2014  2015 | 13 (5.1)  18 (7.0)  20 (7.8%) | / |  |
| Ambulance calls | | N = 601 (132 patients) | N=96,384 |  |
| Age, mean (SD) |  | 42.9 (14.2) | / |  |
| Age group, *n (%)* | 15-24  25-34  35-44  45-54  55-64  65-74  75+ | 69 (11.5)  129 (21.5)  128 (21.3)  71 (11.8)  182 (30.3)  22 (3.7)  0 (0) | 11,439 (11.9)  10,376 (10.8)  8,739 (9.1)  9,546 (9.9)  9,710 (10.1)  13,866 (14.4)  32,708 (33.9) | <.001 |
| Sex, *n (%)* | Male  Female | 296 (49.3)  305 (50.7) | 44,529 (46.2)  51,855 (53.8) | 0.119 |
| Events per year, mean (SD) | 2013  2014  2015 | 0.9 (2.8)  1.4 (4.2)  1.2 (2.5) | / |  |
| Patients ≥5 events a year, n (%) | 2013  2014  2015 | 4 (3.0%)  9 (6.8%)  12 (9.1%) | / |  |

*Note: p-value set at 0.05 for the independent sample chi-square test. Patients with ≥5 annual events are classed as 'high-intensity users (HIU)'.*

Figure 7. Age structure for FNSD patients in the Sheffield Psychotherapy cohort and the general population living within the Sheffield CCG area between 2013 and 2015.



#### 4.3.2.4 Standardised rates: a cross-sectional comparison between groups

Compared with the general population, rates of use and the proportion of people utilising the 111, AMB, and AE emergency services were generally higher in men and women with FNSD than in the general population (Table 38 and 39 (Appendix E for stratified rates).

The calculated indirect standardised rates for the FNSD patient group provide those expected if the FNSD population had the same age and sex distribution as the general population. These rates indicated that the FNSD cohort used the 3 UEC services more than the general population in all study years. Utilisation rates per 1,000 person-years were around 23 times higher in the FNSD cohort for NHS 111 calls, nearly 60 times higher for ambulance callouts, and 31 times higher for A&E attendance than the general population. Regarding the proportion of unique users, higher rates in the FNSD cohort were observed, at 8, 16 and 4-fold thresholds for 111, AMB and AE services, respectively. Standardised ratios were larger for usage rates than the proportion of users per 1,000 population and for ambulance callouts and A&E attendances than NHS 111 calls.

Table *16*a. Indirectly standardised rates of UEC service use per 1,000 person-years for FNSD patients between 2013-2015

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service | General population rate (crude) | FNSD population rate (standardised) | 95% CI | Rate ratio | 95% CI |
| 111 | 39.7 | 904.5 | 832.3, 981.4 | 22.8 | 20.0, 26.0 |
| AMB | 22.9 | 1362.3 | 1255.5, 1475.7 | 59.5 | 52.2, 67.9 |
| AE | 67.0 | 2103.9 | 1987.6, 2225.4 | 31.4 | 27.9, 35.4 |

*Note: Rates are reported per 1000 person-years. 95% confidence interval. Comparison as a standardised rate ratio = standardised rate ratio (observed/expected).*

Table *16*b. Indirectly standardised proportions of UEC service use per 1,000 population for FNSD patients between 2013-2015:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Service | General population proportion (crude) | FNSD population proportion (standardised) | 95% CI | Proportion ratio | 95% CI |
| 111 | 87.4 | 695.8 | 588.6, 816.9 | 8.0 | 6.6, 9.7 |
| AMB | 53.3 | 845.2 | 707.1, 1002.3 | 15.9 | 13.0, 19.4 |
| AE | 143.00 | 628.6 | 524.4, 747.4 | 4.4 | 3.7, 5.2 |

*Note: Proportions reported per 1000 of the population. 95% confidence interval. Comparison as a standardised proportion ratio = standardised rate ratio (observed/expected).*

### 4.3.3 Longitudinal UEC utilisation by pwFNSD before and after psychotherapy

#### 4.3.3.1 UEC Utilisation Description (pre- vs post)

The observed study period comprised 18 month-periods before and after individual patient therapy start and end dates. The respective cohorts for urgent and emergency care (UEC) were determined based on data availability. Specifically, patients were included in the cohorts if we could obtain a complete record of their emergency care utilisation for 1.5 years before and after their therapy. This yielded 201/705 patients for the NHS 111 cohort, 448/705 patients in the AE and APC cohorts and 343/705 patients in the AMB cohort. In these pre- and post-therapy analyses, the number of events and people accessing services before therapy was higher than during and after therapy for all UEC health services (mean length of therapy was 6.8 months, SD: 5.3, Range: 0-36). These counts and proportions consistently increased again after the completion of therapy. Table 17 shows the total number and percentages for events and proportions for each UEC service before, during and after therapy

Table 17. FNSD UEC count contacts/events in 1.5 years before and after therapy, during and after therapy.

|  | Pre-therapy | During therapy | Post-therapy |
| --- | --- | --- | --- |
| 111 calls | Total: N (events) =277, N (unique persons) = 54 / 111 cohort = 201 | | |
| Person contacts, n (%a) | 36 (60) | 19 (35) | 38 (70.4) |
| Events, n (%b) | 133 (48.0) | 39 (14.1) | 105 (37.9) |
| A&E attendances | Total: N (events) = 1698 , N (unique persons) = 264 / AE cohort = 448 | | |
| Person contacts, n (%a) | 220 (83.3) | 117 (44.3) | 176 (60.0) |
| Events, n (%b) | 771 (45.4) | 313 (18.4) | 614 (36.2) |
| Ambulance calls | Total: N (events) =503, N (unique persons) = 110 / AMB cohort = 343 | | |
| Person contacts, n (%a) | 74 (67.3) | 36 (32.7) | 56 (50.9) |
| Events, n (%b) | 242 (48.1) | 77 (15.3) | 184 (36.6) |
| APC | Total: N (events) = 671, N (unique persons) = 165 / APC cohort = 448 | | |
| Person contacts, n (%a) | 122 (73.9) | 45 (27.3) | 83 (50.3) |
| Events, n (%b) | 311 (46.4) | 98 (14.6) | 262 (39.0) |

*Note: Pre- and post-therapy periods comprise 1.5 years before and after the start of an individual patient's psychotherapy. The mean length of psychotherapy among all patients captured was 6.8 months (range = <1 - 36 months). (a)- the percentage of unique individuals that accessed respective UEC services within the total available cohort in the studied time frame. (b)- the percentage of total events captured in the respective UEC service cohort in 1.5 years before and after therapy. High user status = >5 attendances in a year*

#### 4.3.3.2 Rates and Proportion per year relative to Therapy

#### Following the end of therapy, the rate of 111 calls per 1000 person-years decreased by 7% overall. The rate of A&E visits decreased by 20%, AMB callouts were reduced by 24%, and the rate of APC episodes was reduced by 15% (Table 18). The proportion of FNSD users also decreased in A&E, AMB and APC health services after therapy. However, the proportion of 111 callers seemed to increase after completion of therapy by 5% compared to the 1.5 years before therapy (Table 19).

Table 18. Usage rates (95% confidence intervals) per 1,000 person-years for each UEC service 1.5 years before and after therapy and comparison as rate ratio.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pretherapy rate | Pretherapy 95% CI | | Post-therapy rate | Post-therapy 95% CI | | Rate ratio | Rate ratio 95% CI | |
| 111 | 562.2 | 558.9 | 565.5 | 522.4 | 519.2 | 525.6 | 0.93 | 0.66 | 1.19 |
| A&E | 1,721.0 | 1,717.1 | 1,724.8 | 1,370.5 | 1367.1 | 1374.0 | 0.80 | 0.69 | 0.90 |
| AMB | 705.5 | 702.7 | 708.4 | 536.4 | 533.9 | 538.9 | 0.76 | 0.57 | 0.95 |
| APC | 694.2 | 691.7 | 696.6 | 584.8 | 582.6 | 587.1 | 0.84 | 0.68 | 1.01 |

*Note: per 1,000 person-year*

#### Table 19. Usage proportion (95% confidence intervals) per 1000 population for each UEC service by year relative to therapy, and comparison as rate ratio.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pretherapy proportion | Pre-therapy 95% CI | | Post-therapy proportion | Post-therapy 95% CI | | Proportion ratio | Prop. ratio 95% CI | |
| 111 | 179 | 126.0 | 232.1 | 189 | 134.9 | 243.2 | 1.05 | 0.67 | 1.43 |
| A&E | 491 | 444.8 | 537.4 | 392 | 347.6 | 438.1 | 0.80 | 0.63 | 0.97 |
| AMB | 216 | 172.2 | 259.3 | 163 | 124.2 | 202.4 | 0.75 | 0.46 | 1.04 |
| APC | 272 | 231.1 | 313.5 | 185 | 149.3 | 221.2 | 0.68 | 0.45 | 0.91 |

Figure 8. Before and after psychotherapy, UEC use rate ratios plot for the 4 UEC services

A graph with black lines and white text

Description automatically generated

*Note: Rates per 1000-person year.*

### 4.3.4 UEC Trend Analysis

A time series was structured in quarterly segments, each representing three months. This yielded 12 different time points spanning one-and-a-half years before and one-and-a-half years after the intervention. The time series data was recentred such that point zero represents the entire duration of psychotherapy for each patient in the cohort. This adjustment ensured the aggregated timeline for UEC utilisation rates and the intervention phase was standardised, with the commencement, duration, and conclusion of therapy centred at the zero point. UEC utilisation rates for the pre-and post-periods were adjusted to 1000 person-quarters, facilitating comparative analysis. These adjusted rates were used to model a time series specific to each patient's course of psychotherapy treatment.

The dispersion parameter (Theta = 8.6- - 32.8, Std. Error = 3.7-18.1) confirmed that the Negative Binomial Regression model was more suitable than a Poisson regression model for rates, addressing the overdispersion present in the data. The residual deviance was considerably smaller than the null deviance, indicating a good fit of the model to the data.

The segmented NB regression model revealed patterns of emergency service utilisation across the different services. The intercept term suggested a positive baseline trend ranging from 4.5 to 5.4 for the different services. Before treatment, a small increasing trend in the utilisation rates was observed for all UEC services (p>0.05), except calls to NHS 111. Calls to the 111 service showed a slight negative trend of -0.11, suggesting a potential decrease in utilisation rates before the intervention; however, these changes did not reach significance. The intervention had a significant negative level effect on the rate of use in A&E, APC and AMB services (-90--0.70, p's <0.05), indicating a reduction in the size of utilisation rates during therapy. Over time after therapy, the rate changes did not show a significant association (p's>0.05), indicating a negligible effect of length of time since treatment on the change in utilisation rates. These rate changes per quarter had a positive trend, and the regression coefficients were similar to those observed in the pre-therapy period for AMB, APC and A&E services. In contrast, a negative trend in 111 call rates was identified after therapy (-0.06), though this was not statistically significant (Table 20).

A cyclical pattern was evident after carefully examining the utilisation rates at each quarter following therapy. The utilisation rates markedly escalated during the initial quarter post-therapy and subsequently underwent a steady reduction over the next three quarters. This trend presents to different extents within each of the (UEC) health services, although the cyclical nature of the pattern –the rate oscillating with an increase and decrease every four quarters – remained a consistent feature in the observed 1.5 years post-therapy

Table 20. Segmented negative binomial regression of utilisation rate ratios (per 1000 person-quarters).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EMERGENCY SERVICE | BASELINE | | TREND BEFORE PSYCHOTHERAPY | | CHANGE AT PSYCHOTHERAPY | | TREND AFTER INTERVENTION | |
|  | Coeff. | SE | Coeff. | SE | Coeff. | SE | Coeff. | SE |
| 111 | 5.06\*\*\* | 0.33 | -0.11 | 0.08 | 0.27 | 0.41 | -0.06 | 0.11 |
| AMB | 4.49\*\*\* | 0.19 | 0.08 | 0.05 | -0.77\*\*\* | 0.23 | 0.02 | 0.06 |
| APC | 4.48\*\*\* | 0.23 | 0.08 | 0.06 | -0.90\*\*\* | 0.29 | 0.04 | 0.08 |
| A&E | 5.41\*\*\* | 0.25 | 0.07 | 0.06 | -0.70\*\* | 0.31 | 0.03 | 0.08 |

*Note: Rate of use for FNSD patients relative to psychotherapy intervention: interrupted time series analyses. Using aggregated data points per unique time (3-month periods) across all study subjects. Coefficients represent the rate ratios: a measure of the relative trend change in the event rate for each quarter (before/after therapy) or level change at therapy. \*\*p<0.05; \*\*\*p<0.01.*

Figure 9. Segmented regression analyses of UEC utilisation rates before and after psychotherapy

Figure 9a: Interrupted Time Series plot of 111 Utilisation rates, with Binomial negative Regression line

A picture containing text, line, diagram, plot

Description automatically generated

Figure 9b: Interrupted Time Series plot of AMB Utilisation rates, with Binomial negative Regression line.

A picture containing text, line, diagram, plot

Description automatically generated

Figure 9c: Interrupted Time Series plot of APC Utilisation rates, with Binomial negative Regression line.

**A picture containing text, line, diagram, plot

Description automatically generated**

Figure 9d: Interrupted Time Series plot of A&E Utilisation rates, with Binomial negative Regression line.

*A picture containing line, diagram, plot, slope

Description automatically generated*

*Note: Each grey dot represents the rate of UEC use for a given quarter relative to the psychotherapy intervention, with quarters before the intervention denoted by negative numbers and quarters after the intervention denoted by positive numbers. The red dashed line at time 0 marks the complete psychotherapy intervention phase, adjusted for each patient's therapy length. The blue line represents the fitted values from the negative binomial regression model, showing the trend in UEC usage rates over time. Rates were adjusted to 1,000 person-quarters for comparison.*

### 4.3.5 Features of UEC Service use

There were no missing data for included covariates before or after therapy.

Table 21 presents the adjusted odds ratios comparing features of UEC use before and after therapy in the FNSD population, controlling for age, sex, and IMD decile. For 111 calls, the likelihood of needing a call-back was significantly reduced after therapy. However, the differences in recommending AE, ambulance dispatch, primary care, and self-care were not statistically significant. The odds of AMB callouts being classed as high urgency were also not significant. There was a significantly lower likelihood of hospital admission after an A&E visit (OR=0.691, p=0.007) and regarding APC spells, the probability of having a hospital stay of seven nights or more significantly reduced (AOR=0.579, p<0.001), pointing to a potential decrease in severe health episodes requiring extended hospital stays.

Table 21. Adjusted odds ratios (95% confidence intervals) for key features of UEC service use, comparing 1.5-year pre- and post-therapy periods.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Adjusted odds | 95% CI | p-value |
| 111 calls | | | |
| Required call-back | 0.166 | 0.109, 0.250 | <0.001\*\*\* |
| Recommend AE | 0.981 | 0.393, 2.586 | 2.586 |
| AMB sent | 1.197 | 0.798, 1.805 | 0.387 |
| Recommend PC | 0.863 | 0.591, 1.258 | 0.443 |
| Recommend SC | 1.392 | 0.751, 2.661 | 0.303 |
| Other recommendation | 0.129 | 0.019, 0.505 | 0.009\*\* |
| Ambulance Call Outs | | | |
| Classed as high urgency | 0.826 | 0.584, 1.166 | 0.278 |
| AE attendances | | | |
| Arrival by ambulance | 0.811 | 0.651, 1.010 | 0.061 |
| Admitted to hospital | 0.691 | 0.527, 0.902 | 0.007\*\* |
| Discharged to primary care | 1.114 | 0.873, 1.420 | 0.386 |
| Discharged – no FU | 0.945 | 0.749, 1.191 | 0.633 |
| APC - spells | | | |
| ≥ 7 nights | 0.479 | 0.337, 0.679 | <0.001\*\*\* |

*Note: significance set at 0.05\*.*

## 4.4 Discussion

### 4.4.1 Summary

The findings of this study provide insights into the utilisation of urgent and emergency (UEC) health services among a large cohort of patients with Functional Neurological Symptom Disorder (FNSD) who had accessed psychotherapy to treat their disorder. Our results indicate that compared to an age- and sex-matched general population cohort, patients with FNSD utilise services like NHS 111, ambulance callouts (AMB), and Accident and Emergency (A&E) at notably higher rates and that the level of UEC usage rates was lower after the administration of specialised therapy provided by the STH NHS trust. However, usage rates seemed to gradually increase again towards the baseline over 1.5 years of follow-up captured in an interrupted time series analysis.

### 4.4.2 FNSD rates compared to the general population

A particularly striking finding in this study is that utilisation rates per 1,000 person-years were approximately 23 times higher for NHS 111 calls, nearly 60 times higher for ambulance callouts and 31 times higher for A&E attendance in our Sheffield-based FNSD psychotherapy cohort compared to the general population between 2013 and 2015. Typically, patients with FNSD do not only experience functional symptoms but are also at increased risk of a broad range of physical and mental disorders and, indeed, an increased risk of premature death.

In the UK, as of 2016/17, 2.1% of A&E visitors qualified as High-Intensity Users (HIUs), attending hospital emergency departments (ED) five or more times within a year and contributing to 10.7% of ED visits (Greenfield et al., 2020). In our analysis, five to eight per cent of FNSD A&E visitors were high-intensity users, almost three times the proportion Greenfield and colleagues found in the general population.

Though we could not determine the specific problems the patients in this FNSD cohort accessed emergency services with, the increased mortality rates observed in populations of FNSD patients suggest that a considerable proportion of these patients will have other physical disorders in addition to their FNSD (Jennum et al., 2019; Nightscales et al., 2020; Zhang et al., 2022). The study cohort here may also have been more disabled and had higher rates of mental disorders than other FNSD cohorts because they were referred by neurologists and accepted the psychotherapy offered. This is in line with other findings in the literature that show frequent attendees are more likely to experience functional symptoms (Ferrari et al., 2008; Norton et al., 2012; Reid et al., 2002b) as well as common mental health conditions such as depression (Gili et al., P011; Vedsted & Christensen, 2005) and anxiety (Smits et al., 2014).

Although high use rates have been reported in this patient group, one difficulty of FNSD studies pertains to identifying appropriate control groups to facilitate inferences and draw conclusions. FNSD differs from other disorders in its variable presentations, symptoms' onset, and pathophysiology. This variability in symptom presentation and onset make coding functional symptoms in an emergency setting difficult (Hughes-Gooding et al., 2020).

This analysis also showed that FNSD patients used more than one service. The overall proportion of FNSD psychotherapy patients who used UEC services was generally relatively high, and the high rates of use seen in this population overall may be due to a small minority of extremely frequent users. This suggests that a broader strategy would be required to reduce emergency service utilisation and improve the engagement of these patients with pre-planned / routine healthcare provision.

These complexities complicate efforts to track and understand patterns in emergency service utilisation within this patient group at group and system levels (i.e. across different service providers) (Hughes-Gooding et al., 2020). The unique pathophysiology, health behaviours and concepts associated with the care and management of FNSs, further underscore this complexity. For instance, misconceptions about the nature of their symptoms, stigmatisation, or the accessibility to primary, secondary, or tertiary care could lead to increased or decreased emergency service usage in different subgroups of patients. Nonetheless, comparing FNSD rates of emergency service usage in the general population provides a valuable reference point to appreciate the extent of the differences and begin to investigate possible underlying factors. It also highlights the need to consider which features of UEC use can be used as outcome measures that reflect the unique characteristics and needs of the FNSD population.

As FNSD patients are usually more likely to be female and middle-aged (Bennett et al., 2021; Goldstein et al., 2019), standardised rates were suitable to yield comparable measures by accounting for differences in age and sex distribution within the general population. The high rates reported here indicate that the differences observed are not due to these demographic distribution disparities between the two groups. However, another largely relevant confounder of use would be socioeconomic status, which was not accounted for in this comparison with the general population, so though we can exclude age/sex differences, we cannot entirely attribute these high rates to the nature of functional symptoms alone nor make explicit inferences about additional mediating factors that may influence the patterns of use.

The emergency department' crisis' in England has been closely tied to the issue of health inequality. Evidence suggests that individuals residing in areas of greater deprivation significantly utilise NHS services more than those in less deprived regions (Are Hospital Services Used Differently in Deprived Areas? Evidence to Identify Commissioning Challenges; Asaria et al., 2016; Cookson et al., 2016; Scantlebury et al., 2015). Furthermore, these individuals are more likely to contact UECs for conditions of lesser severity, and their rates of preventable emergency hospitalisations are nearly two and a half times greater compared to those from the less deprived areas (Cookson et al., 2016; Are Hospital Services Used Differently in Deprived Areas? Evidence to Identify Commissioning Challenges; Cookson et al., 2016)(Are Hospital Services Used Differently in Deprived Areas? Evidence to Identify Commissioning Challenges - PDF Free Download, n.d.; Cookson et al., 2016).

Individuals with mental health conditions are also more likely to frequent EDs and are at an elevated risk of recurrent hospital admissions (Sarah Purdy, 2010; Scantlebury et al., 2015). Notably, as of 2017, ED visits for mental health issues had surged by nearly half since 2011-2012. In an ill mental health study population, when controlling for several potential confounding factors, physical and mental health comorbidity emerged as a significant risk factor for attendance at emergency departments and primary care. Specifically, individuals with physical and mental health conditions had a more than fourfold increase in the likelihood of visiting an emergency department (Saini et al., 2020). Comorbid psychological issues prevalent in FNSD may thus be a moderating factor of use in this patient group and warrant further study. Though this study did not have mental health diagnoses on all of the patients captured in the FNSD cohort, a previous study in an overlapping Sheffield FNSD psychotherapy cohort found significantly high levels of symptoms of post-traumatic stress, depression and anxiety (Gray et al., 2020)

Interestingly, this studied patient cohort was not undiagnosed but had received a neurologist-confirmed diagnosis of FNSD, and a proportion would have been receiving or received specialist psychotherapy. While high rates of UEC use are unsurprising in an individual with undiagnosed FNSD, sustained high rates of utilisation after diagnoses have been reported elsewhere (Barsky et al., 2005; Merkler et al., 2016). Given the above factors, the high usage of emergency services in this cohort suggests that other healthcare service providers might have better helped a proportion of these contacts.

### 4.4.3 Treatment-related Rate Changes

Our segmented Negative Binomial (NB) regression, which was modelled using rates within a smaller timeframe of 3 months, uncovered patterns of emergency service utilisation before and after therapy in the patient group. Upon completion of psychotherapy, a statistically significant adverse change in the level of use in A&E, APC, and AMB services suggests that the therapy leads to an immediate reduction in the use of these emergency services. The absence of a significant association between the length of time after treatment and change in rates of use, however, indicates that following the immediate impact of the therapy, the effects are not strengthened nor weakened significantly over time. It is worth noting that at this reduced level post-therapy, there is a slight upward trend in quarterly rate changes, similar to the pre-therapy period, across all of the UEC health services. This implies psychotherapy may not entirely resolve patients' issues leading to UEC care use. It suggests that supplementary or alternative strategies might be necessary to maintain the initial reductions in emergency service usage that could be associated with psychotherapy.

The pattern observed in the quarterly rates (by point in the time series) could suggest that the increases in usage in the three months before and after individual patients' therapy were not therapy-related but simply a regression to the mean of service use rates over a longer time. Alternatively, the status of awaiting therapy after being assessed by a psychotherapist could have increased patients' need for emergency service input prior to therapy start. While after therapy, the spike in rates could suggest an adaptation phase to the treatment. This could include increased confidence or motivation in patients to seek help, or conversely, it may result from the withdrawal of routine support that therapy sessions provided, leading patients to revert to their initial response mechanisms. Over several quarters, this increased use appears to subside before increasing again, potentially reflecting the successful application and integration of therapeutic strategies learned during therapy sessions. A prospective study will be required to elucidate these patterns over time.

The slight negative trend in the rate of 111 calls before the intervention could be interpreted as a marginal decrease in call rates over time, albeit statistically non-significant. This is interesting because it is inconsistent with the observed A&E, AMB and APC trends. This also contrasts with findings of another study of NHS 111 calls using the same CUREd database in South Yorkshire, though they report findings from a later time frame between January 2018 and July 2019 and in the general population. This analysis found an increasing trend of NHS 111 calls within 18 months (Turner et al., 2021). This difference may point to the different interactions of different clinical groups with NHS 111 services.

Considering the centred intervention within the time series and the variable lengths of therapy for patients, it is unlikely that this observed effect can be attributed to external real-time factors or policy changes, such as seasonal weather changes. This periodic pattern was consistent across the different UEC services and captured within the 1.5 years observed in this study – this might suggest it is tied more closely to factors related to illness management or a treatment effect. Furthermore, this analysis was conducted using aggregate counts for each period rather than on an individual pre-post controlled basis, which might affect the precision of these findings. Another reason for caution is the lack of access to routine or pre-planned healthcare utilisation as primary or secondary care. There is a possibility that there was little change in overall healthcare usage, and the only difference would have been whether care was provided routinely or in an emergency.

The time window for observation and the FNSD UEC cohort sample size limited the ability to run more rigorous time series analyses such as ARIMA modelling. This method is capable of handling different patterns, such as linear or non-linear trends, consistent or fluctuating volatility, and seasonal or non-seasonal fluctuations in a time series (Schaffer et al., 2021). Nonetheless, this study indicates that therapy could have an initial impact in reducing the utilisation of emergency services in patients with FNSD. However, its long-term effects might not be as potent or linear and fluctuate over time. It is therefore important to continue investigating how specialised and individualised psychotherapy can affect healthcare utilisation in FNSD and refine the measures that can capture those changes. The distinct pattern in 111 call rates before and after therapy also invites further exploration of how different types of UEC health services are perceived and utilised by patients with FNSD.

The Royal College of Emergency Medicine and NHS England 2017 urged measures to improve integrated services for HIUs, aimed at reducing patients' future emergency department visits (Royal College of Emergency Medicine, 2017). More recently, NHS England announced plans to augment the services for high-intensity users (NHS England » High-Intensity Use Programme, n.d.; NHS England » Next Steps in Increasing Capacity and Operational Resilience in Urgent and Emergency Care Ahead of Winter, n.d.). Strategies, such as personalised care plans, have been recommended for these patients, with the potential benefit of decreasing the use of UEC and hospital admissions (Hudon et al., 2016; Lloyd-Rees, 2018; Moe et al., 2017; Newton et al., 2011; Soril et al., 2015). However, despite the consensus on the importance of enhancing the management of HIU, service improvements will likely depend on the efforts of local clinicians and services to modify work practices. The development of accessible, specialised services with interdisciplinary input, incorporating neurologists, psychiatrists, psychologists, physical therapists, and other clinicians, may be essential for improving patient outcomes, reducing emergency service utilisation and the financial burden these cause to healthcare services (A. Carson et al., 2011; Gelauff et al., 2014). In the first instance, implementation of the recently published optimal FNSD pathway, designed by the National Neurosciences Advisory Group (NNAG), would be helpful to address this by directing the organisation of care (*Optimum Clinical Pathway for Adults: Functional Neurological Disorder National Neurosciences Advisory Group (NNAG)*, 2023).

### 4.4.4. Features of FNSD UEC utilisation

Analysis of several features of use and patient flow in UEC health services may shed light on treatment-related changes and health behaviours of the patients.

The likelihood of needing a call-back reduced significantly after therapy, potentially indicating a decrease in the severity or complexity of the calls made. It could be postulated that therapeutic intervention beneficially impacted patients' ability to manage their non-emergency symptoms and health conditions more effectively, thereby reducing the need for follow-up interactions with emergency services. However, the data also indicated that the specific actions recommended after emergency service interactions (such as attending A&E, calling an ambulance, seeking primary care, or managing the situation through self-care) did not show statistically significant changes after therapy. Similarly, the odds of ambulance callouts classified as 'high urgency' were not significantly different after therapy. This could suggest that therapy may have influenced some aspects of emergency service interactions, aided in managing particular symptoms (e.g. those with less severe presentations) and reduced follow-up interactions. It has been previously demonstrated that most patients with dissociative seizures treated in Sheffield experience a significant seizure reduction (Mayor et al., 2010). Given that grounding, stabilisation, and psychoeducation are agreed integral parts of how the specialist neurology team in Sheffield works with FNSD, this might reflect a positive outcome of this aspect of therapy. Understanding symptoms and triggers are thought to be a significant contributor to coping and improvement and has been shown to improve outcomes of treatment such as functional independence, QOL, and sense of control (Myers et al., 2021)

On the other hand, several randomised clinical trials have shown that psychological interventions such as specialised CBT, multimodal forms of CBT, as well as CBT-oriented self-management and interdisciplinary psychodynamic, interpersonal therapies do result in a lower symptom burden, though to a variable degree in the literature and over time (Dallocchio et al., 2016; Goldstein et al., 2020a; Hubschmid et al., 2015; Kroenke, 2007; LaFrance et al., 2014; Moene et al., 2002; Sharpe et al., 2011). Further study to elucidate the nature of complaints leading to continued NHS 111 calls and ambulance callouts in these patients, as well as the sense of control and agency these patients have, would help elucidate the impact of current therapies and determine the need for tailored approaches to address these complaints in FNSDs in a primary care setting. Frequent-user interventions in general adult populations have shown a modest reduction in UEC use and cost-saving. In one review, case management had the most rigorous evidence base, further corroborating the need for individualised care in this group for improved outcomes (Soril et al., 2015).

There was also a significantly lower likelihood of hospital admission after an A&E visit and extended hospital stays (>7 nights) during an APC episode following therapy. This suggests that therapy might have helped reduce the severity of health episodes requiring emergency care, prolonged hospital stays, and the high costs associated with such complex emergency admissions. However, this analysis did not examine the reasons for hospital admissions, so we cannot determine the contribution of functional symptoms.

### 4.4.5 Emergency Service Use as an Outcome Measure in FNSD

The escalating demand and increasing reliance on urgent and emergency care in England is a growing concern. This places a substantial strain on the healthcare system and incurs significant costs. (Accident and Emergency Attendances in England - 2013-14 - NHS Digital; Turner et al., 2021). The unique demands of HIUs, like some FNSD patients, and systemic issues contribute to the high costs associated with emergency healthcare.

Based on this and our findings, FNSD UEC rates can serve as a meaningful outcome measure as it provides a tangible representation of healthcare utilisation that can be linked overall patient well-being. The high rates detected compared to the general population reflect an apparent correlation with heightened symptom burdens and difficulty with symptom management, characteristic in many FNSD patients.

Furthermore, the emergency service usage patterns detected changes that could potentially be attributed to psychotherapy treatment. UEC rates as an outcome measure could also signal underlying social and economic disparities that contribute to the health outcomes in this group. Thus, emergency service use can serve as a measure to assess both the health outcomes of the patient group and broader healthcare system challenges in FNSDs.

More knowledge is needed to understand the factors that drive the use of UEC services among individuals with FNSD, especially across areas with varying levels of deprivation. Given the existing disparities within the FNSD population, addressing these health inequalities could also yield significant improvements in patient outcomes and reduce the UEC burden of these patients.

### 4.4.6 Implications for clinical practice/research

This research carries considerable implications for clinical practice and future studies in FNSDs. It highlights the potential of emergency service use as a valuable clinical measure of progress, providing an additional, quantifiable tool to assess treatment effectiveness. From a research perspective, these findings highlight the need for cost-effectiveness studies to evaluate different treatment approaches. Such studies would provide valuable insights into the economic impact of treatments and inform strategies to optimise the allocation of finite healthcare resources to decrease the burden on emergency services. Moreover, this data could help identify key therapy targets, potentially leading to more tailored, effective interventions for individuals with FNSDs. The current study suggests that providing access to appropriate and effective care, such as brief and accessible specialised psychological therapies following an ED attendance or drop-in centres, may reduce repeated visits and contacts to urgent and emergency health services.

Ultimately, this research adds to the evidence base for further study to conduct more comprehensive treatment assessments, including cost-effectiveness analyses, develop targeted interventions, and inform the efficient use of healthcare resources.

### 4.4.7 Strengths and Limitations

It is important to address the potential limitations that may have influenced the findings and interpretations of this study. This analysis was not able to incorporate relevant clinical data such as primary FNSD diagnoses, psychiatric comorbidities, outcomes, and pre-and post-therapy questionnaire scores as a result of absent or inconsistent routine data collection in the psychotherapy healthcare service at the time under study, and the use of secondary data for the general population. Although rates were standardised by age and sex in the primary analyses, the inability to account for other relevant factors, particularly comorbidity or socioeconomic status, may confound our findings as they likely independently influence UEC service usage. While socioeconomic status was accounted for in secondary outcomes, this only explored differences between the features of patients' UEC services use before and after therapy. The reasons for UEC use were also not explored; thus, this analysis could not discuss the proportion of UEC contacts therein that were attributable to FNSD symptoms.

Similarly, several other confounders relevant to the use of UEC services were not adjusted for, such as the distance of patients to UEC services. Possible biases in this analysis include those possible in all analyses of retrospective observational data, including misclassification bias, unmeasured confounding, and missing data. The potential imprecision in the ONS population estimates used for the standard population in this analysis also warrants some caution in interpreting the standardised rates.

Despite the CUREd database encompassing the entire South Yorkshire region, within which all FNSD psychotherapy patients lived, we cannot guarantee that all patients were successfully linked with the available dates from the database. Consequently, some zero-values in our data might not represent an absence of emergency contacts from these patients. Moreover, ongoing changes in emergency services could potentially impact our findings, especially those related to the longitudinal study. This is exemplified by the augmented availability of APC services, which could reflect service evolution rather than patient circumstances or well-being changes.

The retrospective and cross-sectional design of the general population vs FNSD study comes with inherent limitations. The design does not allow for a causal inference among the variables examined. Data for this analysis were obtained from the Yorkshire and Humber region in the UK and comprised data between April 2012 to March 2016. While this may not fully represent the larger FNSD and general populations, it should be noted that this geographical region includes a diverse variety of large urban, small urban, suburban and rural settings. In addition, it has a population of approximately 5.5 million and includes 13 acute trusts, among which are four major trauma centres. As such, it is plausible to consider the findings as potentially generalisable to the broader UK population.

Nonetheless, the retrospective nature of this data analysis means that the reported trends may not accurately reflect the current state of practices. Despite these limitations, the findings are from a relatively large observational cohort. Previous studies have also looked at single factors without considering other covariates. The large number of cases in this study allowed comparisons through more robust logistic regression analyses, and this study is also strengthened by the fact that all of the cases of FNSD were clinically firm diagnoses confirmed by specialist consultant neurologists. In addition, this study examined data over several years and at specific time points in a time series analysis, allowing an understanding of trends in UEC usage over time, level changes because of intervention and relative to the time before and after the intervention.

### 4.4.8 Recommendations/Future work

Future work could use a multicentre approach to provide a more diverse patient population and allow for more generalisable results. The increased variability in the patient characteristics and care delivery services across different centres could offer further insights into the relationships between FNSD, psychotherapeutic interventions, and emergency service use. A larger patient sample size would also improve the statistical power and precision of the study's estimates, allowing for more robust conclusions and offering a more detailed picture of UEC use in FNSD, for example, with more advanced time series modelling. Considering other potential covariates such as symptom severity, physical and psychological comorbidities, patient demographics, and socioeconomic factors may further elucidate the initial nuanced trends observed here.

Comparing the effectiveness and impact of various therapeutic interventions and approaches on emergency service use could highlight the most efficient treatment methods to reduce the UEC care burden in this patient group. Specific economic evaluations of UEC use and interventions could also provide insights into the cost-effectiveness of different treatment strategies. Cost-effectiveness studies must consider the costs of non-emergency healthcare contacts and the social costs associated with FNSD. Undertaking subgroup analyses based on functional diagnosis would reveal the specific UEC needs and the different effects of therapeutic interventions across various subgroups. Furthermore, such work would refine our understanding and application of emergency service utilisation rates as clinically relevant outcome measures for FNSDs.

### 4.4.9 Conclusion

Given the changes in rates of 111, A&E, APC, and AMB services use after therapy and relative to the general population observed in this study, emergency service use can be an outcome measure for treatment-related changes in FNSD. However, we cannot comment on the extent of its use, for example, in using this as a measure to capture the long-term effects of therapy and health outcomes. Naturally, emergency service use would be influenced by a host of factors in this patient group, such as symptom severity, individual health behaviours, socioeconomic status, and healthcare accessibility. So, it is essential to control for these potential confounding factors or refine its use for subgroups of patients. Given the significant costs associated with emergency care, the findings further suggest that UEC usage rates would be an effective measure to analyse the cost-effectiveness of therapies to save overall costs to the healthcare system, including non-emergency health contacts and social costs, as well as to improve health outcomes for FNSD patients.

# **5.0 Delay Discounting and Negative Affective Priming in patients with** **Functional Neurological Symptom Disorder**

## 5.1 Introduction

### 5.1.1 Introduction

Recent research has highlighted the importance of affective cognition in the pathogenesis and perpetuation of FNSD symptoms (Diez et al., 2019; Milano et al., 2023; Ospina, Jalilianhasanpour, et al., 2019; Perez, Williams, et al., 2017; Pick et al., 2019). The traditional understanding of these symptoms as physical manifestations of psychological stress and emotional conflicts (Breuer & Freud, 1895) has led to the classification of FNSD under conversion disorders (DSM-4). Theories on symptom development have continued to encompass dissociation and conversion in the larger schema of abnormal emotional processing resulting from emotionally distressing experiences and emotional conflicts (Hallett et al., 2022). The DSM-5 (American Psychiatric Association, 2013) recognises the unique symptomatology and contributing factors to FNSD, proposing "Functional Neurological Symptom Disorder" as a separate category. However, the DSM-5 continues to use the term 'conversion'. In contrast, the ICD-11 (World Health Organisation (WHO), 2019) uses "dissociative neurological symptom disorder"; as such, a somatoform/conversion (DSM) versus "dissociative" controversy carries on in the most up-to-date versions of these classification systems.

Ongoing research involving FNSD patients has refined conceptual models and treatment methods. Classifying FNSD as a dissociative and conversion disorder primarily links emotional processing abnormalities in FNSD with difficulties with understanding and expressing personal feelings, as framed by the concept of alexithymia (Demartini, Petrochilos, et al., 2014; Ricciardi et al., 2015). The positioning of emotional processing within the stress and coping framework expanded emotion regulation to include cognitive and behavioural tactics geared towards managing unpleasant emotions arising from external or internal triggers. Key strategies relevant in this context include cognitive reframing of distressing events or suppression of emerging negative sensations (Gross, 2002; Gyurak et al., 2011). While these psychological models remain vital to the current understanding of FNSD, more recent research has examined neurobiological viewpoints that place FNSDs at the juncture of the brain and mind (Bègue et al., 2019; Cretton et al., 2020; Keynejad et al., 2019; Perez, 2020; Pick et al., 2019). Studies utilising functional imaging indicate an association between these disorders and the abnormal functioning of brain networks underpinning perception, attention, the feeling of control over one's actions, and prior expectations of sensorimotor functions. Neurophysiological and functional neuroimaging studies have shown varying activation patterns among FNSD patients, healthy individuals, and those asked to feign symptoms (M. J. Edwards et al., 2023). The development and persistence of symptoms are likely the result of various triggering, predisposing, and perpetuating elements, such as a patient's genetics, cognitive function, environmental influences, past experiences, and in certain instances, immediate triggers. Affective cognition is the interaction between emotion and cognition that impact the perception and response to stimuli. In FNSDs, affective cognition encompasses various cognitive processes influenced by emotional states or affective stimuli. These processes include attention, interpretation, memory, and decision-making. Abnormalities in these systems can be characterised by emotional dysregulation, negative attentional and interpretative biases (Keynejad et al., 2020).

### 5.1.2 Emotion Dysregulation and Alexithymia in FNSD

FNSD patients display disrupted emotion regulation and alexithymia. Heightened alexithymia levels (Bewley et al., 2005; Demartini, Petrochilos, et al., 2014; Ricciardi et al., 2015) have been interpreted as a conversion of emotional expressions into physical symptoms or a misinterpretation of bodily responses to emotions (e.g., increased heartbeat during fear) as physical illness indicators (Demartini, Petrochilos, et al., 2014). Emotion dysregulation in FNSD patients has been displayed by a greater tendency to suppress emotions and reduced cognitive reappraisal than in healthy controls (Kienle et al., 2018). Alongside self-reported alexithymia and emotion regulation strategies, brain imaging and functioning in experimental emotion regulation tasks have further substantiated the role of emotion dysregulation in FNSD. Imaging studies using hemodynamic and electromagnetic techniques have demonstrated changes in emotional stimuli processing and emotion regulation in FNSD patients compared to control groups, specifically in the frontal-cortical and parietal cortices associated with emotion regulation (Etkin et al., 2015; López-Pérez & Ambrona, 2015). In addition, increased activity in movement-related cortical areas has been observed in functional movement patients versus controls (Aybek et al., 2015; Blakemore et al., 2016; Voon et al., 2010). Similarly, reduced frontal-cortical but increased sensorimotor electromagnetic activity was reported in FNSD patients faced with unpleasant stimuli during an emotion regulation task involving cognitive reappraisal strategies (Fiess et al., 2015).

Within the therapeutic context, it is possible to explore the role that emotional processing plays in developing FNSD in greater depth. Many treatment approaches focus on interpreting symptoms as an outcome of emotion dysregulation or emotional conflict resolution through physical manifestation, e.g. in brief psychodynamic, interpersonal therapy (Mayor et al., 2010; McCormack et al., 2014) or cognitive behaviour therapy enriched with emotion regulation (Kleinstäuber et al., 2016). Thus, treatment-associated changes found in these therapies strengthen theories implicating abnormal emotion regulation in the aetiology of FNSD.

### 5.1.3 Attentional Processing and Interpretative Bias in FNSD

Altered patterns of attentional processing also appear to be a feature of FNSD. Modifications in attention processing (automatically directing attention to negative or illness-related information) and bias in interpretation (interpreting ambiguous information as negative or related to illness) appear to have a mechanistic role in the disorder (Keynejad et al., 2020).

Concentrated self-attention affecting an intended action—such as mixing up one's lines during a public speech - is common. The human nervous system is structured to balance incoming sensory information from the body ("bottom-up") with anticipatory "top-down" predictions of what that sensory information will be. Electrophysiological and other objective studies support the notion that this system is out of balance in FNSD patients (Macerollo et al., 2015; Pareés et al., 2012). An unusually high volume of attention towards symptom-related prior beliefs and expectations may reinforce and maintain symptoms (M. J. Edwards et al., 2012). This could explain why FNSD symptoms tend to improve with distractions, a technique that physiotherapists use to treat functional movement disorders (Espay, Aybek et al., 2018; Nielsen et al., 2015).

Faster reaction times to sad faces have been reported and might suggest abnormally heightened awareness of threat stimuli in patients with FNSD (Kozlowska et al., 2013). However, this finding is inconsistent, as another study comparing FNSD patients with healthy controls did not find any group differences in reaction times to the emotional content of stimuli in a Stroop task (Bakvis et al., 2009). Some research has shown changes in amygdala activity in FNSD patients responding to fear-inducing or aversive stimuli (Aybek et al., 2015; Espay, Maloney, et al., 2018; Voon et al., 2010). Unlike healthy controls, FNSD patients did not become accustomed to fear stimuli over time. Additional studies highlight the involvement of sensorimotor areas during the processing of emotional images in FNSD patients (Fiess et al., 2015, 2016). These findings suggest alterations in processing emotionally valent stimuli in FNSD patients.

### 5.1.4 Measures of Affective Cognition in FNSD

Various validated neuropsychological measures can assess affective cognition in FNSD. One approach is The Negative Affective Priming task, which evaluates attentional biases by measuring the delay in response times to previously ignored negative stimuli (Keynejad et al., 2020). Similarly, the Emotional Stroop task has been used to assess both attentional and interpretative biases by measuring response times to negative, illness-relevant words versus neutral words (Bakvis et al., 2009).

Using validated neuropsychological tasks, clinicians and researchers can implicitly measure changes in affective cognition over time and in response to treatment. This can provide crucial feedback on treatment effectiveness and guide adjustments to therapeutic strategies, thereby enhancing patient outcomes and advancing our understanding of this complex disorder (Keynejad et al., 2020).

### 5.1.5 Delay discounting

Impulsivity and delay discounting have been established in the literature to study health and outcomes across various clinical populations (Amlung et al., 2019; Bickel et al., 2012). Impulsivity is a multifaceted construct that refers to the tendency to act without forethought or adequate consideration of potential consequences. It has been linked to poor decision-making and risk-taking (Dalley et al., 2011; Whiteside & Lynam, 2001). Delay discounting is a specific form of impulsivity and proposed measure of impulsivity that reflects an individual's preference for smaller, immediate rewards over larger, delayed rewards (Green et al., 1994).

The use of impulsivity and delay discounting as health measures extend to various psychiatric and neurological disorders. These constructs have been associated with increased symptom severity, reduced quality of life, and poor functional outcomes in conditions such as multiple sclerosis, attention deficit hyperactivity disorder (ADHD), borderline personality disorder (BPD), Parkinson's and substance abuse (Amlung et al., 2019; Bruce et al., 2018; Grippa et al., 2017; Jackson & Mackillop, 2016a; Lawrence et al., 2010; Pennisi et al., 2023; Schreiber et al., 2012). The links between these disorders are self-evident; for example, people with BPD are characterised by abnormalities in several personality dimensions, including "novelty seeking" (Reddy et al., 2013), and people with higher levels of impulsivity could be at greater risk of substance abuse. As such, higher levels of impulsivity and steeper delay discounting have been shown to predict poorer treatment outcomes, increased relapse rates, and reduced treatment adherence in substance use disorders (Bickel et al., 2012; Stanger et al., 2012). Heightened stress levels and difficulties in emotion regulation have also been related to steeper delay discounting (Malesza, 2019b), as high stress was significantly associated with emotion dysregulation, which in turn was a mediator for delay discounting rates. A direct relationship was also observed between elevated stress levels and greater delay discounting. It was posited that individuals with high stress levels might display more impulsive behaviours, with emotion dysregulation playing a central role (Schreiber et al., 2012). Emotion dysregulation is theoretically linked to both the experience of stress and delay discounting (Gratz & Roemer, 2004; Lempert et al., 2012; Worthy et al., 2014) otherwise and has is considered a core mechanism underlying mood and anxiety disorders (Salters-Pedneault et al., 2006). Furthermore, effective emotion regulation training has decreased impulsive behaviour in other health conditions (Hendrickson & Rasmussen, 2013). Emotion dysregulation and stress could lead to impulsive and maladaptive responses instead of the necessary processes for dealing with difficulties (Malesza, 2019a, 2019b; Schreiber et al., 2012; Tice et al., 2001).

Furthermore, associations found between distress and delay of gratification indicate that situational stress may influence delay discounting through maladaptive responses to the environment (Lempert et al., 2012). This suggests that individuals in distress may shift to a more immediate-oriented mindset (as reflected by more impulsive delay discounting) and engage in impulsive behaviours to reduce perceived stress (Lempert et al., 2012; Tice et al., 2001), particularly in the context of abnormal emotion regulation. As emotion dysregulation, alexithymia and high levels of stress/distress are reported in patients with FNSD, an objective implicit measure such as DD is made more relevant in this patient group, particularly with the possible impairment of subjective stress perception (Keynejad et al., 2019; Ponnusamy et al., 2011). In this context, 'stress' as measured by stressful events may be less relevant than how patients cope with the stress (Testa et al., 2012).

Based on the links between impulsivity and health behaviours, delay discounting may be beneficial as an objective measure in FNSD. Delay discounting may be a useful and easy-to-administer proxy measure to assess affective, cognitive state or levels of stress that cannot be subjectively identified. High stress, arousal, and emotion dysregulation levels have been associated with FNSD. Much evidence comes from patient self-report investigations and neurophysiology reports, which suggest that these patients experience their lives as more stressful and are at baseline more aroused and anxious than healthy controls (HCs). These patients often use adapted emotional processes and [coping strategies](https://www.sciencedirect.com/topics/psychology/coping-strategy) to avoid conflicts, threats or stress, compared to HCs (Bakvis et al., 2011; Demartini et al., 2016; Goldstein & Mellers, 2006; Sojka et al., 2018; Testa et al., 2012; I. A. Williams, Levita, et al., 2018). As FNSD is theorised as behavioural or dissociative responses to emotional, physiological or social distressing stimuli (Bowman, 2006; M. J. Edwards et al., 2012; Reuber & Mayor, 2012), coping with stress and regulating emotions are particularly relevant to function and control in this disorder. Psychotherapeutic approaches, including CBT, psychodynamic psychotherapy, Gestalt, lifespan, and sensorimotor approaches, explore and target related constructs (e.g., stress, avoidance, emotion regulation, stress endurance) and have positively impacted emotion regulation. As such, discounting rates as a measure of impulsivity may capture presentations of altered affective cognition and psychotherapy-related change.

### 5.1.6 Negative Affective Priming

Negative affective bias, a cognitive distortion characterised by a heightened sensitivity to and interpretation of negative information, has emerged as an important psychological health factor with implications for psychological and physical well-being (Harmer et al., 2009). Attentional biases for negatively valent stimuli have also been demonstrated extensively across several emotional disorders (Mathews & Macleod, 2005), including depression, mania (Erickson et al., 2005; F. C. Murphy et al., 1999), anxiety disorders (Dalgleish & Watts, 1990), substance abuse (Ersche & Sahakian, 2007), and eating disorders (Lovell et al., 1997). These biases are believed to play an important role in the aetiology and maintenance of these disorders. Furthermore, studies have demonstrated that negative affective bias is a stable trait marker of psychopathology and a sensitive state marker of current symptom severity and treatment response (Lemoult & Gotlib, 2018; MacLeod & Mathews, 2012).

Studies suggest that FNSD patients are more sensitive to negative affective stimuli and are characterised by a high prevalence of depression and anxiety symptoms (Şar et al., 2004). Patients with functional seizures, a common presentation of FNSD, have been shown to have increased [attentional bias](https://www.sciencedirect.com/topics/medicine-and-dentistry/attentional-bias) to negative social stimuli (angry faces) (Bakvis et al., 2009, 2011; Whitfield et al., 2020).

Clinically, negative attentional biases could manifest as an increased focus on illness-related or negative bodily sensations, potentially exacerbating symptoms and distress. This bias can also contribute to maintaining the disorder by reinforcing maladaptive illness beliefs and expectations (M. J. Edwards et al., 2012; Pick et al., 2019).

One method to detect negative attention biases is the Evaluative Priming Task (EPT) developed by (Fazio et al., 1994). This evaluative decision task assesses the automatic activation of attitudes, e.g., an attentional bias towards emotionally negative stimuli (Fazio et al., 1986). It involves briefly presenting a "prime" stimulus, followed by a "target" stimulus, where participants are asked to identify or classify the target. A "priming" effect refers to the influence of the valence of a prime on the response to the target. Facilitation (quicker response time) is expected in the case of valence congruence of prime and target, whereas valence incongruence results in longer response times compared with a baseline (e.g., a neutral prime) (Herring et al., 2013). An 'interference effect' is observed when a prime-distractor valence is repeated as a probe-target valence (Wentura, 1999) in trial pairs. If this effect is not shown, it is assumed that the prime distracter stimuli could not be inhibited because special attention is given to the valence of the prime, which is considered in the literature as an attentional bias (Joormann, 2004). This absent/reduced interference effect or attentional bias for negative stimuli has been found in dysphoric participants and participants with a history of depression (Frings et al., 2007; Goeleven et al., 2006; Joormann, 2004). The affective priming effect has been demonstrated with various stimulus materials, including words, line drawings, complex colour pictures, odours, and facial expressions (Herring et al., 2013). It has been concluded that humans have an evaluative decision mechanism that allows them to automatically and unconditionally evaluate all incoming stimulus information (Spruyt et al., 2007).

The interference effects observed in negative affective priming tasks have been attributed to various mechanisms supported by psychological research. The inhibition theory proposes that negative affective primes activate inhibitory processes that suppress the response to subsequent negative target stimuli (Fox et al., 2001). As a result, this inhibitory mechanism leads to slower response times and decreased accuracy when negative targets follow negative primes. Another explanation is conflict monitoring, which suggests that negative affective primes create a conflict between the automatic response tendency associated with the prime and the required response to the target (Klauer et al., 2003). This conflict triggers an augmented cognitive control process, resulting in longer response times and higher error rates. Spreading activation proposes that negative affective primes activate related negative concepts in memory, interfering with the processing of subsequent negative target stimuli (Hermans et al., 1994). This interference arises due to the competition between the activated negative concepts and the target stimuli, causing delayed responses and reduced accuracy. These explanations find support in empirical studies conducted by Fox et al. (2001), Klauer et al. (2003), and Hermans et al. (2008).The repeated demonstrations of affective priming effects provide strong evidence supporting the existence of unconscious and involuntary appraisal processes. As a result, the automatic processing of emotional information has been widely investigated using this paradigm (Klauer et al., 2003) and demonstrates the potential utility of using the paradigm as an outcome measure in FNSD.

Keynejad et al. (2020) have highlighted the potential role of altered attentional processing in FNSD. Interventions that include cognitive modifications, such as cognitive-behavioural therapy, have shown promise in improving mental and physical health outcomes and highlight the clinical relevance of this construct (Hallion & Ruscio, 2011). Given its association with health outcomes, negative affective bias could serve as a valuable health measure for identifying at-risk individuals, monitoring symptom progression, evaluating the effectiveness of therapeutic interventions and informing targeted interventions to address underlying emotional and attentional alterations.

### 5.1.7 Research Study

Research is warranted to examine the utility of delay discounting (impulsivity) and negative affective biases as FNSD measures and elucidate the mechanisms underlying their associations with FNSD pathology and health outcomes. To this end, the present study adopted the delay discounting task and an adapted affective priming task in an exploratory study to analyse whether these measures can capture differences between an FNSD population and healthy controls.

#### 5.1.7.1 Research Aim

The present study compared self-reported emotion regulation, anxiety, depression, QOL and severity of symptoms, delay discounting rates and negative affective bias indices between FNSD patients and healthy controls to gain insight into altered emotion regulation in FNSD.

The study's primary aim was to investigate whether a difference in negative attentional bias and delay discounting can be observed between patients with FNSD and healthy controls and to explore whether these measures could serve as measures of health and psychotherapy-associated change in future research.

#### 5.1.7.2 Research Questions

The research questions for this study were:

1. Do patients with FNSD and age/sex-matched healthy controls show differences in facilitation/priming effects, evidenced by faster processing of congruent trials?
2. Compared to healthy controls, do patients with FNSD display greater negative attentional bias, evidenced by faster processing of negatively valent stimuli?
3. Compared to healthy controls, do patients with FNSD demonstrate reduced interference effects?
4. Are affective priming indices correlated with anxiety, depression and somatic symptom burden, emotion regulation, quality of life, coping and delay discounting scores in FNSD and healthy controls?
5. Do patients with FNSD prefer immediate rewards over delayed ones compared to age-matched controls?
6. Are delay discounting rates correlated with anxiety, depression and somatic symptom burden, emotion regulation, quality of life and coping scores in FNSD and healthy controls?

## 5.2 Methods

### 5.2.1 Summary of Study Design

A cross-sectional, between-group design was employed, with two groups of participants–one group of participants with a diagnosis of FNSD (patient group) and one group of individuals with no history of FNSD (healthy control group).

### 5.2.2 Participants

Patients with FNSD

Adult patients with a diagnosis of FNSD under the care of a consultant neurologist at the Royal Hallamshire Hospital (RHH) in Sheffield, United Kingdom, and adult patients responding to an online advertisement on UK- and US-based FNSD patient organisation websites were recruited to the study. For those recruited from the hospital, a clinical diagnosis of FNSD was established based on all available evidence and the expert opinion of the patient's consultant neurologist. These patients had been referred by their neurologist and were on the waiting list to start psychotherapy at the Royal Hallamshire Hospital STHFT. The usual patient flow into this psychotherapy service involves a referral of the patient to the service, completion and return of baseline service evaluation questionnaires, single assessment appointment about three months after referral and admission to the waiting list for psychotherapy (with a waiting time of around 1-2 years at the time of this study).

For patients recruited online, confirmation of an FNSD diagnosis was sought from the participants as part of the screening and from a subgroup of the participant's General Practitioner or Consultant Neurologist. To be eligible for the study, patients had to be diagnosed with FNSD and at least 18 years of age. Patients were ineligible for the study under the following conditions:

1. If they had any neurological comorbidities that could partially or wholly account for their symptoms.
2. If they were unable to provide informed consent.
3. If they could not complete the online or physical versions of the self-report questionnaires unaided.

Control participants

The control group for this study did not have any current or previous diagnosis of neurological or psychiatric disorders, as confirmed by a screening questionnaire. The inclusion criteria for the control group included no clinical or suspected diagnosis of FNSD and an age of at least 18 years. The exclusion criteria were the same as the patient group.

Sample size

At the time of designing this study, there were limited meaningful studies from which effect sizes could be derived. Based on previous meta-analyses of delay discounting, negative affective priming, attentional bias and emotion dysregulation studies in other clinical groups, including depression, anxiety, ADHD, PTSD and healthy controls (Bar-Haim et al., 2007; Fields et al., 2014; Jackson & Mackillop, 2016b; Phillips et al., 2010; Seligowski et al., 2014; Wang et al., 2023), the effect sizes varied. However, generally, medium to large effect sizes for both delay discounting and negative affective priming were reported and could be anticipated. In FNSD patients, a cross-sectional study involving 26 FNSD patients and 28 healthy controls (I. A. Williams et al., 2021) showed between-group differences with a small effect size of 𝜂𝑝² =.10 when comparing interoception scores, while another prospective study using the EPS-25 (a questionnaire assessing emotion processing) in patients with FNSD found a small pre-post effect size of 𝜂𝑝² =.10 (I. A. Williams, Howlett, et al., 2018). Further between-group studies reporting effect sizes of relevant measures in FNSD were lacking.

G\*Power 3.1.9.4 software was used to conduct an a-priori power analysis to calculate the sample size for the between-group analysis in this study. The calculation revealed that 53 participants per group should be sufficient to detect an effect size of f=0.3 in independent two-sample t-tests, with a conventional significance level (.05) and a statistical power of 0.80. A sample size of 70 per group was targeted to allow for potential attrition or data loss.

### 5.2.3 Recruitment

#### Recruitment took place between October 2021 and January 2023. Potential participants were approached in three settings.

1. Neurology Psychotherapy Service, STH, Sheffield UK. Potential participants had been referred for psychotherapy by a neurologist who had made or confirmed the diagnosis of FNSD. They were approached by letter and via email from the psychotherapy waiting lists or at their initial assessment meeting before being added to a waiting list for one-to-one psychotherapy.
2. Online from patient organisation websites. The study was advertised on two patient organisation websites (FND Hope and FND Action) along with a brief description and link to an online study website where participants could view the information sheet, complete an expression of interest and consent to contact form (hosted on Google Forms). Following participation and consent, the Consultant Neurologists / General Practitioners of a subgroup of patients were contacted in writing and asked to verify their patient's diagnosis of FNSD (i.e., those who reported taking medication or those who had reported a diagnosed neurological or psychiatric condition).
3. Mailing lists and word of mouth/family/friends. In order to recruit healthy control participants, email invitations were sent to the University of Sheffield staff and students. In addition, advertisements were placed on the social media and mailing lists of the charities FND Action and FND Hope. Adverts were also placed in reception and waiting areas of an NIHR research office in the Royal Hallamshire Hospital, Sheffield, UK. The university mailing lists and databases comprised individuals who agreed to be contacted about possible participation in research studies. Friends and family of the FNSD patients partaking in the study were also invited to participate, as well as friends, family and colleagues of the research and psychotherapy clinical team.

After completing an electronic expression of interest and consent to contact form, potential participants were sent the participant information sheet (PIS) and data management information sheets via email. After 24-36 hours, they were sent a personal participation link for the study platform. Consent to participate in the study was incorporated into the online experimental platform and had to be completed before proceeding to the study questionnaires and tasks.

### 5.2.4 Study Setting and Procedure

This study utilised an online experimental design. The Gorilla Experiment builder ([www.gorilla.sc](http://www.gorilla.sc/)), a robust web platform designed for conducting cognitive science studies remotely, was used to create and host the experiment (Anwyl-Irvine et al., 2020). The measures and tasks were manually designed and inputted, leveraging Gorilla's user-friendly interface.Data were collected between 11 November 2021 and 15 January 2023. Participants could reread the patient information sheet on the platform before providing informed consent. Upon completing the consent form, participants proceeded to the main experiment, comprising the questionnaire battery and tasks. Patient demographic and health characterisation questionnaires were first completed, followed by the EQ-5D-3L and mood zoom questionnaires to assess current mood before additional questionnaires and tasks. A delay discounting and the adapted NAP task followed this. The NAP task involved six practice trials and feedback to clarify the procedure and maximise accuracy for the actual trials. The experiment proceeded with the GAD-7, PHQ-9, PHQ-15, and DERS questionnaires. Finally, the EASE measure was presented with an adapted version for healthy control participants.

Upon completion of the experiment, participants were debriefed via a dedicated study site and provided with contact information for the research team in case of any follow-up questions or concerns. All data were collected, anonymised and stored securely on the Gorilla platform, ensuring participant confidentiality and data integrity. Completion of the experiment took approximately 15-30 minutes.

### 5.2.5 Measures

A battery of self-report questionnaire measures was used to assess variables of interest alongside the affective cognition/behavioural tasks. Current mood, clinical symptomology and comorbid anxiety, depression, number and severity of somatic symptoms, difficulty regulating emotion and quality of life were assessed. The questionnaire battery comprised 128 questions. Completion of these questionnaires took approximately 15 minutes. For reference, all the measures are presented in full in Appendix A.

Behavioural Task—Negative Priming

A Negative Priming (NP) task was adapted from Joormann (2004) with amendments informed by Spruyt et al. (2007). This task differed from traditional NP tasks by using emotionally valent facial expressions as primes and targets. Existing literature and meta-analyses (Glaser & Banaji, 1999; Herring et al., 2013) reported stronger effects using pictures and symbols as primes in related clinical groups like depression, indicating the appropriateness of emotional faces for assessing affective priming effects. This method had not been previously applied in patients with FNSDs.

This task assessed emotion and attention processing biases for positively- and negatively-valent facial expressions. It comprised two trial types. The first (T1) involved only prime and target stimuli to evaluate congruency effects, and the second (T2) comprised two consecutive pairs of trials (prime and probe) to assess interference effects. A control condition was created in T1 when the prime and target were emotionally congruent, whereas, in T2, the control condition was when the distractor of the prime trial and the target of the probe trial was emotionally incongruent. Experimental conditions were formed by the opposite arrangement of the facial expressions in the prime/target pairs as in T1 or prime distractor and probe target trial pair in T2. See Table 21 below for an overview of the control and experimental conditions.

Table 21. Condition characteristics of prime/probe trials and control and experimental conditions.

A picture containing text, screenshot, font, number

Description automatically generatedTable 21. In the experiment condition, the valence of the prime-trial distractor and the probe target are the same. In the control condition, there is no such similarity between the prime and probe.

Stimuli: Stimuli comprised static images displaying 16 female faces portraying positive (happy) and negative (angry) expressions. Images of 3 additional models were used during the practice trials. These images were selected from the Karolinska Directed Emotional Faces (Lundqvist et al., 1998), which are black-and-white photographs of Caucasian individuals portraying a variety of facial expressions. Expressions of the different emotion categories of the KDEF do not differ in arousal (Goeleven et al., 2008), assuring that observed priming effects cannot be attributed to differential arousal effects. All pictures depicted a frontal view of the faces from the neck to the top of the head. All pictures were cropped just below the chin, above the hairline, and at the start of each ear, and all the selected facial images were similar in size, brightness, and other image properties.

Angry faces served as negative prime stimuli, while happy faces were used to investigate the automatic processing of positive facial expressions. These facial expressions have been previously utilised in affective priming studies (S. T. Murphy et al., 1995; S. T. Murphy & Zajonc, 1993) and in an FNSD population (Bakvis et al., 2011).

Eight of the KDEF models, expressing happiness and anger in separate images, were used as prime stimuli. Another eight identities displaying happy and angry expressions from the KDEF were used as targets. These target identities differed from the prime identities. To ensure all emotions were appropriately categorised, a pilot study with control participants (n=6) was also tasked with rating the emotional valence of another six models.

Prime stimuli were randomly assigned to the 24 targets, creating four pair conditions: 12 affectively congruent (these served as control trials; 6 positive–positive, six negative–negative) and 12 incongruent (6 positive–negative, six negative–positive) were generated for each block. A KDEF model's angry and happy face was presented as a prime or target six times over the 72 trials.

Design:Participants were instructed to disregard the prime stimulus and respond quickly and accurately to the target emotion. Responses and reaction times were recorded by pressing "a" for an angry expression or "h" for a happy expression on a standard QWERTY keyboard. Reminders of the keys for emotion categorisation were displayed in the lower corners of the computer screen throughout the experiment.

In the first condition, participants were shown two emotionally valent photographs in quick succession, a prime and a target emotion (happy or angry) and pressed a keyboard button corresponding to the target emotion. In the second condition, the prime (or 'distractor') emotion on one trial became the target emotion stimuli on the subsequent trial. This created a situation where previous attention to the distractor (negative affective stimuli) could interfere with the subsequent processing of the target. The level of this interference, or the delay in response times to previously ignored negative stimuli, served as a measure of negative attentional bias. Participants were unaware of this design by ensuring a continuous flow of individual trials without any indication of the change in trial type.

Six practice trials were conducted where targets were presented with primes, and feedback was given for incorrect responses. No feedback was given during the experimental phase. However, participants needed to respond correctly to 80% of the practice trials before proceeding to the experimental trials.

A trial began with a central '+' presentation on a blank screen for 2,000ms. This was followed by presenting a prime stimulus in the centre of the screen on a white background for 200ms, then the target stimulus, resulting in a stimulus onset asynchrony (SOA) of 200ms between prime and target presentations. Shorter SOAs (e.g., <300ms) are common in related research, where results have shown that emotional facial expressions can be processed subliminally (Hermans et al., 2001). The target remained on screen for a maximum of 5,000ms but disappeared as soon as a response was given.

The subsequent trial always began 1,300ms/3 secs after a response was given. The experimental trials were divided into three blocks, each containing 24 trials, totalling 72 trials. Participants were informed that they could take breaks before continuing without leaving the browser and could initiate the start of the next block by pressing the spacebar. Primes and targets were randomly presented across the 72 trials, divided into three blocks. The sequence of trials was randomised for each participant.

Figure 10. The NAP task (modified from (Joormann, 2004))

*A picture containing diagram, sketch, line

Description automatically generated*

Note: Procedure and timing of the NAP task trial included in the study.

Behavioural Task—Delay Discounting Task

Delay discounting was quantified with a computerised, widely used 27-item measure - The Monetary Choice Questionnaire (MCQ), based on one developed by Kirby & Maraković (1996;). On each trial, participants are presented with a hypothetical choice between a sum of money available immediately and a larger sum for which they must wait (varying between 7 and 186 days). Participants were presented with 27 choices between smaller immediate rewards (SIRs) and larger delayed rewards (LDRs). For example, on the first trial, participants were asked, "Which amount would you prefer?" with two options presented in boxes "£54 today" or "£55 in 117 days". See Figure 11 below. The participant indicated their preferred amount by clicking the option box with their mouse/pad. The values used in all 27 trials are shown in Table n. The order of the questions on the questionnaire is shown in the first column. The order was contrived such that the trial order did not correlate with the SIR or LDR amounts, their ratio, their difference, the delay to the LDR, or the discount rate corresponding to indifference between the two rewards. This task took participants approximately 7 minutes.

The 27 choices define ten ranges of discount rates. Eight ranges are bounded above and below, and two represent the endpoints (choices of all 27 immediate rewards or all 27 delayed rewards). Participants were assigned a k value corresponding to the geometric midpoint of one of the eight ranges or one of the two endpoint values based on their choices of immediate reward across trials.

This value was an estimate of a participant's discounting-rate parameter and is modelled in the following equation:

*V = A / (1 + kD)*

Where:

V is the present value of the delayed reward.

A is the amount of the delayed reward.

D is the delay until the reward.

k is the discounting rate (the parameter that describes the individual's degree of delay discounting)

For example, in the case of question 19, which offered participants a choice between "£33 Today" and "£80 in 14 days," a participant with a discount rate of 0.10 would be indifferent between these two rewards. If the immediate reward was chosen in this trial, it was inferred that the participant's discount rate exceeded 0.10. Question 4 offered a choice between "£31 Today" and "£85 in 7 days." Here, a participant with a discount rate of 0.25 would be indifferent. If the delayed reward was chosen in this instance, it was inferred that the participant's discount rate was less than 0.25. Taken together, this person's discount rate would be between 0.10 and 0.25, and the midpoint of this interval provided an estimate of the person's k value, calculated using the geometric mean to avoid underweighting the smaller of the two rate parameters. In this example, k was 0.16.

Figure 11. The computerised Monetary Choice Questionnaire.

A picture containing text, screenshot, font, line

Description automatically generated

Self-report measures:

Demographic and health characterisation questionnaire: The research team designed a questionnaire to capture information on demographics and relevant information regarding any functional neurological symptoms the patient experiences. This included questions regarding the type and number of FNSD symptoms. Other self-report measures (provided and described in Appendix A) included Mood Zoom (Tsanas et al., 2016), The Generalised Anxiety Disorder 7-item scale (GAD-7; Kroenke et al., 2010), Patient Health 9-item Questionnaire (PHQ-9; Kroenke et al., 2001), Patient Health 15-item Questionnaire (PHQ-15; Hinz et al., 2017; Kroenke et al., 2002), The Difficulties in Emotion Regulation Scale (DERS; Gratz & Roemer, 2004), The EuroQol 5-dimension 3-level Scale (EQ-5D-3L; (EuroQol, 1990), the Self-efficacy Assertiveness Social Support Scale (EASE; Michaelis et al., 2019).

### 5.2.6 Analysis

A mixed-measures design was used. The independent between-subjects variable was the group (patient versus healthy control) for all measures and tasks. Condition (control or experimental) and valence (positive or negative) were used as within-group variables in the NAP task. The dependent variables were delay discounting rates, NAP effect indices and total scores on the self-report questionnaire.

### 5.2.7 Data

Questionnaire and Missing Data

All questionnaire data were scored according to the instructions in the respective questionnaire scoring manuals. The gorilla experiment was configured to disallow continuation without completing all necessary fields. This means that no data were missing.

Negative Affective Priming Task

In the NAP task, accuracy rates (number and percentage correct) and reaction time to correctly answered trials were measured for each trial. The difference between the reaction time (RT) to the correctly answered probe trials of experimental and control conditions was calculated to analyse valence-dependent NAP effects. This was calculated for both positive and negative targets using the following formula:

*Priming index = RT experimental – RT controlled*

The calculations were guided by previous NAP studies (Goeleven et al., 2006; Joormann, 2010). A positive value indicates that the response in the NAP probe trials was delayed (NAP effect). In contrast, a negative value reflects the absence or reduction of the NAP effect.

An interference index score for positive and negative distractors was calculated to analyse whether NAP probe responses require a heightened inhibition effort compared to prime responses. This was based on a previous study by Falquez et al. (2016). The index was the difference between RT to NAP probes and NAP primes of the same valence, divided by the RT to NAP prime. The index was calculated separately for negative and positive targets in the experimental conditions only, using the following formula:

A positive value indicates that a greater inhibition effort was required for probes compared to primes, implying that responding to the probe was more difficult or cognitively demanding; lack of a difference or a negative value reflects a diminished interference effect. This index was used to control for possible overall speed differences between participants (Falquez et al., 2016). The interference index score was further analysed by running repeated-measures ANOVA comparing the NAP positive versus NAP negative interference indices, i.e., the inhibition effort of priming negative or positive distracter words.

Following recommendations by Koppehele-Gossel et al. (2020), a-priori cut-offs of 300 milliseconds and 1,000 milliseconds were used to exclude outlying reaction times, treating response times beyond these cut-offs and response times from incorrect responses as missing values.

Delay Discounting

Previous studies using both real and hypothetical rewards (e.g., [Benzion, Rapoport, & Yagil, 1989](https://ovidsp-dc2-ovid-com.sheffield.idm.oclc.org/ovid-b/ovidweb.cgi?QS2=" \l "81); [Green et al., 1994](https://ovidsp-dc2-ovid-com.sheffield.idm.oclc.org/ovid-b/ovidweb.cgi?QS2=#90); [Green, Fry, & Myerson, 1994](https://ovidsp-dc2-ovid-com.sheffield.idm.oclc.org/ovid-b/ovidweb.cgi?QS2=#91); [Raineri & Rachlin, 1993](https://ovidsp-dc2-ovid-com.sheffield.idm.oclc.org/ovid-b/ovidweb.cgi?QS2=" \l "113); Kirby, 1997; Kirby & Maraković, 1995, 1996) have shown a magnitude effect on discount rates, with discount rates decreasing as reward amounts increase. This effect was examined in the study by grouping the delayed rewards used in the questionnaire into three reward sizes: small (£25 to £35), medium (£50 to £60), and large (£75 to £85). Each category included trials corresponding to each of the nine levels of impulsiveness. The discount rate estimation procedure was repeated for the nine trials within each reward-size category, assigning each participant a different k value for small, medium, and large delayed rewards.

This was done utilising an automated MCQ-27 calculator developed by Kaplan et al. (2014), which was used to calculate several discount rates (overall k, small, medium, large, and composite k), log and natural log transformations of discount rates, consistency scores, were also obtained for each individual before computing the summary statistics for group comparisons. As for all analyses, the log-transformed variable was used.

### 5.2.8 Statistical Analysis

Descriptive statistics for demographic and baseline health data and inferential statistics for examining relationships between variables and testing hypotheses related to delay discounting and negative attentional bias were conducted.

Data were screened for normality using the Kolmogorov-Smirnov test, p>.05. Homogeneity of variance was assessed by Levene's test of homogeneity of variances and covariance by Box's M. The elevated risk of Type 1 errors associated with multiple comparisons was controlled using the Benjamini-Hochberg procedure and a False discovery rate (FDR) of 0.05.

Two-sample t-tests and Mann-Whitney U tests were used for continuous data to compare groups. Chi-squared tests (Fisher's exact test where cells had less than five values) were used for categorical data. Repeated measures ANOVAs were used for within-group analysis. For the NAP task, condition (control vs experimental) and valence (positive vs negative) were used as within-group variables for effects on the accuracy, reaction times and NP/interference effect.

Exploratory correlation analyses examined relationships between the objective cognitive testing (DD estimates and NAP indices) and subjective self-report questionnaire data. Pearson or Spearman's correlation coefficients were used as appropriate, with the strength of association interpreted using standard cut-off values: 0.10-0.39 indicated a weak correlation, 0.40-0.69 a moderate correlation, and >0.70 a strong correlation (Schober, Boer, & Schwarte, 2018).

Multiple Linear Regression Models were used to examine demographic, clinical, psychopathological, and health indicators of affective cognition estimates, namely, the NAP indices and discounting rates in FNSD patients. These predictor variables included any of the DERS, generalised anxiety, depression, QOL, and somatic symptom severity score that was found to correlate in the exploratory correlation analysis; demographic variables of gender, socioeconomic status, and current mood found to moderate delay discounting in the literature (Malesza, 2019a); and other demographic or clinical variables to obtain a good model fit. The models were implemented separately for each group: Functional Neurological Symptom Disorder (FNSD) patients and healthy controls, allowing the identification of unique predictors within each group. The models were evaluated based on the Akaike Information Criterion (AIC) and checked for overdispersion. The analysis was performed using the GLM function in R statistical software.

### 5.2.9 Ethical Considerations and Regulatory Approvals

This study received ethical approval from an appointed local research committee (REC Reference: 21/PR/0398/ IRAS 292166). The research department at the Sheffield Teaching Hospitals NHS Foundation Trust granted research governance approval. The study complied with the standard operating procedures at STH, and the research department at Sheffield Teaching Hospitals NHS Trust reserved the right to audit or inspect the study files. Informed written consent was obtained from all participants. All participants were made aware in written form that they were not obliged to participate in the study and were free to withdraw at any point without giving a reason and without adverse consequences to their medical care. Only standardised questionnaires and measures with well-established reliability and validity were utilised in this study. Sheffield Teaching Hospitals NHSFT (STH NHSFT) was the sponsor for this study based in the United Kingdom and acted as the data controller for this study. All information collected during this study was anonymised, kept confidential and in full compliance with the General Data Protection Regulation (GDPR).

## 5.3 Results

### 5.3.1 Confirming diagnosis of patients recruited online

Twenty-one of 27 clinicians responded to our request to confirm their patient’s diagnosis. All of these confirmed the diagnosis of FNSD with no comorbid neurological disorder that could partially explain the patient’s symptoms.

### 5.3.2 Descriptive Statistics

Demographic and Clinical Characteristics

In the study sample, the FNSD and HC patients were of similar age and gender distribution. The two groups significantly differed in self-rated socioeconomic status, ethnicity, employment status, level of education, levels of diagnosed anxiety, diagnosed depression, diagnosed PTSD, diagnosed OCD, previous psychological treatments and current number of prescribed medications. Demographic and clinical statistics are reported in Table 22.

Table 22. Demographic and clinical comparison of patients with FNSD and healthy controls

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristic** | **FNSD (n =59)** | **HC (n= 63)** | **P.value** |
| **Age, mean (SD)** | 37.3 (17.9) | 38.5 (10.8) | 0.925a |
| **Female, n (%)** | 45 (76.3%) | 41 (65.1%) | 0.176c |
| **Socioeconomic ladder, median (range)** | 5 (1 – 9) | 6 (3 – 9) | <0.001c\*\*\* |
| **Ethnicity, n (%)**  Asian  Black  White  Multiple/mixed | 1 (1.7)  1 (1.7)  56 (94.9)  1 (1.7) | 6 (9.5)  12 (19.0)  41 (65.1)  4 (6.3) | <0.001c\*\*\* |
| **Economically active, n (%)**  In any paid work, n (%)  Full-time education, n (%)  Full-time carer/homemaker  On leave/out of work due to illness or disability, n (%)  Retired, n (%) | 22 (37.3%)  7 (11.9%)  0 (0)  24 (40.7%)  6 (10.2%) | 49 (77.8%)  4 (6.3%)  8 (12.7%)  1 (1.6%)  1 (1.6%) | <0.001c\*\*\* |
| **Level of education, n (%)**  No educational qualifications  Secondary/High School Education  Trade or Vocational Education  Post-secondary Certificate/Diploma  Higher Education Degree  Post-graduate qualification  Professional qualification | 1 (1.7%)  8 (13.6%)  9 (15.25%)  14 (23.7%)  8 (13.6%)  10 (16.9%)  9 (15.3%) | 1 (1.6%)  8 (12.7%)  6 (9.5%)  6 (9.5%)  26 (41.3%)  10 (15.9%)  6 (9.5%) | 0.032c\* |
| **N. Comorbid health conditions, n (%)**  Any Cancers  Any Digestive Tract Disease  Any Heart Disease  Any Lung and Respiratory Disease  Asthma  Diabetes  Epilepsy  Physical Trauma  High Blood Pressure  None | 1 (1.7%)  4 (6.8%)  4 (6.8%)  8 (13.6%)  0 (0)  4 (6.8%)  1 (1.7%)  4 (6.8%)  5 (8.5%)  28 (47.5%) | 0 (0)  2 (3.2)  0 (0)  0 (0)  1 (1.6)  1 (1.6)  0 (0)  0 (0)  1 (1.6)  57 (90.5) | <0.001c\*\*\* |
| **Diagnosed Anxiety, n (%)** | 38 (64.4%) | 0 | <0.001d\*\*\* |
| **Diagnosed depression, n (%)** | 30 (50.8) | 0 | <0.001d\*\*\* |
| **Diagnosed PTSD, n (%)** | 20 (33.9) | 0 | <0.001d\*\*\* |
| **Diagnosed OCD, n (%)** | 5 (8.5) | 0 | 0.024d\* |
| **Previous psychological treatment, n (%)** | 33 (55.9%) | 21 (33.3%) | 0.012c\* |
| **Medication, median (range)**  0  1  2 – 5  6+ | 9 (15.3%)  15 (25.4%)  22 (37.3%)  13 (22.0%) | 56 (88.8%)  3 (4.8%)  4 (6.3%)  0 (0) | <0.001d\*\*\* |

*Note: Economically active = in full - / part-time work/education or homemaker. Previous psychological treatment = patient has previously received psychological therapy. Medication = median number of prescribed medications. Student’s t-test (a); Mann-Whitney U test (b); Pearson’s chi-square (c) or Fisher’s exact test (d). Significance set at 0.05; <0.001\*\*\*, <0.01\*\*, <0.05\*.*

### 5.3.3 Between-group comparisons

In the study sample, FNSD patients had significantly greater scores for difficulty with emotion regulation, depression, anxiety, somatic symptoms and quality of life than the healthy control group. The overall discounting rate and specific discount rates for medium and large rewards were also significantly different between the two groups. However, the difference in rates for small rewards (£25 to £35) did not reach significance. The overall proportion of larger delayed rewards (LDR) chosen differed between groups. In regard to the negative affective priming task, reaction times in the control probe trials (i.e. incongruent distractors-prime and probe-targets) were different between groups. The NAP and interference indices for negative stimuli were also significant, indicating that negative stimuli influence FNSD patients and HC differently when it comes to priming and inhibition effects.

Table 23. shows the between-group analysis of the study’s clinical and cognitive variables between the FNSD and healthy control groups.

Table 23. Between-Group Analysis of study clinical and cognitive variables

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | **FNSD (n=59 )** | **HC (n=63 )** | **Z** | **p-value** |
| ***DERS, mean (SD)*** | 97.4 (29.8) | 55.9 (14.0) | -7.58 | <0.001\*\* |
| ***PHQ-9, mean (SD)*** | 13.12 (6.5) | 1.56 (2.1) | -8.75 | <0.001\*\* |
| ***PHQ-15, mean (SD)*** | 14.05 (6.2) | 1.90 (1.9) | -9.15 | <0.001\*\* |
| ***GAD-7, mean (SD)*** | 10.42 (5.2) | 1.52 (2.2) | -8.61 | <0.001\*\* |
| ***EQ-5D-3L utility, mean (SD)*** | 0.47 (0.40) | 0.92 (0.10) | -7.44 | <0.001\*\* |
| ***EQ-5D-3L VAS, mean (SD)*** | 50.2 (21.6) | 83.2 (8.5) | -7.69 | <0.001\*\* |
| ***Overall k, mean (SD)*** | 0.04 (0.03) | 0.01 (0.03) | -2.45 | 0.014\* |
| ***Small k, mean (SD)*** | 0.04 (0.06) | 0.02 (0.03) | -1.87 | 0.062 |
| ***Medium k, mean (SD)*** | 0.06 (0.08) | 0.02 (0.03) | -2.24 | 0.025\* |
| ***Large k, mean (SD)*** | 0.03 (0.06) | 0.01 (0.03) | -2.37 | 0.018\* |
| ***Composite Consistency, mean (SD)*** | 96% (5.00) | 95% (4.00) | -0.55 | 0.579 |
| ***Overall Proportion (LDR chosen), mean (SD)*** | 44% (25%) | 77% (28) | -5.85 | <0.001\*\* |
| *NAP Prime trials:* | **FNSD (n=34 )** | **HC (n=44)** | **t** | **p-value** |
| ***Positive valence (C), mean RT in ms*** | 696.8 (131.4) | 671.5 (167.3) | -0.73 | 0.471 |
| ***Positive valence (E), mean RT in ms*** | 713.4 (109.8) | 678.6 (163.4) | -0.90 | 0.369 |
| ***Negative valence (C), mean RT in ms*** | 713.3 (119.0) | 682.0 (172.4) | -1.07 | 0.289 |
| ***Negative valence (E), mean RT in ms*** | 726.9 (141.8) | 712.1 (171.4) | -0.41 | 0.684 |
| *NAP Probe trials:* | **FNSD (n=34)** | **HC (n=44)** | **U** | **p-value** |
| ***Positive valence (C), mean RT in ms*** | 7024 (125.2) | 689.2 (181.3) | 565.5 | 0.002\* |
| ***Positive valence (E), mean RT in ms*** | 733.8 (111.6) | 761.0 (174.8) | 634.0 | 0.068 |
| ***Negative valence (C), mean RT in ms*** | 756.5 (147.2) | 692.9 (161.9) | 609.5 | 0.008\* |
| ***Negative valence (E), mean RT in ms*** | 728.7 (132.4) | 795.4 (172.4) | 738.5 | 0.912 |
| ***NAP index - positive, mean*** | 31.3 (125.1) | 71.6 (114.7) | 623.0 | 0.210 |
| ***NAP index – negative, mean*** | -27.82 (117.5) | 93.4 (106.11) | 310.0 | <0.001\*\* |
| ***Interference index - positive*** | 0.08 (0.14) | 0.12 (0.15) | 583.0 | 0.097 |
| ***Interference index - negative*** | -0.02 (0.14) | 0.07 (0.13) | 495.0 | 0.011\* |

*Note: Student’s t-test used for parametric data. Mann-Whitney U test was used for non-parametric data. DERS – Difficulties in Emotion Regulation Scale; PHQ-9 – Patient Health Questionnaire-9 (depression); PHQ-15 – Patient Health Questionnaire-15 (Somatic symptoms); GAD-7 – Generalised Anxiety Disorder-7 (anxiety); EQ-5D-3L – EuroQol 5-dimension -3-level scale (QOL).*

### 5.3.4 Delay discounting

Both groups responded to items with similar degrees of consistency, FNSD: mean = 96.0 (+-5.0); HC: mean = 94.5% (+-3.9); p<0.001). FNSD participants showed significantly steeper discounting than HC participants at both medium and large LDR sizes. At small LDR sizes, patients showed a nonsignificant trend towards steeper discounting (p=0.062).

### 5.3.5 Negative Affective Priming Effects

Behavioural Data – NAP

The average accuracies and reaction times for each probe condition across the FNSD and healthy control groups are presented in Table 23 and Figure 23. Following recommendations by Koppehel-Gosel et al. (2020), outlying reaction times below 300 and above 1000ms were eliminated from the analysis (18.6%). Only correct responses were analysed (>95.8% across trials). Normality tests were not significant for the reaction time variables, so normal distribution was assumed. Priming and interference indices were, however, treated as non-parametric data. Table n above provides descriptive statistics for each level of valence and condition for each group.

*NAP Prime trials (Single prime-target trials)*

A repeated measures ANOVA of prime reaction times showed a significant main effect of valence (F(1, 103) = 8.53, p = 0.004), indicating that the mean reaction time of prime trials differed between positive and negative target expressions. There was no main effect of condition (F(1,103) = 3.52, p=0.063), demonstrating that there were no differences between control vs experimental trial reaction times, across both FND & comparator groups.

A between-group difference was also observed, F(1, 103) =14.2, p < 0.001, η2p = 0.121 for prime reaction times. This indicates that the reaction times differed significantly between groups. A significant interaction was found between valence and group, F(1, 103) = F-value, p < .05, but not condition and group, suggesting that the effect of valence on the prime reaction times were not consistent across groups.

Post hoc analysis with a Benjamini-Hochberg adjustment revealed that HC reaction times were significantly lower than FNSD patient reaction times (-189 (95% CI: 182,197ms), p< 0.001). Negative prime reaction times were statistically significantly lower than positive (-21.9 (95% CI: 15, 28ms), p= 0.004). Table 24 below shows the Valence \*group comparisons. Significant differences across valence and between groups were found in all comparisons except between reaction times to positive and negative stimuli in HCs (corrected p =0.538).

Table 24. Prime trials post Hoc Tests – Valence \* Group

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Valence | Group |  | Valence | Group | MD | SE | DF | T | Pcorrected |
| Positive | HC | - | Positive | FNSD | -173.53 | 47.4 | 103 | -3.659 | 0.002 |
|  |  | - | Negative | HC | -6.19 | 10.0 | 103 | -0.618 | 0.538 |
|  |  | - | Negative | FNSD | -211.07 | 51.1 | 103 | -4.132 | < .001 |
|  | FNSD | - | Negative | HC | 167.34 | 50.4 | 103 | 3.319 | 0.003 |
|  |  | - | Negative | FNSD | -37.54 | 11.1 | 103 | -3.374 | 0.003 |
| Negative | HC | - | Negative | FNSD | -204.88 | 53.9 | 103 | -3.803 | 0.001 |

Note: Marginal mean differences of prime trial reaction times, comparing Valence\*Group.

*NAP Probe trials (Prime-distractor, probe-target trials)*

Another repeated measure ANOVA in probe trials did not reveal significant main effects of valence but of condition (F(1,103)=14.8, p<0.001), i.e. control (incongruent prime-distractor and probe-target) versus experimental (congruent prime-distractor and probe-target) trials. A significant group interaction effect was also observed with condition and group, indicating that the effect of the condition on the probe reaction times was not consistent across groups. A three-way interaction (valence\*group\*condition) was also significant (F(1,103)=4.0, p=0.048, η2p = 0.037), suggesting that the effect of valence on the probe trial reaction times is not consistent across HC and FNSD nor the experimental and control conditions. A significant between-group effect was also found (F(1,103)=10.9, p=0.001).

Post-hoc comparisons revealed significantly higher reaction times in the experimental probe trials in HCs only. This difference was also significant when considering the valence of the stimuli, i.e., mean RTs to experimental probe trials were greater than controls with both positive and negative stimuli. However, the difference between positive and negative experimental trials RTs were not significant. The only significant differences found within the FNSD patient group was between positive and negative control trials. The average RT for each probe condition is presented in Figure 12.

Figure 12. Mean RT to probe trials in the control and experimental trials.

**A picture containing text, screenshot, sketch, diagram

Description automatically generated**

*Figure 12. Mean RT to probe trials by group and valence in the control and experimental trials. (\*) p<0.01. Valence refers to the valence of target stimuli. Control trials were those in which prime distractors and probe target were of incongruent valence, while in experimental trials the valence of these stimuli were congruent.*

*NAP Effect using a priming index*

A repeated-measures ANOVA of NAP RT difference scores did not show a main effect of valence [F(1,76) = 1.31, p = 0.25, η2p = 0.017], indicating that priming effects (facilitation of target responses based on reaction time) were not dependent on the valence of the prime or target. But main between-group [F(1,76) = 15.3, p <0.001, η2p = 0.107] and group\*valence interactions [F(1,76) = 6.2, p = 0.015, η2p = 0.027] were significant, indicating a difference in priming effects between groups.

In a post-hoc analysis of the interaction effects, the FNSD patients were associated with a lower mean priming effect index than HCs (MD=80.7, SE =20.7, pcorrected<0.001). Patients with FNSD had lower NAP indices for negatively valent stimuli (MD=121.2, SE =25.4, pcorrected<0.001) than HCs but not positively valent stimuli (MD=40.3, SE =27.2, pcorrected=0.287).

Figure 13. NAP Effect Estimated Marginal Means – Group (FNSD vs HC) x Valence (Positive vs Negative)

*A graph of a group

Description automatically generated with medium confidence*

*Figure 13. Marginal means (CI) of NAP difference indices computed as RT experimental trial – RT control trial for probe trials of both valences and group. Group 0 – HC, 1 - FNSD. Significant mean diff found only between HC and FNSD for negative trials. No other significant differences between relevant data points. For HC: Positive stimuli (mean 71.6, SE =18.0, 95% CI 35.8- 107.4) and negative stimuli (mean 93.4, SE =16.8, 95% CI 60.03- 126.8). For FNSD: Positive stimuli (mean 31.3, SE =16.8, 95% CI -9.42- 72.1) and negative stimuli (mean -27.8, SE =19.1, 95% CI -65.8- 10.2).*

*Interference effects*

The analysis of the probe trial interference index showed a significant main effect of valence [F(1,76) = 10.08, p = 0.002, η2p = 0.117], revealing a difference in the interference and, therefore, inhibition effort needed between negative and positive target trials. There was a significant effect of the group [F(1,76) = 3.5, p = 0.037, η2p = 0.084] but a non-significant valence\*group effect.

A significant difference was found between interference effects with positive and negative valent stimuli (0.07, pcorrected = 0.002). Specifically, the positive target interference was associated with a higher mean score compared to the negative target interference (MD 0.074, SE = 0.02) in both FNSDs and healthy controls, indicating greater inhibition of the positive distractor in the prime trial was required to respond correctly to the positive target in the probe trial. Furthermore, the interference indices for negative stimuli was also significantly lower in the FNSD patient group than in healthy controls; this did not reach significance for positive stimuli.

Figure 14. Interference Effect Estimated Marginal Means – Valence x Group

A diagram of positive and negative

Description automatically generated with low confidence

*Figure 14. Experimental and CT indices computed by the ratio [(RT probe negative target – RT prime negative target)/RT prime negative target] for affective prime distractors of both control and experimental conditions. Significant mean difference found between HC and FNSD for negative trials and between FNSD positive and negative trials. No other significant differences between relevant data points. The statistics imputed for the marginal means plot: For HC - Positive stimuli (mean 0.118, SE =0.022, 95% CI 0.075- 0.161) and negative stimuli (mean 0.069, SE =0.020, 95% CI 0.029- 0.109). For FNSD - Positive stimuli (mean 0.084 SE =0.025, 95% CI 0.036- 0.133) and negative stimuli (mean -0.015, SE =0.023, 95% CI -0.061- 0.031).*

### 3.6 Exploratory Analysis - Correlations

Among FNSD patients, the log-transformed k’s (DD estimate), overall and across all LDR sizes, positively correlated with GAD-7 scores (r’s= 0.26–0.3; p’s<0.05). Only small reward k values significantly correlated with when patients were feeling anxious (r=0.28, p<0.05) or irritable (r=0.29, p<0.05) at the time of completing the task. Overall k and k values for small and medium rewards were also negatively correlated with self-rated socioeconomic status (r’s= -0.35–-0.26; p’s<0.05). The DD estimates did not significantly relate to other included measures (age, socioeconomic status, the number of medications, PHQ-9, PHQ-15, DERS, or EQ-5D-3L (p’s>0.25). These findings differed in HC participants where overall and the small, medium and large values of k significantly correlated with current feelings of anger and irritability. There were no significant correlations between the priming and interference indices and any of the self-report questionnaires, or current mood in our patient group.

In healthy controls, the interference index for angry stimuli correlated with the DERS total score (r=0.41, p<0.001) and GAD-7 scores were significantly correlated with the interference index for both angry (r=0.41, p<0.001) and happy stimuli (r= 0.26, p =0.04). See the full correlation matrices for HC and FNSD participants in Appendix F.

In the FNSD group, after adjusting for gender, SES rating, and previous psychological treatment, overall, small, medium and large k’s did not remain associated to GAD-7 scores, gender or self-rated socioeconomic status. The overall model test for each outcome variable was significant (p<0.05), and R2 values varied between 0.27 - 0.35. Residual analysis suggested that the assumptions of the linear regressions were adequately met.

Table 25 shows coefficients for GAD-7, sex, current feelings of anxiety, SES ladder and previous psychological treatment for delay discounting estimates at different reward magnitudes and overall.

Table 25. Multiple Regression Analysis of Delay discounting estimates (k) in the FNSD population (n=59).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Outcome | **Predictor** | **Beta** | **SE** | **p-value** | **95% Low CI** | **95% Upper CI** |
| Overall k | Intercept |  | 0.05 | 0.654 |  |  |
| GAD-7 | 0.28 | 0.00 | 0.165 | -0.12 | 0.68 |
| Female – Male | 0.18 | 0.02 | 0.590 | -0.48 | 0.84 |
| SES ladder | -0.11 | 0.01 | 0.472 | -0.43 | 0.20 |
| Currently anxious  2-1  3-1  4-1  5-1  6-1  7-1 | 0.55  0.52  0.46  0.01  -0.53  0.39 | 0.03  0.04  0.03  0.04  0.05  0.05 | 0.244  0.309  0.331  0.983  0.450  0.590 | -0.39  -0.49  -0.48  -1.02  -1.91  -1.05 | 1.49  1.52  1.41  1.04  0.86  1.82 |
| Previous Psych Treatment | 0.30 | 0.02 | 0.298 | -0.27 | 0.87 |
| Small k | Intercept |  | 0.04 | 0.607 |  |  |
| GAD-7 | 0.11 | 0.00 | 0.581 | -0.28 | 0.50 |
| Female – Male | 0.02 | 0.02 | 0.955 | -0.62 | 0.66 |
| SES ladder | -0.27 | 0.00 | 0.076 | -0.58 | 0.03 |
| Currently anxious  2-1  3-1  4-1  5-1  6-1  7-1 | 0.49  0.25  0.65  0.45  -0.20  1.02 | 0.03  0.03  0.03  0.03  0.04  0.04 | 0.280  0.603  0.161  0.367  0.765  0.145 | -0.41  -0.72  -0.27  -0.54  -1.54  -0.37 | 1.40  1.23  1.56  1.44  1.14  2.41 |
| Previous Psych Treatment | 0.46 | 0.02 | 0.105 | -0.10 | 1.01 |
| Medium k | Intercept |  | 0.06 | 0.593 |  |  |
| GAD-7 | 0.28 | 0.00 | 0.171 | -0.13 | 0.69 |
| Female – Male | 0.46 | 0.03 | 0.173 | -0.21 | 1.14 |
| SES ladder | -0.05 | 0.01 | 0.738 | -0.37 | 0.27 |
| Currently anxious  2-1  3-1  4-1  5-1  6-1  7-1 | 0.69  0.55  0.10  0.11  -0.77  0.03 | 0.04  0.04  0.04  0.04  0.06  0.06 | 0.149  0.288  0.834  0.835  0.276  0.962 | -0.26  -0.48  -0.86  -0.93  -2.17  -1.42 | 1.65  1.57  1.06  1.15  0.63  1.49 |
| Previous Psych Treatment | 0.18 | 0.02 | 0.534 | -0.40 | 0.76 |
| Large k | Intercept |  | 0.04 | 0.558 |  |  |
| GAD-7 | 0.28 | 0.00 | 0.180 | -0.13 | 0.68 |
| Female – Male | 0.14 | 0.02 | 0.684 | -0.54 | 0.81 |
| SES ladder | -0.04 | 0.00 | 0.787 | -0.36 | 0.28 |
| Currently anxious  2-1  3-1  4-1  5-1  6-1  7-1 | 0.57  0.44  0.47  -0.04  -0.53  0.50 | 0.03  0.03  0.03  0.03  0.04  0.05 | 0.238  0.388  0.330  0.935  0.454  0.498 | -0.39  -0.58  -0.49  -1.09  -1.94  -0.96 | 1.52  1.47  1.43  1.00  0.88  1.95 |
| Previous Psych Treatment | 0.23 | 0.02 | 0.425 | -0.35 | 0.82 |

*Note: Multiple linear regression analysis was for the FNSD population. Regression model statistics for each of the outcome variables, p<0.05. Note: Beta = standardised regression coefficient; SE = standard error. Note. CI = 95% Confidence Interval. GAD-7 = GAD-7 total score. Gender = (0) male, (1) female.*

## 5.4 Discussion

This exploratory study examined whether negative affective priming and delay discounting tasks would detect differences in cognitive and emotion processing in FNSDs compared to healthy controls. Patients with FNSD displayed priming but reduced interference effects for angry and happy facial expressions, notably to a different extent than healthy controls. Delay discounting was steeper in patients with FNSD, indicating a preference for less subjectively valuable immediate rewards. However, delay discounting estimates were not predicted by emotion dysregulation, anxiety, or symptomatic burden within the patient group.

### 5.4.1 Negative Affective Priming – Indications for attentional biases in FNSDs.

Reaction times for simple prime-target trials in the negative affective priming task varied between positive and negative valent facial expressions for FNSD patients and healthy controls. In general, FNSD patients had slower reaction times than healthy controls, suggesting that FNSD patients might have more difficulty or take more time to process emotional facial expressions. Significant valence interactions augmented this group difference as reaction times to negative facial expressions were significantly faster than positive facial expressions in the FNSD group but not so in HC participants, giving first indications of an attentional bias among FNSD patients. These results suggest that FNSD patients process emotional facial expressions differently and perhaps more slowly than healthy controls, particularly for positive facial expressions. Previous work supports these findings as difficulty in voluntarily disengaging attention from even emotionally neutral stimuli (Roelofs et al. 2003) has been reported in FNSDs, not to mention abnormal pre-conscious attention to emotional facial expression (Pick et al., 2018b) and threat-related facial affect (Bakvis et al., 2009)

When interpreting priming and interference results, Bargh & Chartrand (2014) emphasise the importance of considering the delay between prime and target presentations. With brief delays between prime and target (i.e., less than 250 ms), only automatic effects should influence people's response to the target. The prime should facilitate faster responses to congruent targets, as traditionally observed in priming studies. As the delay between the prime and target increases, however, strategic and more executive processing of the prime is expected to override traditional priming effects. In the current study, 200ms separated the presentation of the prime and target, which should have captured any effects on the automatic and pre-conscious processing of targets.

Probe trials in this task investigated the inhibition of irrelevant distractors, namely the reaction time delay when the target was emotionally congruent to the ignored distractor in the previous prime trial. This effect is known as the interference effect or disinhibition. The effect implies lingered distractor inhibition processes triggered in the prime trial, which would require more cognitive effort to overcome in the subsequent probe trial (May, Kane, & Hasher, 1995). Responders are thus slower to react to the target (Wentura, 1999). If this effect is not shown, it is assumed that the prime distractor stimuli could not be inhibited because of the special attention given to the valence of the prime distractors (Joormann, 2004) With our calculated indices, performance was not only analysed by the congruency of distractor–target pairs within trials (here measured by a calculated 'priming index') but as a function of the congruency between the distractor in the prime trial and the target in the probe trial (here measured by the ‘interference index’).

An interplay of factors was observed based on the interaction effects in the probe trials of the NAP task. Specifically, the effect of valence on reaction times was not consistent across the different groups nor in the experimental vs control conditions. In this study, patients with FNSD displayed lower inhibition effort for positive and negative stimuli, which were more pronounced for negative stimuli. This aligns with previous research where FNSDs have been shown to have abnormal attention toward negative or threatening stimuli (Bakvis et al., 2009; Keynejad et al., 2020; Pick et al., 2018b).

Patients may employ strategies such as avoidance or suppression of emotional responses to manage their emotional reactions. For example, (Fiess et al.2015) found that diverting attention from unpleasant emotional stimuli also predominantly activates the parietal regions in FNSD, similar to findings reported in healthy groups (Ferri et al., 2016). Evidence of impairment in both higher-level endogenous attentional control and lower-level automatic attentional orienting would support this further and collectively have led to harm-avoidance theories in FNSDs.

Related theories on FNSD pose core processes involved in the disorder's cognitive processing of emotion that would be relevant in this context. These include attentional focus, prior beliefs and expectations about illness, and deficits in control over one's actions (M. J. Edwards et al., 2013; K. Roelofs & Pasman, 2016) as discussed in the introduction of this thesis.

Inadequate top–down control of irrelevant affective stimuli is associated with poor mental health and failures in ignoring negative distractors have therefore been related to maladaptive emotion regulation strategies such as rumination, which in turn, are strongly linked to psychopathology (Espay, Maloney, et al., 2018; Fiess et al., 2015, 2016; Sojka et al., 2018, 2019; Szaflarski et al., 2018). The NAP task used in the present study may have captured one or more of these altered aspects of emotion processing in FNSD patients.

### 5.4.2 Delay Discounting

Delay discounting studies offer a way to discern differences in decision-making both between and within groups (Amlung et al., 2019; Jackson & Mackillop, 2016b). It has been observed through DD studies that there are variations in the level of delay discounting between individuals exhibiting patterns of maladaptive decision-making behaviour and those in control groups, and have provided researchers with a rationale for why individuals gamble, use drugs, overeat, or have little regard for health-related behaviour, in the respective relevant psychiatric disorders (Weinsztok et al., 2021). The rationale for use in the current study, however, was from associations found between delay discounting and high levels of stress and emotion dysregulation, which are also reported to high degrees in patients with FNSD (Malesza, 2019a, 2019b).

Our study was successful in identifying differences between the FNSD population and a control group. Patients with FNSD demonstrated steeper discounting in our research. High discounting rates are typically considered an indicator of impulsive decision-making behaviour, which has been linked to increased levels of anxiety and stress (Amlung et al., 2019). For example, individuals with anxiety disorders often show a preference for immediate rewards and prefer instant gratification, potentially as a strategy to mitigate their heightened state of arousal . Intolerance of uncertainty (IU) describes a tendency to perceive ambiguous situations as threatening and inherently negative, stemming from aberrant beliefs about the uncertainty and its consequent outcomes (Freeston et al., 1994). These beliefs include the notions that uncertainty is unjust or reflects poorly on one's character (Buhr & Dugas, 2002) and consequently precipitates feelings of distress and anxiety. As such, IU is viewed as a transdiagnostic factor across several anxiety disorders (Mahoney & McEvoy, 2012; McEvoy & Mahoney, 2012). The anxiety experienced in uncertain circumstances might trigger maladaptive behaviours, such as impulsive decision-making. In FNSD, IU could represent a mechanism that affects performance in the DD task, in keeping with the theories of attentional bias within FNSD.

Theories on emotion regulation suggest that individuals with poorly regulated emotions tend to have adapted behaviours in a bid to alleviate or down-regulate their emotions. Research on the impact of emotions on discounting rewards has shown a significant correlation between negative emotional arousal (such as feelings of stress) and higher rates of delay discounting (Fields et al., 2014; Lempert et al., 2012). Liu et al. (2013) found that positive emotions inclined individuals toward selecting the larger delayed rewards, while the induction of negative emotions (by imagining an event defined as an experience they would prefer to avoid, e.g., becoming ill, failing an exam) made individuals choose smaller but more immediate rewards. Emotional dysregulation could, therefore, also moderate this proposed framework for DD in patients with FNSD. (Malesza, 2019a, 2019b). Research on decision-making suggests that individuals have more difficulty delaying gratification during periods of acute distress. Delay of gratification involves forgoing immediate and transient sources of comfort for more delayed and meaningful outcomes. Regarding the possible relationship between stress and delay discounting, it has been suggested that experiencing stress could disrupt cognitive functioning, especially the processes linked to self-regulation, such as consistent attention or behavioural restraint; Lempert et al., 2012; Muraven & Baumeister, 2000; Worthy, Byrne, & Fields, 2014).

These factors are also addressed therapeutically. Psychotherapeutic therapies such as Cognitive Behavioural Therapy are designed to identify maladaptive thought patterns and behaviours and implement strategies to alter them (Hayes & Hofmann, 2017). Grounding techniques for introspection and prospection slow down decision-making processes and help patients consider long-term consequences over immediate rewards. For stress and anxiety, CBT's efficacy is well-documented, with skills such as mindfulness, relaxation techniques, and cognitive restructuring reducing symptoms and perhaps leading to more deliberative decision-making (Goldstein et al., 2020a; Richardson et al., 2018). Therefore, the delay discounting estimates in FNSD may be impacted by current mood, acute stress, generalised anxiety or long-term arousal or distress, and possibly reduced by the therapeutic intervention (Bailey et al., 2021).

Given the novel use of delay discounting in FNSD, no previous estimates for comparison or suitable inferences exist. In addition, little research has yet focused on the mechanisms underlying delay discounting (Frost & McNaughton, 2017). However, evidence suggests that delay discounting is at least somewhat malleable. Therefore the proposed processes leading to steeper discounting and decision-making in FNSD could be assessed and perhaps targeted for treatment. Further study would be essential to focus on elucidating the psychological and neurobiological mechanisms underlying delay discounting in FNSD and the variables that can impact those mechanisms.

In the current study, FNSD within-group analysis did not detect any sustained or significant associations with other measures of emotion dysregulation (DERS), reported levels of distress (based on generalised anxiety and current mood), nor with the results from the NAP task, which inferred abnormal emotional processing. Delay discounting estimates were only modestly related to generalised anxiety scores, and this association was not sustained when adjusting for relevant demographic factors, including gender, self-rated socioeconomic status and current feelings of stress in a regression model. On one hand, this could imply that delay discounting estimates do not capture the same underlying cognitive aspects that the self-report measures of anxiety do, and as the literature suggests, delay discounting is a function of several underlying processes (Bailey et al., 2021; Frost & McNaughton, 2017; Jimura et al., 2013). Some have argued that though discounting rates do distinguish between clinical populations and examine factors that contribute to how individuals make decisions in the real-world related to maximising benefits over time predict intertemporal choice patterns, they do not appear to be directly related to the dimensions of psychopathology in studied disorders (Bailey et al., 2021). However, the fact that the DD task and self-reported constructs failed to correlate does not definitely invalidate this objective test. The literature review included in this project demonstrated poor correlation between subjective and objective constructs. As such, the DD task may provide a useful measure but of a construct that is quite different from those captured by the self-report measures theoretically designed to measure a similar or linked construct (in this case anxiety). The fact that there were significant differences between patients and controls, support this interpretation.

Evidently, much more work is needed to elucidate the underlying links to emotional processing abnormalities, particularly in an FNSD patient group and which of these processes the delay discounting estimates capture.

### 5.4.3 Outcome Measurement using NAP and DD in FNSDs

This study yielded a limited number of significant correlations between the NAP and DD tasks and other clinical measures. However, the low convergent validity and predictive ability measured here, particularly with discounting estimates, does not indicate the redundancy of these measures in the patient group.

One study reported modest correlations among different physiological measures of stress, however a discrepancy between physiological responses and self-rated stress suggests that self-report measures may not accurately reflect the present stress levels in an individual (Keynejad et al., 2019). Subjectively, individuals may be better at recognising fluctuations in stress levels rather than acknowledging chronic stress levels. For example, someone in a state of stress might not consciously perceive the stress, although physiological indicators might suggest otherwise. This discrepancy here again, calls into question the efficacy of self-report scales and highlights their limitations, especially in recognising current stress and arousal levels and associated emotion dysregulation, and more so in a patient group with the established difficulty of self-awareness and interoception. The timeline of the self-report tasks in this study may play a significant role in this discrepancy. For instance, GAD-7 enquires about feelings within the last two weeks ago instead of the present moment as in the mood zoom questionnaire. Furthermore, the design of the current study is restricted by its cross-sectional data. The inclusion of longitudinal data would potentially provide insights into whether the tasks employed here are more sensitive to discern differences in groups of patients receiving different treatments.

### 5.4.4 Strengths and limitations

One strength of this study lies in its use of an online platform, which provided a broader geographical and socio-cultural sample, enabling a more generalisable inference. This study also benefitted from the use of well-established measures, including the Evaluative Priming Task and the Monetary Choice Questionnaire, as well as several validated clinical questionnaires. However, several limitations of the study should be noted. Firstly, the cross-sectional design limits causal inferences, and future studies employing longitudinal or experimental designs may help establish causality. The use of online platforms, although beneficial in terms of reach, also introduces certain uncontrollable factors. It is possible that the participants may not have completed the tasks in a distraction-free environment, which could impact their performance on reaction time tasks and MCQ responses.

Furthermore, potential variations in factors such as participants' hardware and internet connections, differences in device speed, screen size, or internet lag could have affected reaction time measurements and were not accounted for in this analysis. Although the sample size was calculated a-priori to be sufficiently powered to detect between-group medium-sized effects, the detection of smaller effects and the power for the more complex analyses in this study may have been affected. It is recommended that these findings be reproduced in a larger clinical sample for more robust results. Despite this, the fact that the interaction between group, valence, condition, and emotion was significant even with potential power limitations and adjusted significance levels underscores the reliability of this result. Nevertheless, this study's findings contribute to understanding how emotion processing, attentional bias and decision-making can be assessed in FNSD.

### 5.4.5 Future Research

Given that these delay discounting and negative affective priming tasks are novel approaches to assessing outcomes in FNSD, additional studies are required to ascertain their reliability and validity within this patient group. Future research in larger, sufficiently powered FNSD samples is warranted to assess both measures; ideally, this could be included as a measure in a longitudinal trial following therapy in these patients to understand how therapeutic intervention could influence delay discounting.

Further study regarding negative attentional bias could aim to investigate changes in attentional bias and the improvement of symptoms after treatment, considering potential confounding factors such as mental health disorders or medication consumption, task complexity, patients' understanding, and participant motivations.

Incorporating more specific and validated measures of the cognitive and emotional processes, such as the Intolerance of Uncertainty scale, may offer more understanding of the relevance of these tasks and convergence between implicit, objective and self-report measures. Testing in induced-stress conditions or between groups of patients with different levels of stress or arousal.

Further study is also necessary to understand the universal application of these findings. Application of the tasks in specific FNSD sub-groups may shed light on underlying processes and the influence that reducing delay discounting could have on the tendency to adopt maladaptive behaviours associated with high delay discounting gradients.

### 5.4.6 Conclusions

The tasks used in this study offer insights into the emotional, cognitive, and decision-making processes in FNSD by highlighting the potential role of stress, distress, and arousal in modifying outcome measurement in this patient group. The usefulness (and limitations) of the two simple implicit measures are here discussed. These tasks show some potential in assessing psychopathological processes related to emotion regulation, attention, and decision-making, alongside other measures, in patients with FNSD. The findings underscore the importance of using a combined approach to outcome measurement, including self-report and objective measures. However, much more research is required to explore and refine these measures for optimal use in FNSD’s.

# 6.0 Discussion

This thesis aims to contribute to understanding outcome measurement in Functional Neurological Symptom Disorders (FNSD) by describing research projects investigating subjective self-report, objective social behavioural, and implicit affective-cognition approaches to measuring patients' current state and level of functioning, which could be suitable as outcome measurement. These measures were selected for their theoretical relevance, as evidenced by previous literature establishing connections to similar psychopathological processes to those found in FNSD, and for their practical advantages, namely, their simplicity and ease of use. Moreover, these measures showed the potential to serve as indicators of a patient's health state and potential change for example, due to therapeutic intervention. Despite the growing interest in FNSD, well-suited and validated instruments for assessing the symptoms and experiences described by patients are still lacking. As such, it remains difficult to measure symptoms and their variability and to assess therapy-related change for different FNSD subtypes and treatment modalities. Moreover, providing standardised, comparable data - across research studies and in clinical contexts relative to other disorders - presents a significant challenge. Growing discussions highlight the need to develop suitable measures for this patient group (Nicholson et al., 2020).

The following sections will discuss how the present work addressed the overarching research questions in light of these challenges.

## 6.1 Patient self-report measures for FNSD outcome measurement

The use of self-report measures to assess the current health state, treatment efficacy, and treatment-related change in FNSD patients reveals both challenges and opportunities from a theoretical and methodological standpoint.

In social science, psychology, and clinical research, the individual possessing certain personality traits or experiencing specific states is generally considered the most informative data source regarding these constructs (Dang et al., 2020; Paulhus & Vazire, 2007). This is particularly relevant in FNSD, where a patient's self-perception could be as clinically meaningful, if not more so, than objective measures. For instance, the development of the self-report measure analysed in this project, the 'self-efficacy, assertiveness, social support, self-awareness and helpful thinking' (EASE) questionnaire, was inspired by the findings of a qualitative study involving epilepsy patients receiving therapy (Michaelis et al., 2018). The questionnaire focused on personal agency, resourcefulness and coping constructs and was designed to capture constructs not measured by pathology-oriented self-report tools but highly relevant and potentially amenable to psychotherapeutic intervention (Michaelis et al., 2019). By demonstrating convergent validity with other established outcome measures, the EASE illustrates its potential to serve as a complimentary measure of treatment-related change. Utilising and adapting self-report measures that are closely related to therapy-related concepts, such as constructs of resourcefulness, which may significantly impact patients' daily functioning, may prove particularly relevant to treatment-associated changes in patients' 'real lives' (Zahra et al., 2014). While the current study could not establish if the EASE scales were sensitive to the changes associated with treatment, this offers a compelling area for future investigation.

However, self-report measures also have inherent limitations. The construct under measurement can sometimes be unclear, and while individuals generally have good insight into their cognitive content, they often have limited insight into the processes that generated this content (Johansson et al., 2006).

While discrepancies between self-reported and objective measures are not limited to FNSD, these issues are amplified when dealing with FNSD patients, who may have increased dissociative tendencies, high levels of alexithymia, and strong internal expectations that can bias their perception (Demartini, Petrochilos, et al., 2014; M. J. Edwards et al., 2012; I. A. Williams et al., 2021; I. A. Williams, Levita, et al., 2018). These factors raise questions regarding the reliability of self-reported information in FNSD patients. This suggests the necessity of approaches combining subjective and objective measures, carefully considering any mismatch between them. Especially in the context of FNSD, the discrepancy between self-report and objective measures could be viewed as an important observation in its own right, interpreted as a potential marker of a genuine dysregulation of interoceptive capacity.

## 6.2 Emergency Service Use for FNSD outcome measurement

The high levels of urgent and emergency care (UEC) use documented in the cross-sectional comparison with general population usage data supports the potential role of UEC utilisation data as a measure of the current state and functioning of particular relevance for patients with FNSD. However, interpreting healthcare utilisation patterns as an indicator of current health state, treatment effectiveness, and treatment-related changes in patients with FNSD is complex and likely to require a multidimensional analytic approach.

Despite its limitations, the current research demonstrated that emergency service utilisation rates can capture treatment-associated change. While UEC service use increased steadily over the 18 months before psychotherapy, it declined during and immediately after psychotherapeutic intervention before increasing again towards the pre-treatment baseline by the end of an 18-month follow-up period. The factors underlying these patterns likely suggest a complex interplay of variables beyond the impact of the treatment itself.

Accurate comparison and analysis of treatment effects may require well-matched controls that can effectively account for confounding variables, thereby providing a clearer picture of the treatment's impact and effectiveness and the specific reasons why individuals access emergency services.

The use of healthcare utilisation as a group-level metric in this project presents challenges in extrapolating findings to individual patients. While broad trends can be discerned for emergency service use on a population level, these data may not accurately reflect individual patients' health states or treatment outcomes. Comorbid physical and mental health conditions are likely to have a major effect on individual patients (Jennum et al., 2019; Zhang et al., 2022). To utilise emergency use as an outcome measure on a subgroup or patient level, individualised patient trajectories and flow would need to be examined to understand treatment-related changes. Furthermore, rates may only show one aspect of change that does not necessarily reflect the overall change of healthcare use, e.g., an increase in UEC rate may result from reduced use of routine or pre-planned care and vice versa. Consideration of the features of use, e.g. overlap with other UEC or secondary/tertiary services, as well as outcomes from each contact, may be more indicative.

One aspect increasing the attractiveness of UEC (and other healthcare) usage rates as an outcome measure is the opportunity to conduct economic evaluations of different treatment modalities. Given that the objective of cost-effectiveness analysis in health care is to examine both the costs and health effects of treatment and compare them with alternatives, enabling researchers and healthcare providers to understand better the trade-offs between different health interventions given the constrained resources (Robinson, 1993), specific factors should be considered for FNSD. The complex manifestations of FNSD necessitate a multidimensional approach in terms of treatment. Therefore, cost analysis would need to consider the various resources utilised for managing the disease, including different therapies, medications, and other healthcare contacts. Treatment costs for comorbidities prevalent in FNSD patients would also need to be accounted for, as well as the high impact FNSD can have on social costs due to patient's inability to work and need for care – often delivered informally by family members.

Factors such as socioeconomic status, access to various levels of healthcare (primary, secondary, or tertiary), and proximity to emergency departments play significant roles in determining emergency care use. These may act as moderating factors to usage rates. At the same time, other aspects of patient health, such as coping mechanisms and self-management capabilities, may also influence healthcare utilisation patterns. Further emphasising the importance of incorporating a range of outcome measures.

While there is, therefore, much more work to be done to identify the best aspects of healthcare utilisation to measure, the congruence of the findings with previous literature, both behaviourally assessed and through self-reports, provides initial evidence that emergency service utilisation may serve as a valuable proxy for evaluating treatment effectiveness and treatment-related change. Its combination with self-report questionnaires might paint a better picture of patient experience and draw links between the disorder's pathogenesis, maintenance and societal impact.

Furthermore, this approach provides a perspective of outcomes which has particularly direct implications for the optimal allocation of healthcare resources and treatment pathway development.

## 6.3 Utilising Cognitive Affective Traits for FNSD outcome measurement

The use of measures such as negative affective priming tasks and delay discounting that implicitly assess cognitive and affective traits as FNSD outcome measures warrants a depth of understanding of FNSD psychopathology. Study 3 successfully replicated previous findings indicating attentional biases in FNSD patients compared to healthy in the negative affective priming task (Keynejad et al., 2020; Ricciardi et al., 2016). The findings that delay discounting also differentiated between FNSD and healthy controls group and aligned with a previous study suggesting a relationship between anxiety or stress and discounting rates (Malesza, 2019b). Though delay discounting has been discussed as a potential key transdiagnostic process in psychopathology, the precise definition of the processes the estimates capture and its centrality in psychopathology continues to be debated (Bailey et al., 2021). What is clear, however, is that impulsivity and poor self-control within decision-making contexts reflect several processes, suggesting that a broader view of the patient's cognitive-affective profile is required (Jimura et al., 2013; Nigg, 2017).

The influence of negative affect on self-report measures, leading to variability in self-report measures, has led researchers to question the validity of relationships identified via self-report research (Brief et al. 1988). Similarly, mood and negative affect are believed to impact delay discounting. Despite mixed results, some studies hint at a relationship between affect and delay discounting, possibly modulated by other factors such as sex or an alternative process related to impulsivity (Koff & Lucas, 2011; Malesza, 2019a).

It is possible that emotion processing alterations, as seen in FNSD and as measured by these affective cognition tasks, impact the measuring ability of other affective cognitive tests and self-report tools.

As research shows that emotion regulation strategies in FNSD patients can change over time and relative to treatment on behavioural and cortical levels (Kienle et al., 2018); employing multiple observation points to accurately measure an individual's state, traits, and outcomes using these approaches should also be considered. While these measures may provide some insight into cognitive-affective traits in FNSD patients, the current lack of clear understanding of the underlying processes, and their potential subjection to affective states, suggest that they should be used in conjunction with other outcome measures to determine the current health state, treatment effectiveness, or treatment-related change in this patient population.

## 6.4 Enhancing outcome measurement in FNSD

Outcome measurement in FNSD is not a 'linear' process. This work and findings in the literature indicate that a combined approach utilising different types of objective and subjective measures could enhance understanding of FNSD by examining similar or seemingly similar constructs through different lenses. The discrepancies found between these approaches do not necessarily mean that different measures of the same construct that show poor convergent validity are redundant or invalid. On the contrary, differences captured between measurements using different assessment modalities may provide unique insights into the disorder, as they simply reflect different representations of the construct ranging from cognitive and automatic levels to pathological and symptomatic levels and subjective experiential to behavioural levels.

This multidimensional understanding of FNSD suggests that capturing a complete picture of the disorder requires a holistic approach to measurement. For instance, the variance between patients' physiological responses and their subjective perceptions of stress, distress or arousal indicate that simple self-reports cannot substitute physiological arousal in FNSD patients dealing with stress.

Furthermore, this comprehensive approach to outcome measurement may be crucial in tailoring and assessing individualised therapies, a key discussion point in FNSD outcomes (Petrochilos et al., 2020). In view of the range of possible (different) FNSD manifestations, the combination of outcome measurement methods may need to be tailored for different FNSD subgroups or interventions. That said, the question of whether outcome measurement can be tailored to specific FNSD patient subgroups to optimise their utility in evaluating patient outcomes must also be considered. The current study could not conduct an in-depth subgroup analysis due to limitations of sample sizes and the uncertainty of FNSD symptomatic classifications within the samples. However, developing the EASE self-report measure according to the Rasch Model, which refined the measure based on patient ability and item difficulty, theoretically shows promise in detecting patient subgroups.

Tailoring measures that align more precisely with the concepts worked on in therapy, such as resourcefulness constructs, could capture more meaningful long-term pre-post changes than more pathology-focussed measures, such as those of anxiety or depression. By implication, developing more illness-specific scales for FNSD may be needed. A symptom outcome scale suited to the timing onset and phenomenology of FNSD symptoms would complement many of the existing scales capturing global concepts like health-related quality of life or general somatic symptom load (SCL90-R, SOMS) or focusing on one aspect of the disorders only, e.g. movement disorders (Nielsen et al., 2017). The timing and duration of symptoms play a pivotal role in the sensitivity of outcome measures. Additionally, the ability of patients to subjectively detect a change in particular constructs over time may differ. Factors such as symptom severity or UEC service usage rates may fluctuate, and post-treatment effects may not always be sustained. Measures that account for or control for these changes over time would enhance measurement sensitivity.

It is important to understand how potential confounders might change and how they moderate relationships between the patient and the outcome. For instance, a heightened focus on negative stimuli in FNSD patients may cause an overemphasis on symptoms, potentially correlating with increased emergency service use (Whitfield et al., 2020). Thoroughly understanding these interactions and designing outcome measures to account for these variables is paramount.

A patient-centred approach to outcome measurement may also enhance its relevance and applicability. By incorporating outcomes that are most meaningful to patients, in addition to those of clinical interest, a more holistic picture of treatment-related change may be captured. It is also essential to acknowledge that a self-report measure may only capture what the patient can recognise, given the pathology's potential impact on their cognition. This limited insight could be an interesting finding, shedding light on the depth of cognitive awareness or insight in the measured outcome. Thus, enhancing the depth and breadth of a battery of outcome measures to encompass the variable representation of a construct could help maximise the sensitivity of outcome measurement. However, a drawback to individualised outcome measurement is poor comparability with other patients or patient populations - which means that this as a sole approach would not be helpful in terms of competitive resource allocation.

Lastly, the measurement of 'effectiveness' in FNSD is not always straightforward. The heterogeneous nature of the disorder, combined with the lack of a universally accepted outcome measure, makes it challenging to clearly define a successful treatment outcome. This will need to be defined and accounted for in any patient outcome study.

## 6.5 Implications of this research

This research has implications for both research and clinical practice relating to FNSD. By understanding the specific features of the disorder, we can ensure the scientific validity of outcome assessments and contribute to the knowledge of FNSD development.

Developing and using optimal outcome measures could generate stronger evidence supporting the effectiveness of FNSD therapies, thereby supporting the development and improvement of treatment services. This progression would enable the optimal allocation of limited healthcare resources and identification of patients who are most likely to benefit from specific treatments and specialised services for FNSD patients and who might otherwise lack treatment access (Aybek et al., 2013; Petrochilos et al., 2020; Ricciardi & Edwards, 2014; Russell et al., 2022; D. T. Williams et al., 2016).

Additionally, this project could pave the way for further investigations into the cost-utility of FNSD treatments and enable comparisons among different treatment options for various FNSD subtypes. This research could allow probes into specific therapeutic factors contributing to the observed changes and explore why certain recommended actions did not alter post-therapy. Such insights could illuminate aspects of FNSD that are more challenging to change, demanding different or supplementary therapeutic interventions.

## 6.6 Strengths and Limitations

When evaluating this thesis's conclusions, several methodological and theoretical considerations must be considered. The cohort participating in these studies may have a greater inclination towards recognising psychological elements in their disorder compared to the broader FNSD community or those who did not respond to the recruitment advertisement for Study 3. Although the study was advertised neutrally, the potential for a bias towards individuals seeking further understanding or assessment of their symptoms cannot be discounted.

All participants involved in Studies 1 and 2 were undergoing or about to begin psychotherapy. The participants selected from these studies, referred from a specialist psychotherapy service following a neurologist's recommendation, may have carried a particularly high burden of physical or psychological impairments. Consequently, extrapolating these findings to the broader FND population should be done with caution.

From a theoretical perspective, while this thesis highlights the potential of delay discounting tasks, NAP tasks, and the novel EASE questionnaire in measuring FNSD outcomes, the fact that the studies described here were cross-sectional (or retrospective) implies that they cannot conclusively determine whether these tools accurately capture treatment outcomes, that is, potentially therapeutic changes. In the absence of preceding studies in FNSD using the DD and NAP measures (employed in Study 2) to clarify the processes these tasks might measure, as well as their centrality in psychopathology, means that we are currently unable to define how well these tasks operate as indicators of health in FNSD.

Despite these limitations, this project possesses several significant strengths. These were discussed in each of the chapters of this thesis but also included the use of multi-modal measurements - self-report, behavioural, and physiological methods. Each method has merits and limitations; however, their combined use enables a comprehensive exploration of their utility for outcome measurement in FNSD. The exploratory nature of Studies 2 and 3 further facilitates our understanding of FNSD and presents several areas and questions for future research.

## 6.7 Future work

Future research could focus on developing and validating a comprehensive outcome measurement framework for FNSD that integrates several subjective and objective measures. This should follow a theory-driven approach to address the underlying psychological processes that, to some degree, moderate both outcomes and measurement ability. This could include the development of other disorder-specific self-report scales, with patient input, e.g., in a qualitative study, and establishing their reliability and validity across different patient subgroups. Additionally, specific studies designed to analyse the convergence across subjective and objective measures, including neuroimaging biomarkers or physiological indices, and identifying any overlap will help provide a holistic understanding of measurement in this patient group and how they can complement each other. Furthermore, longitudinal studies tracking changes in these measures throughout treatment could provide insights into the temporal progression of FNSD and help understand their sensitivity to treatment-related changes. Further investigations could also explore the impact of individualised therapies on outcomes, identifying patient subgroups that may respond differently to treatments. Cost-effectiveness analyses could be undertaken to ensure resources are being allocated efficiently in managing FNSD. Moreover, there is a need to confirm the stability of the self-report and experimental methods utilising the test-retest approach in longitudinal studies.

# 7.0 Conclusion

This research shows that it is necessary to develop a comprehensive outcome measurement framework for patients with FNSD, including a range of complimentary methods. This framework would guide the selection of measurable aspects of the disorder, describe how they should be measured (and when), and in which patient groups to maximise the effectiveness of measurement in research or clinical practice. Such an outcome measurement framework could yield precise and adaptable health measurements and outcomes, ensuring the collected data is extensive, generalisable, standardised, and directly relevant to the objectives and the patient group. Better measurement of patient states and functioning will be a key step toward a deeper understanding of the disorder and developing and improving effective treatments.

# 8.0 References

Abma, I. L., Rovers, M., & Van Der Wees, P. J. (2016). Appraising convergent validity of patient-reported outcome measures in systematic reviews: Constructing hypotheses and interpreting outcomes. *BMC Research Notes*, *9*(1), 1–5. https://doi.org/10.1186/S13104-016-2034-2/METRICS

Abraham, K. M., Miller, C. J., Birgenheir, D. G., Lai, Z., & Kilbourne, A. M. (2014). Self-efficacy and Quality of Life among People with Bipolar Disorder. *The Journal of Nervous and Mental Disease*, *202*(8), 583. https://doi.org/10.1097/NMD.0000000000000165

*Accident and Emergency Attendances in England - 2013-14 - NHS Digital*. (n.d.). Retrieved June 7, 2023, from https://digital.nhs.uk/data-and-information/publications/statistical/hospital-accident--emergency-activity/2013-14

Ahern, L., Stone, J., & Sharpe, M. C. (2009). Attitudes of neuroscience nurses toward patients with conversion symptoms. *Psychosomatics*, *50*(4), 336–339. https://doi.org/10.1176/APPI.PSY.50.4.336

Akagi, H., & House, A. (2002). The clinical epidemiology of hysteria: Vanishingly rare, or just vanishing? *Psychological Medicine*, *32*(2), 191–194. https://doi.org/10.1017/S0033291701004962

Allendorfer, J. B., Nenert, R., Hernando, K. A., DeWolfe, J. L., Pati, S., Thomas, A. E., Billeaud, N., Martin, R. C., & Szaflarski, J. P. (2019). FMRI response to acute psychological stress differentiates patients with psychogenic non-epileptic seizures from healthy controls - A biochemical and neuroimaging biomarker study. *NeuroImage. Clinical*, *24*, 101967. https://doi.org/10.1016/j.nicl.2019.101967

American Psychiatric Association, D.-5 T. F. (2013). Diagnostic and statistical manual of mental disorders: DSM-5TM, 5th ed. In *Diagnostic and statistical manual of mental disorders: DSM-5TM, 5th ed.* American Psychiatric Publishing, Inc. https://doi.org/10.1176/appi.books.9780890425596

Ames, D. R., & Flynn, F. J. (2007). *PERSONALITY PROCESSES AND INDIVIDUAL DIFFERENCES What Breaks a Leader: The Curvilinear Relation Between Assertiveness and Leadership*. https://doi.org/10.1037/0022-3514.92.2.307

Amlung, M., Marsden, E., Holshausen, K., Morris, V., Patel, H., Vedelago, L., Naish, K. R., Reed, D. D., & Mccabe, R. E. (2019). Delay Discounting as a Transdiagnostic Process in Psychiatric Disorders. *JAMA Psychiatry*, *76*(11), 1176. https://doi.org/10.1001/jamapsychiatry.2019.2102

Anderson, E. S., Winett, R. A., & Wojcik, J. R. (2007). Self-regulation, self-efficacy, outcome expectations, and social support: Social cognitive theory and nutrition behavior. *Annals of Behavioral Medicine*, *34*(3), 304–312. https://doi.org/10.1007/BF02874555/METRICS

Anderson, J. R., Nakhate, V., Stephen, C. D., & Perez, D. L. (2019). Functional (Psychogenic) Neurological Disorders: Assessment and Acute Management in the Emergency Department. *Semin Neurol*, *39*(1), 102–114. https://doi.org/10.1055/s-0038-1676844

Andrews, G., Sanderson, K., Slade, T., & Issakidis, C. (2000). Why does the burden of disease persist? Relating the burden of anxiety and depression to effectiveness of treatment. *Bulletin of the World Health Organization*, *78*(4), 446. https://doi.org/10.1080/000486700536

Andrich, D. (1978). A rating formulation for ordered response categories. *Psychometrika*, *43*(4), 561–573. https://doi.org/10.1007/BF02293814/METRICS

Andrich, D. (1988). Rasch Models for Measurement. *Rasch Models for Measurement*. https://doi.org/10.4135/9781412985598

Anwyl-Irvine, A. L., Massonnié, J., Flitton, A., Kirkham, N., & Evershed, J. K. (2020). Gorilla in our midst: An online behavioral experiment builder. *Behavior Research Methods*, *52*(1), 388–407. https://doi.org/10.3758/s13428-019-01237-x

Apazoglou, K., Mazzola, V., Wegrzyk, J., Frasca Polara, G., & Aybek, S. (2017). Biological and perceived stress in motor functional neurological disorders. *Psychoneuroendocrinology*, *85*, 142–150. https://doi.org/10.1016/j.psyneuen.2017.08.023

*Are hospital services used differently in deprived areas? Evidence to identify commissioning challenges - PDF Free Download*. (n.d.). Retrieved June 7, 2023, from https://docplayer.net/11150695-Are-hospital-services-used-differently-in-deprived-areas-evidence-to-identify-commissioning-challenges.html

Asadi-Pooya, A. A., Brigo, F., Kozlowska, K., Perez, D. L., Pretorius, C., Sawchuk, T., Saxena, A., Tolchin, B., & Valente, K. D. (2021). Social aspects of life in patients with functional seizures: Closing the gap in the biopsychosocial formulation. *Epilepsy & Behavior*, *117*, 107903. https://doi.org/10.1016/J.YEBEH.2021.107903

Asadi-Pooya, A. A., Brigo, F., Mildon, B., & Nicholson, T. R. (2020). Terminology for psychogenic nonepileptic seizures: Making the case for “functional seizures.” *Epilepsy & Behavior*, *104*, 106895. https://doi.org/10.1016/J.YEBEH.2019.106895

Asadi-Pooya, A. A., Emami, M., & Emami, Y. (2014). Ictal injury in psychogenic non-epileptic seizures. *Seizure*, *23*(5), 363–366. https://doi.org/10.1016/j.seizure.2014.02.001

Asaria, M., Ali, S., Doran, T., Ferguson, B., Fleetcroft, R., Goddard, M., Goldblatt, P., Laudicella, M., Raine, R., & Cookson, R. (2016). How a universal health system reduces inequalities: lessons from England. *Journal of Epidemiology and Community Health*, *70*(7), 637–643. https://doi.org/10.1136/JECH-2015-206742

Aybek, S., Hubschmid, M., Mossinger, C., Berney, A., & Vingerhoets, F. (2013). Early intervention for conversion disorder: neurologists and psychiatrists working together. *Acta Neuropsychiatrica*, *25*(1), 52–56. https://doi.org/10.1111/J.1601-5215.2012.00668.X

Aybek, S., Nicholson, T. R., O’Daly, O., Zelaya, F., Kanaan, R. A., & David, A. S. (2015). Emotion-motion interactions in conversion disorder: an FMRI study. *PloS One*, *10*(4), e0123273–e0123273. https://doi.org/10.1371/journal.pone.0123273

Aybek, S., & Perez, D. L. (2022). Diagnosis and management of functional neurological disorder. *BMJ (Clinical Research Ed.)*, *376*. https://doi.org/10.1136/BMJ.O64

Baghaei, P. (2008). Local dependency and Rasch measures. *Rasch Measurement Transactions*, *21*(3), 1105–1106. https://www.researchgate.net/publication/267330191\_Local\_dependency\_and\_Rasch\_measures

Bailey, A. J., Romeu, R. J., & Finn, P. R. (2021). The problems with delay discounting: a critical review of current practices and clinical applications. *Psychological Medicine*, *51*(11), 1799. https://doi.org/10.1017/S0033291721002282

Baizabal-Carvallo, J. F., Hallett, M., & Jankovic, J. (2019). Pathogenesis and pathophysiology of functional (psychogenic) movement disorders. *Neurobiol Dis*, *127*, 32–44. https://doi.org/10.1016/j.nbd.2019.02.013

Bajestan, S. N., & W. Curt  LaFrance, Jr. (2016). Clinical Approaches to Psychogenic Nonepileptic Seizures. *Https://Doi.Org/10.1176/Appi.Focus.20160020*, *14*(4), 422–431. https://doi.org/10.1176/APPI.FOCUS.20160020

Bakvis, P., Roelofs, K., Kuyk, J., Edelbroek, P. M., Swinkels, W. A., & Spinhoven, P. (2009). Trauma, stress, and preconscious threat processing in patients with psychogenic nonepileptic seizures. *Epilepsia*, *50*(5), 1001–1011. https://doi.org/10.1111/j.1528-1167.2008.01862.x

Bakvis, P., Spinhoven, P., Giltay, E. J., Kuyk, J., Edelbroek, P. M., Zitman, F. G., & Roelofs, K. (2010). Basal hypercortisolism and trauma in patients with psychogenic nonepileptic seizures. *Epilepsia*, *51*(5), 752–759. https://doi.org/10.1111/j.1528-1167.2009.02394.x

Bakvis, P., Spinhoven, P., Zitman, F. G., & Roelofs, K. (2011). Automatic avoidance tendencies in patients with Psychogenic Non Epileptic Seizures. *Seizure*, *20*(8), 628–634. https://doi.org/https://doi.org/10.1016/j.seizure.2011.06.006

Baldellou Lopez, M., Goldstein, L. H., Robinson, E. J., Vitoratou, S., Chalder, T., Carson, A., Stone, J., & Reuber, M. (2021). Validation of the PHQ-9 in adults with dissociative seizures. *Journal of Psychosomatic Research*, *146*. https://doi.org/10.1016/J.JPSYCHORES.2021.110487

Bandura, A. (1977). Self-efficacy: Toward a unifying theory of behavioral change. *Psychological Review*, *84*(2), 191–215. https://doi.org/10.1037/0033-295X.84.2.191

Bandura, A. (1989). Regulation of Cognitive Processes Through Perceived Self-Efficacy. *Developmental Psychology*, *25*(5), 729–735. https://doi.org/10.1037/0012-1649.25.5.729

Bandura, A. (2004). Health Promotion by Social Cognitive Means. *Health Education & Behavior*, *31*(2), 143–164. https://doi.org/10.1177/1090198104263660

Bandura, A., Freeman, W. H., & Lightsey, R. (1999). Self-Efficacy: The Exercise of Control. *Journal of Cognitive Psychotherapy*, *13*(2), 158–166. https://doi.org/10.1891/0889-8391.13.2.158

Bargh, J. A., & Chartrand, T. L. (2014). The Mind in the Middle. *Handbook of Research Methods in Social and Personality Psychology*, 311–344. https://doi.org/10.1017/CBO9780511996481.017

Bar-Haim, Y., Lamy, D., Pergamin, L., Bakermans-Kranenburg, M. J., & Van Ijzendoorn, M. H. (2007). Threat-related attentional bias in anxious and nonanxious individuals: A meta-analytic study. *Psychological Bulletin*, *133*(1), 1–24. https://doi.org/10.1037/0033-2909.133.1.1

Barrett, L. F., Gross, J., Christensen, T. C., & Benvenuto, M. (2001). Knowing what you’re feeling and knowing what to do about it: Mapping the relation between emotion differentiation and emotion regulation. *Cognition and Emotion*, *15*(6), 713–724. https://doi.org/10.1080/02699930143000239

Barsky, A. J., Orav, E. J., & Bates, D. W. (2005). Somatization increases medical utilization and costs independent of psychiatric and medical comorbidity. *Arch Gen Psychiatry*, *62*(8), 903–910. https://doi.org/10.1001/archpsyc.62.8.903

Baslet, G. (2011). Psychogenic non-epileptic seizures: a model of their pathogenic mechanism. *Seizure*, *20*(1), 1–13. https://doi.org/10.1016/J.SEIZURE.2010.10.032

Baslet, G., Dworetzky, B., Perez, D. L., & Oser, M. (2015). Treatment of psychogenic nonepileptic seizures: updated review and findings from a mindfulness-based intervention case series. *Clinical EEG and Neuroscience*, *46*(1), 54–64. https://doi.org/10.1177/1550059414557025

Bazydlo, S., & Eccles, F. J. R. (2022). Living with functional movement disorders: a tale of three battles. An interpretative phenomenological analysis. *Https://Doi.Org/10.1080/08870446.2022.2130312*. https://doi.org/10.1080/08870446.2022.2130312

Beard, C., & Björgvinsson, T. (2014). Beyond generalized anxiety disorder: psychometric properties of the GAD-7 in a heterogeneous psychiatric sample. *J Anxiety Disord*, *28*(6), 547–552. https://doi.org/10.1016/j.janxdis.2014.06.002

Bègue, I., Adams, C., Stone, J., & Perez, D. L. (2019). Structural alterations in functional neurological disorder and related conditions: a software and hardware problem? *NeuroImage: Clinical*, *22*, 101798. https://doi.org/https://doi.org/10.1016/j.nicl.2019.101798

Beharry, J., Palmer, D., Wu, T., Wilson, D., Le Heron, C., Mason, D., Reimers, J., Fink, J., Mulder, R., & Duncan, R. (2021). Functional neurological disorders presenting as emergencies to secondary care. *European Journal of Neurology*, *28*(5), 1441–1445. https://doi.org/10.1111/ENE.14728

Benbadis, S. R. (2009). Provocative techniques should be used for the diagnosis of psychogenic nonepileptic seizures. *Epilepsy Behav*, *15*(2), 106–109; discussion 115-8. https://doi.org/10.1016/j.yebeh.2009.02.002

Benbadis, S. R., & Allen Hauser, W. (2000). An estimate of the prevalence of psychogenic non-epileptic seizures. *Seizure*, *9*(4), 280–281. https://doi.org/10.1053/SEIZ.2000.0409

Bennett, K., Diamond, C., Hoeritzauer, I., Gardiner, P., McWhirter, L., Carson, A., & Stone, J. (2021). A practical review of functional neurological disorder (FND) for the general physician. *Clinical Medicine*, *21*(1), 28. https://doi.org/10.7861/CLINMED.2020-0987

Bermingham, S. L., Cohen, A., Hague, J., & Parsonage, M. (2010). The cost of somatisation among the working-age population in England for the year 2008-2009. *Mental Health in Family Medicine*, *7*(2), 71–84. https://pubmed.ncbi.nlm.nih.gov/22477925

Bessing, B., Honan, C. A., van der Mei, I., Taylor, B. v., & Claflin, S. B. (2022). Measurement Properties of the Health Literacy Questionnaire in the Understanding Multiple Sclerosis Massive Open Online Course Cohort: A Rasch Analysis. *Health Literacy Research and Practice*, *6*(3), e200–e212. https://doi.org/10.3928/24748307-20220720-01

Bewley, J., Murphy, P. N., Mallows, J., & Baker, G. A. (2005). Does alexithymia differentiate between patients with nonepileptic seizures, patients with epilepsy, and nonpatient controls? *Epilepsy & Behavior*, *7*(3), 430–437. https://doi.org/10.1016/j.yebeh.2005.06.006

Bickel, W. K., Jarmolowicz, D. P., Mueller, E. T., Koffarnus, M. N., & Gatchalian, K. M. (2012). Excessive Discounting of Delayed Reinforcers as a Trans-Disease Process Contributing to Addiction and Other Disease-Related Vulnerabilities: Emerging Evidence. *Pharmacology & Therapeutics*, *134*(3), 287. https://doi.org/10.1016/J.PHARMTHERA.2012.02.004

Binzer, M., Andersen, P. M., & Kullgren, G. (1997). Clinical characteristics of patients with motor disability due to conversion disorder: a prospective control group study. *Journal of Neurology, Neurosurgery, and Psychiatry*, *63*(1), 83–88. https://doi.org/10.1136/JNNP.63.1.83

Birmingham, L. E., Cochran, T., Frey, J. A., Stiffler, K. A., & Wilber, S. T. (2017). Emergency department use and barriers to wellness: A survey of emergency department frequent users. *BMC Emergency Medicine*, *17*(1), 1–8. https://doi.org/10.1186/S12873-017-0126-5/TABLES/5

Bishop, S. R., Lau, M., Shapiro, S., Carlson, L., Anderson, N. D., Carmody, J., Segal, Z. V, Abbey, S., Speca, M., Velting, D., & Devins, G. (2006). Mindfulness: A Proposed Operational Definition. *Clinical Psychology: Science and Practice*, *11*(3), 230–241. https://doi.org/10.1093/clipsy.bph077

Black, N. (1996). Why we need observational studies to evaluate the effectiveness of health care. *BMJ*, *312*(7040), 1215–1218. https://doi.org/10.1136/bmj.312.7040.1215

Blad, H., Lamberts, R. J., Dijk, J. G. Van, & Thijs, R. D. (2015). Tilt-induced vasovagal syncope and psychogenic pseudosyncope: Overlapping clinical entities. *Neurology*, *85*(23), 2006. https://doi.org/10.1212/WNL.0000000000002184

Blakemore, R. L., Sinanaj, I., Galli, S., Aybek, S., & Vuilleumier, P. (2016). Aversive stimuli exacerbate defensive motor behaviour in motor conversion disorder. *Neuropsychologia*, *93*(Pt A), 229–241. https://doi.org/10.1016/J.NEUROPSYCHOLOGIA.2016.11.005

Blevins, C. A., Weathers, F. W., Davis, M. T., Witte, T. K., & Domino, J. L. (2015). The Posttraumatic Stress Disorder Checklist for DSM-5 (PCL-5): Development and Initial Psychometric Evaluation. *Journal of Traumatic Stress*, *28*(6), 489–498. https://doi.org/10.1002/jts.22059

Bodde, N. M., Brooks, J. L., Baker, G. A., Boon, P. A., Hendriksen, J. G., Mulder, O. G., & Aldenkamp, A. P. (2009). Psychogenic non-epileptic seizures--definition, etiology, treatment and prognostic issues: a critical review. *Seizure*, *18*(8), 543–553. https://doi.org/10.1016/j.seizure.2009.06.006

Bodde, N. M. G., Janssen, A. M. A. J., Theuns, C., Vanhoutvin, J. F. G., Boon, P. A. J. M., & Aldenkamp, A. P. (2007). Factors involved in the long-term prognosis of psychogenic nonepileptic seizures. *Journal of Psychosomatic Research*, *62*(5), 545–551. https://doi.org/10.1016/J.JPSYCHORES.2006.11.015

Bogaerts, K., Van Eylen, L., Li, W., Bresseleers, J., Van Diest, I., De Peuter, S., Stans, L., Decramer, M., & Van den Bergh, O. (2010). Distorted symptom perception in patients with medically unexplained symptoms. *J Abnorm Psychol*, *119*(1), 226–234. https://doi.org/10.1037/a0017780

Bond, T., & Fox, C. (2015). Applying the Rasch Model : Fundamental Measurement in the Human Sciences, Third Edition. *Applying the Rasch Model*. https://doi.org/10.4324/9781315814698

Bond, T. G., & Fox, C. M. (2007). *Applying the Rasch Model: Fundamental Measurement in the Human Sciences Second Edition*. www.erlbaum.coOl

Bond, T. G., Yan, Z., & Heene, M. (2020). Applying the rasch model: Fundamental measurement in the human sciences. *Applying the Rasch Model: Fundamental Measurement in the Human Sciences*, 1–348. https://doi.org/10.4324/9780429030499/APPLYING-RASCH-MODEL-TREVOR-BOND-ZI-YAN-MORITZ-HEENE

Boone, W. J., & Staver, J. R. (2020). Advances in Rasch Analyses in the Human Sciences. *Advances in Rasch Analyses in the Human Sciences*. https://doi.org/10.1007/978-3-030-43420-5

Boone, W. J., Yale, M. S., & Staver, J. R. (2014). Rasch analysis in the human sciences. In *Rasch Analysis in the Human Sciences*. Springer Netherlands. https://doi.org/10.1007/978-94-007-6857-4

Bowman, E. S. (2006). Why conversion seizures should be classified as a dissociative disorder. *Psychiatr Clin North Am*, *29*(1), 185–211, x. https://doi.org/10.1016/j.psc.2005.10.003

Breuer, J., & Freud, S. (1895). Studies on Hysteria. In J. Strachey (Ed.), *American Journal of Clinical Hypnosis: Vol. Vol.2, xxxii* (Issue 3). Hogarth Press. https://doi.org/10.1080/00029157.1996.10403343

Brown, R. J., & Reuber, M. (2016a). Psychological and psychiatric aspects of psychogenic non-epileptic seizures (PNES): A systematic review. *Clinical Psychology Review*, *45*, 157–182. https://doi.org/10.1016/j.cpr.2016.01.003

Brown, R. J., & Reuber, M. (2016b). Towards an integrative theory of psychogenic non-epileptic seizures (PNES). *Clinical Psychology Review*, *47*, 55–70. https://doi.org/10.1016/J.CPR.2016.06.003

Brown, T. (2015). *Confirmatory factor analysis for applied research, 2nd ed.* (2nd ed.). Guildford Press.

Bruce, J. M., Bruce, A. S., Lynch, S., Thelen, J., Lim, S. L., Smith, J., Catley, D., Reed, D. D., & Jarmolowicz, D. P. (2018). Probability discounting of treatment decisions in multiple sclerosis: associations with disease knowledge, neuropsychiatric status, and adherence. *Psychopharmacology*, *235*(11), 3303–3313. https://doi.org/10.1007/S00213-018-5037-Y

Brugha, T. S. (2010). Social Support. *Principles of Social Psychiatry: Second Edition*, 461–476. https://doi.org/10.1002/9780470684214.CH35

Buhr, K., & Dugas, M. J. (2002). The Intolerance of Uncertainty Scale: psychometric properties of the English version. *Behaviour Research and Therapy*, *40*(8), 931–945. https://doi.org/10.1016/S0005-7967(01)00092-4

Busner, J., & Targum, S. D. (2007). The Clinical Global Impressions Scale: Applying a Research Tool in Clinical Practice. *Psychiatry (Edgmont)*, *4*(7), 28. /pmc/articles/PMC2880930/

Butler, M., Shipston-Sharman, O., Seynaeve, M., Bao, J., Pick, S., Bradley-Westguard, A., Ilola, E., Mildon, B., Golder, D., Rucker, J., Stone, J., & Nicholson, T. (2021). International online survey of 1048 individuals with functional neurological disorder. *European Journal of Neurology*, *28*(11), 3591–3602. https://doi.org/10.1111/ENE.15018

Byrne, P. (2000). *Stigma of mental illness and ways of diminishing it*. *6*, 65–72.

Cabrera-Nguyen, P. (2010). Author Guidelines for Reporting Scale Development and Validation Results in the Journal of the Society for Social Work and Research. *Https://Doi.Org/10.5243/Jsswr.2010.8*, *1*(2), 99–103. https://doi.org/10.5243/JSSWR.2010.8

Cameron, O. G. (2002). Visceral sensory neuroscience: Interoception. In *Visceral sensory neuroscience: Interoception.* Oxford University Press.

Campbell, L., Norcross, J., Vasquez, M., & Kaslow, N. (2013). Recognition of Psychotherapy Effectiveness: The APA Resolution. *Psychotherapy (Chicago, Ill.)*, *50*, 98–101. https://doi.org/10.1037/a0031817

Carlson, P., & Nicholson, K. (2017). Psychological interventions for psychogenic non-epileptic seizures: A meta-analysis. *Seizure*, *45*, 142–150. https://doi.org/10.1016/j.seizure.2016.12.007

Carson, A. J., Brown, R., David, A. S., Duncan, R., Edwards, M. J., Goldstein, L. H., Grunewald, R., Howlett, S., Kanaan, R., Mellers, J., Nicholson, T. R., Reuber, M., Schrag, A. E., Stone, J., & Voon, V. (2012a). Functional (conversion) neurological symptoms: research since the millennium. *Journal of Neurology, Neurosurgery & Psychiatry*, *83*(8), 842–850. https://doi.org/10.1136/JNNP-2011-301860

Carson, A. J., Brown, R., David, A. S., Duncan, R., Edwards, M. J., Goldstein, L. H., Grunewald, R., Howlett, S., Kanaan, R., Mellers, J., Nicholson, T. R., Reuber, M., Schrag, A. E., Stone, J., & Voon, V. (2012b). Functional (conversion) neurological symptoms: research since the millennium. *J Neurol Neurosurg Psychiatry*, *83*(8), 842–850. https://doi.org/10.1136/jnnp-2011-301860

Carson, A., & Lehn, A. (2016). Epidemiology. *Handbook of Clinical Neurology*, *139*, 47–60. https://doi.org/10.1016/B978-0-12-801772-2.00005-9

Carson, A., Stone, J., Hibberd, C., Murray, G., Duncan, R., Coleman, R., Warlow, C., Roberts, R., Pelosi, A., Cavanagh, J., Matthews, K., Goldbeck, R., Hansen, C., & Sharpe, M. (2011). Disability, distress and unemployment in neurology outpatients with symptoms “unexplained by organic disease.” *J Neurol Neurosurg Psychiatry*, *82*(7), 810–813. https://doi.org/10.1136/jnnp.2010.220640

Castelnuovo, G. (2010). Empirically supported treatments in psychotherapy: towards an evidence-based or evidence-biased psychology in clinical settings? *Frontiers in Psychology*, *1*, 27. https://doi.org/10.3389/fpsyg.2010.00027

Cattell, R. B. (1966). The Scree Test For The Number Of Factors. *Multivariate Behavioral Research*, *1*(2), 245–276. https://doi.org/10.1207/s15327906mbr0102\_10

Cella, D., Riley, W., Stone, A., Rothrock, N., Reeve, B., Yount, S., Amtmann, D., Bode, R., Buysse, D., Choi, S., Cook, K., Devellis, R., Dewalt, D., Fries, J. F., Gershon, R., Hahn, E. A., Lai, J. S., Pilkonis, P., Revicki, D., … Hays, R. (2010). The Patient-Reported Outcomes Measurement Information System (PROMIS) developed and tested its first wave of adult self-reported health outcome item banks: 2005-2008. *Journal of Clinical Epidemiology*, *63*(11), 1179–1194. https://doi.org/10.1016/J.JCLINEPI.2010.04.011

Cella, M., Sharpe, M., & Chalder, T. (2011). Measuring disability in patients with chronic fatigue syndrome: reliability and validity of the Work and Social Adjustment Scale. *J Psychosom Res*, *71*(3), 124–128. https://doi.org/10.1016/j.jpsychores.2011.02.009

Chen, H. F., Tsai, Y. F., Lin, Y. P., Shih, M. S., & Chen, J. C. (2010). The relationships among medicine symptom distress, self-efficacy, patient-provider relationship, and medication compliance in patients with epilepsy. *Epilepsy & Behavior : E&B*, *19*(1), 43–49. https://doi.org/10.1016/J.YEBEH.2010.06.007

Chen, S., Chiu, H., Xu, B., Ma, Y., Jin, T., Wu, M., & Conwell, Y. (2010). Reliability and validity of the PHQ-9 for screening late-life depression in Chinese primary care. *International Journal of Geriatric Psychiatry*, *25*(11), 1127–1133. https://doi.org/10.1002/gps.2442

*Clinical commissioning group population estimates (National Statistics) - Office for National Statistics*. (n.d.). Retrieved May 31, 2023, from https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationestimates/datasets/clinicalcommissioninggroupmidyearpopulationestimates

Cobb, S. (1976). Social support as a moderator of life stress. *Psychosomatic Medicine*, *38*(5), 300–314. https://doi.org/10.1097/00006842-197609000-00003

Cock, H. R., & Edwards, M. J. (2018). Functional neurological disorders: acute presentations and management. *Clinical Medicine (London, England)*, *18*(5), 414–417. https://doi.org/10.7861/clinmedicine.18-5-414

Cohen, S. (2004). Social relationships and health. *American Psychologist*, *59*(8), 676–684. https://doi.org/10.1037/0003-066X.59.8.676

Cohen, S., & Wills, T. A. (1985). Stress, Social Support, and the Buffering Hypothesis. *Psychological Bulletin*, *98*(2), 310–357. https://doi.org/10.1037/0033-2909.98.2.310

Cookson, R., Asaria, M., Ali, S., Ferguson, B., Fleetcroft, R., Goddard, M., Goldblatt, P., Laudicella, M., & Raine, R. (2016). Health Equity Indicators for the English NHS: a longitudinal whole-population study at the small-area level. *Health Services and Delivery Research*, *4*(26), 1–224. https://doi.org/10.3310/HSDR04260

Costello, A. B., & Osborne, J. (2005). Best practices in exploratory factor analysis: four recommendations for getting the most from your analysis. *Research, and Evaluation Practical Assessment, Research, and Evaluation*, *10*, 7. https://doi.org/10.7275/jyj1-4868

Craig, A. D. (2002). How do you feel? Interoception: the sense of the physiological condition of the body. *Nat Rev Neurosci*, *3*(8), 655–666. https://doi.org/10.1038/nrn894

Crellin, N. E., Orrell, M., McDermott, O., & Charlesworth, G. (2014). Self-efficacy and health-related quality of life in family carers of people with dementia: a systematic review. *Aging & Mental Health*, *18*(8), 954–969. https://doi.org/10.1080/13607863.2014.915921

Cretton, A., Brown, R. J., Lafrance, W. C., & Aybek, S. (2020). What does neuroscience tell us about the conversion model of functional neurological disorders? *Journal of Neuropsychiatry and Clinical Neurosciences*, *32*(1), 24–32. https://doi.org/10.1176/APPI.NEUROPSYCH.19040089/ASSET/IMAGES/LARGE/APPI.NEUROPSYCH.19040089F2.JPEG

Cuoco, S., Scannapieco, S., Carotenuto, I., Picillo, M., Pellecchia, M. T., Barone, P., & Erro, R. (2023). Higher Health Service Costs Associated With Delayed Diagnosis of Functional Neurological Disorder. *The Journal of Neuropsychiatry and Clinical Neurosciences*, *35*(1), 86–91. https://doi.org/10.1176/APPI.NEUROPSYCH.21110288/ASSET/IMAGES/LARGE/APPI.NEUROPSYCH.21110288F1.JPEG

CUREd. (2020). *CUREd Research Database*. https://www.sheffield.ac.uk/scharr/sections/hsr/cure/projects/cured-rd/home

Curtiss, J., & Klemanski, D. H. (2014). Factor Analysis of the Five Facet Mindfulness Questionnaire in a Heterogeneous Clinical Sample. *Journal of Psychopathology and Behavioral Assessment*, *36*(4), 683–694. https://doi.org/10.1007/S10862-014-9429-Y/TABLES/4

Dalgleish, T., & Watts, F. N. (1990). Biases of attention and memory in disorders of anxiety and depression. *Clinical Psychology Review*, *10*(5), 589–604. https://doi.org/10.1016/0272-7358(90)90098-u

Dalley, J. W., Everitt, B. J., & Robbins, T. W. (2011). *Neuron Review Impulsivity, Compulsivity, and Top-Down Cognitive Control*. https://doi.org/10.1016/j.neuron.2011.01.020

Dallocchio, C., Tinazzi, M., Bombieri, F., Arnó, N., & Erro, R. (2016). Cognitive behavioural therapy and adjunctive physical activity for functional movement disorders (Conversion Disorder): A pilot, single-blinded, randomized study. *Psychotherapy and Psychosomatics*, *85*(6), 381–383. https://doi.org/10.1159/000446660

Dang, J., King, K. M., & Inzlicht, M. (2020). Why Are Self-Report and Behavioral Measures Weakly Correlated? *Trends in Cognitive Science*, *24*, 267–269. https://doi.org/10.1016/j.tics.2020.01.007

Daum, C., Hubschmid, M., & Aybek, S. (2014). The value of “positive” clinical signs for weakness, sensory and gait disorders in conversion disorder: a systematic and narrative review. *J Neurol Neurosurg Psychiatry*, *85*(2), 180–190. https://doi.org/10.1136/jnnp-2012-304607

De Vet, H. C. W., Terwee, C. B., Mokkink, L. B., & Knol, D. L. (2011). Measurement in Medicine: A Practical Guide. *Measurement in Medicine: A Practical Guide*, 1–338. https://doi.org/10.1017/CBO9780511996214

de Waal, M. W., Arnold, I. A., Eekhof, J. A., & van Hemert, A. M. (2006). [Somatoform disorders in general practice: prevalence, functional limitations and comorbidity with anxiety and depression]. *Ned Tijdschr Geneeskd*, *150*(12), 671–676.

Deleuran, M., Nørgaard, K., Andersen, N. B., & Sabers, A. (2019). Psychogenic nonepileptic seizures treated with psychotherapy: Long-term outcome on seizures and healthcare utilization. *Epilepsy Behav*, *98*(Pt A), 195–200. https://doi.org/10.1016/j.yebeh.2019.05.007

Demartini, B., Batla, A., Petrochilos, P., Fisher, L., Edwards, M. J., & Joyce, E. (2014). Multidisciplinary treatment for functional neurological symptoms: a prospective study. *Journal of Neurology*, *261*(12), 2370–2377. https://doi.org/10.1007/s00415-014-7495-4

Demartini, B., Goeta, D., Barbieri, V., Ricciardi, L., Canevini, M. P., Turner, K., D’Agostino, A., Romito, L., & Gambini, O. (2016). Psychogenic non-epileptic seizures and functional motor symptoms: A common phenomenology? *J Neurol Sci*, *368*, 49–54. https://doi.org/10.1016/j.jns.2016.06.045

Demartini, B., Petrochilos, P., Ricciardi, L., Price, G., Edwards, M. J., & Joyce, E. (2014). The role of alexithymia in the development of functional motor symptoms (conversion disorder). *Journal of Neurology, Neurosurgery & Psychiatry*, *85*(10), 1132–1137. https://doi.org/10.1136/JNNP-2013-307203

Dezetter, A., Briffault, X., Ben Lakhdar, C., & Kovess-Masfety, V. (2013). Costs and Benefits of Improving Access to Psychotherapies for Common Mental Disorders. *The Journal of Mental Health Policy and Economics*, *16*, 161–177.

Dhand, A., Luke, D. A., Lang, C. E., & Lee, J. M. (2016). Social networks and neurological illness. *Nature Reviews Neurology 2016 12:10*, *12*(10), 605–612. https://doi.org/10.1038/nrneurol.2016.119

Dickson, J. M., Dudhill, H., Shewan, J., Mason, S., Grünewald, R. A., & Reuber, M. (2017). Cross-sectional study of the hospital management of adult patients with a suspected seizure (EPIC2). *BMJ Open*, *7*(7), e015696. https://doi.org/10.1136/bmjopen-2016-015696

Diez, I., Ortiz-Terán, L., Williams, B., Jalilianhasanpour, R., Ospina, J. P., Dickerson, B. C., Keshavan, M. S., LaFrance Jr, W. C., Sepulcre, J., & Perez, D. L. (2019). Corticolimbic fast-tracking: enhanced multimodal integration in functional neurological disorder. *Journal of Neurology, Neurosurgery &amp;Amp; Psychiatry*, *90*(8), 929. https://doi.org/10.1136/jnnp-2018-319657

Dilorio, C., & Faherty, B. (1994). Epilepsy self-management: Partial replication and extension. *Research in Nursing & Health*, *17*(3), 167–174. https://doi.org/10.1002/NUR.4770170304

Dilorio, C., Faherty, B., Manteuffel, B., Hoeffer, B., & Hilbert, G. A. (1992). Self-Efficacy and Social Support in Self-Management of Epilepsy. *Western Journal of Nursing Research*, *14*(3), 292–307. https://doi.org/10.1177/019394599201400303/ASSET/019394599201400303.FP.PNG\_V03

Dimaro, L. V, Dawson, D. L., Roberts, N. A., Brown, I., Moghaddam, N. G., & Reuber, M. (2014). Anxiety and avoidance in psychogenic nonepileptic seizures: The role of implicit and explicit anxiety. *Epilepsy & Behavior*, *33*, 77–86. https://doi.org/10.1016/j.yebeh.2014.02.016

Dimaro, L. V., Roberts, N. A., Moghaddam, N. G., Dawson, D. L., Brown, I., & Reuber, M. (2015). Implicit and explicit self-esteem discrepancies in people with psychogenic nonepileptic seizures. *Epilepsy & Behavior : E&B*, *46*, 109–117. https://doi.org/10.1016/J.YEBEH.2015.03.032

Ding, J. M., & Kanaan, R. A. A. (2017). Conversion disorder: A systematic review of current terminology. *General Hospital Psychiatry*, *45*, 51–55. https://doi.org/10.1016/J.GENHOSPPSYCH.2016.12.009

Dolezal, L., & Lyons, B. (2017). Health-related shame: an affective determinant of health? *Medical Humanities*, *43*(4), 257–263. https://doi.org/10.1136/MEDHUM-2017-011186

Drane, D. L., Fani, N., Hallett, M., Khalsa, S. S., Perez, D. L., & Roberts, N. A. (2021). A framework for understanding the pathophysiology of functional neurological disorder. *CNS Spectrums*, *26*(6), 555–561. https://doi.org/10.1017/S1092852920001789

Ducroizet, A., Zimianti, I., Golder, D., Hearne, K., Edwards, M., Nielsen, G., & Coebergh, J. (2023). Functional neurological disorder: Clinical manifestations and comorbidities; an online survey. *Journal of Clinical Neuroscience*, *110*, 116–125. https://doi.org/10.1016/J.JOCN.2023.02.014

Duncan, A. J., Peric, I., Boston, R., & Seneviratne, U. (2022). Predictive semiology of psychogenic non-epileptic seizures in an epilepsy monitoring unit. *Journal of Neurology*, *269*(4), 2172–2178. https://doi.org/10.1007/S00415-021-10805-1

Duncan, R., Razvi, S., & Mulhern, S. (2011). Newly presenting psychogenic nonepileptic seizures: incidence, population characteristics, and early outcome from a prospective audit of a first seizure clinic. *Epilepsy & Behavior : E&B*, *20*(2), 308–311. https://doi.org/10.1016/J.YEBEH.2010.10.022

Dworetzky, B. A., Weisholtz, D. S., Perez, D. L., & Baslet, G. (2015). A clinically oriented perspective on psychogenic nonepileptic seizure-related emergencies. *Clinical EEG and Neuroscience*, *46*(1), 26–33. https://doi.org/10.1177/1550059414566880

Edwards, M. J., Adams, R. A., Brown, H., Pareés, I., & Friston, K. J. (2012). A Bayesian account of “hysteria.” *Brain*, *135*(Pt 11), 3495–3512. https://doi.org/10.1093/brain/aws129

Edwards, M. J., Fotopoulou, A., & Pareés, I. (2013). Neurobiology of functional (psychogenic) movement disorders. *Current Opinion in Neurology*, *26*(4), 442. https://doi.org/10.1097/WCO.0B013E3283633953

Edwards, M. J., Stone, J., & Lang, A. E. (2014). From psychogenic movement disorder to functional movement disorder: it’s time to change the name. *Movement Disorders : Official Journal of the Movement Disorder Society*, *29*(7), 849–852. https://doi.org/10.1002/MDS.25562

Edwards, M. J., Yogarajah, M., & Stone, J. (2023). Why functional neurological disorder is not feigning or malingering. *Nature Reviews Neurology 2023 19:4*, *19*(4), 246–256. https://doi.org/10.1038/s41582-022-00765-z

Edwards, T. M., Stern, A., Clarke, D. D., Ivbijaro, G., & Kasney, L. M. (2010). The treatment of patients with medically unexplained symptoms in primary care: a review of the literature. *Mental Health in Family Medicine*, *7*(4), 209. /pmc/articles/PMC3083260/

Elliott, J. O., & Charyton, C. (2014). Biopsychosocial predictors of psychogenic non-epileptic seizures. *Epilepsy Research*, *108*(9), 1543–1553. https://doi.org/10.1016/J.EPLEPSYRES.2014.09.003

Elliott, J. O., Charyton, C., McAuley, J. W., & Shneker, B. F. (2011). The impact of marital status on epilepsy-related health concerns. *Epilepsy Research*, *95*(3), 200–206. https://doi.org/10.1016/J.EPLEPSYRES.2011.03.016

Emmelkamp, P. M., David, D., Beckers, T., Muris, P., Cuijpers, P., Lutz, W., Andersson, G., Araya, R., Banos Rivera, R. M., Barkham, M., Berking, M., Berger, T., Botella, C., Carlbring, P., Colom, F., Essau, C., Hermans, D., Hofmann, S. G., Knappe, S., … Vervliet, B. (2014). Advancing psychotherapy and evidence-based psychological interventions. *International Journal of Methods in Psychiatric Research*, *23 Suppl 1*(Suppl 1), 58–91. https://doi.org/10.1002/mpr.1411

Engel, G. L. (1977). The Need for a New Medical Model: A Challenge for Biomedicine. *Science*, *196*(4286), 129–136. https://doi.org/10.1126/SCIENCE.847460

*English indices of deprivation 2015 - GOV.UK*. (n.d.). Retrieved May 31, 2023, from https://www.gov.uk/government/statistics/english-indices-of-deprivation-2015

Erickson, K., Drevets, W. C., Clark, L., Cannon, D. M., Bain, E. E., Zarate, C. A., Charney, D. S., & Sahakian, B. J. (2005). Mood-Congruent Bias in Affective Go/No-Go Performance of Unmedicated Patients With Major Depressive Disorder. *American Journal of Psychiatry*, *162*(11), 2171–2173. https://doi.org/10.1176/appi.ajp.162.11.2171

Ersche, K. D., & Sahakian, B. J. (2007). The Neuropsychology of Amphetamine and Opiate Dependence: Implications for Treatment. *Neuropsychology Review*, *17*(3), 317–336. https://doi.org/10.1007/s11065-007-9033-y

Ertan, D., Aybek, S., LaFrance, W. C., Kanemoto, K., Tarrada, A., Maillard, L., El-Hage, W., & Hingray, C. (2022). Functional (psychogenic non-epileptic/dissociative) seizures: why and how? *Journal of Neurology, Neurosurgery, and Psychiatry*, *93*(2), 144–157. https://doi.org/10.1136/JNNP-2021-326708

Esch, T. (2014). *The Neurobiology of Meditation and Mindfulness*. 153–173. https://doi.org/10.1007/978-3-319-01634-4\_9

Eslami, A. A., Rabiei, L., Afzali, S. M., Hamidizadeh, S., & Masoudi, R. (2016). The Effectiveness of Assertiveness Training on the Levels of Stress, Anxiety, and Depression of High School Students. *Iranian Red Crescent Medical Journal*, *18*(1), 1–10. https://doi.org/10.5812/IRCMJ.21096

Espay, A. J., Aybek, S., Carson, A., Edwards, M. J., Goldstein, L. H., Hallett, M., LaFaver, K., LaFrance Jr., W. C., Lang, A. E., Nicholson, T., Nielsen, G., Reuber, M., Voon, V., Stone, J., & Morgante, F. (2018). Current Concepts in Diagnosis and Treatment of Functional Neurological Disorders. *JAMA Neurol*, *75*(9), 1132–1141. https://doi.org/10.1001/jamaneurol.2018.1264

Espay, A. J., Goldenhar, L. M., Voon, V., Schrag, A., Burton, N., & Lang, A. E. (2009). Opinions and clinical practices related to diagnosing and managing patients with psychogenic movement disorders: An international survey of movement disorder society members. *Movement Disorders : Official Journal of the Movement Disorder Society*, *24*(9), 1366–1374. https://doi.org/10.1002/MDS.22618

Espay, A. J., Maloney, T., Vannest, J., Norris, M. M., Eliassen, J. C., Neefus, E., Allendorfer, J. B., Chen, R., & Szaflarski, J. P. (2018). Dysfunction in emotion processing underlies functional (psychogenic) dystonia. *Movement Disorders : Official Journal of the Movement Disorder Society*, *33*(1), 136. https://doi.org/10.1002/MDS.27217

Estroff, S. E., Penn, D. L., & Toporek, J. R. (2004). From stigma to discrimination: an analysis of community efforts to reduce the negative consequences of having a psychiatric disorder and label. *Schizophrenia Bulletin*, *30*(3), 493–509. https://doi.org/10.1093/OXFORDJOURNALS.SCHBUL.A007097

Etkin, A., Büchel, C., & Gross, J. J. (2015). The neural bases of emotion regulation. *Nature Reviews. Neuroscience*, *16*(11), 693–700. https://doi.org/10.1038/NRN4044

EuroQol. (1990). EuroQol--a new facility for the measurement of health-related quality of life. *Health Policy*, *16*(3), 199–208. https://doi.org/10.1016/0168-8510(90)90421-9

Fahn, S., & Williams, D. T. (1988). Psychogenic dystonia. *Adv Neurol*, *50*, 431–455.

Falquez, R., Lang, S., Dinu-Biringer, R., Nees, F., Arens, E., Kotchoubey, B., Berger, M., & Barnow, S. (2016). On the relationship between negative affective priming and prefrontal cognitive control mechanisms. *Cognition and Emotion*, *30*(2), 225–244. https://doi.org/10.1080/02699931.2014.994476

Fan, J., & Bond, T. (2019). Applying Rasch measurement in language assessment: Unidimensionality and local independence. In *Quantitative Data Analysis for Language Assessment Volume I: Fundamental Techniques* (1st ed., pp. 83–102). Taylor and Francis. https://doi.org/10.4324/9781315187815-5/APPLYING-RASCH-MEASUREMENT-LANGUAGE-ASSESSMENT-JASON-FAN-TREVOR-BOND

Fazio, R. H., Jackson, J. R., Dunton, B. C., Williams, C. J., & Fazio, H. (1994). *ATTITUDES AND SOCIAL COGNITION Variability in Automatic Activation as an Unobtrusive Measure of Racial Attitudes: A Bona Fide Pipeline?*

Fazio, R. H., Sanbonmatsu, D. M., Powell, M. C., & Kardes, F. R. (1986). On the automatic activation of attitudes. *Journal of Personality and Social Psychology*, *50*(2), 229–238. https://doi.org/10.1037/0022-3514.50.2.229

Ferrari, S., Galeazzi, G. M., Mackinnon, A., & Rigatelli, M. (2008). Frequent attenders in primary care: impact of medical, psychiatric and psychosomatic diagnoses. *Psychotherapy and Psychosomatics*, *77*(5), 306–314. https://doi.org/10.1159/000142523

Ferri, J., Schmidt, J., Hajcak, G., & Canli, T. (2016). Emotion regulation and amygdala-precuneus connectivity: Focusing on attentional deployment. *Cognitive, Affective & Behavioral Neuroscience*, *16*(6), 991–1002. https://doi.org/10.3758/S13415-016-0447-Y

Fields, S. A., Lange, K., Ramos, A., Thamotharan, S., & Rassu, F. (2014). The relationship between stress and delay discounting: A meta-analytic review. *Behavioural Pharmacology*, *25*(5–6), 434–444. https://doi.org/10.1097/FBP.0000000000000044

Fiess, J., Rockstroh, B., Schmidt, R., & Steffen, A. (2015). Emotion regulation and functional neurological symptoms: Does emotion processing convert into sensorimotor activity? *Journal of Psychosomatic Research*, *79*(6), 477–483. https://doi.org/10.1016/J.JPSYCHORES.2015.10.009

Fiess, J., Rockstroh, B., Schmidt, R., Wienbruch, C., & Steffen, A. (2016). Functional neurological symptoms modulate processing of emotionally salient stimuli. *Journal of Psychosomatic Research*, *91*, 61–67. https://doi.org/10.1016/J.JPSYCHORES.2016.10.007

Finger, R. P., Fenwick, E., Pesudovs, K., Marella, M., Lamoureux, E. L., & Holz, F. G. (2012). Rasch Analysis Reveals Problems with Multiplicative Scoring in the Macular Disease Quality of Life Questionnaire. *Ophthalmology*, *119*(11), 2351–2357. https://doi.org/10.1016/J.OPHTHA.2012.05.031

Finkelstein, S. A., Cortel-LeBlanc, M. A., Cortel-LeBlanc, A., & Stone, J. (2021). Functional neurological disorder in the emergency department. *Academic Emergency Medicine*, *28*(6), 685–696. https://doi.org/10.1111/ACEM.14263

Fisher, W. P. J. (2007). Rating Scale Instrument Quality Criteria. In *Rasch Measurement Transactions* (Vol. 21, Issue 1, pp. 1095–1095). https://www.rasch.org/rmt/rmt211m.htm

Fitzsimmon, S., Page, L., & Aram, J. (2017). 3 Non-epileptic seizures in the emergency department: an audit. *Journal of Neurology, Neurosurgery &amp; Psychiatry*, *88*(8), A28–A29. https://doi.org/10.1136/jnnp-2017-BNPA.63

Fobian, A. D., & Elliott, L. (2019). A review of functional neurological symptom disorder etiology and the integrated etiological summary model. *Journal of Psychiatry & Neuroscience : JPN*, *44*(1), 8. https://doi.org/10.1503/JPN.170190

Folkman, S., & Lazarus, R. S. (1985). If It Changes It Must Be a Process. Study of Emotion and Coping During Three Stages of a College Examination. *Journal of Personality and Social Psychology*, *48*(1), 150–170. https://doi.org/10.1037/0022-3514.48.1.150

Fox, E., Russo, R., Bowles, R., & Dutton, K. (2001). Do Threatening Stimuli Draw or Hold Visual Attention in Subclinical Anxiety? *Journal of Experimental Psychology. General*, *130*(4), 681. https://doi.org/10.1037/0096-3445.130.4.681

Frank, L., Lenderking, W. R., Howard, K., & Cantillon, M. (2011). Patient self-report for evaluating mild cognitive impairment and prodromal Alzheimer’s disease. *Alzheimer’s Research & Therapy*, *3*(6), 35. https://doi.org/10.1186/alzrt97

Freeston, M. H., Rhéaume, J., Letarte, H., Dugas, M. J., & Ladouceur, R. (1994). Why do people worry? *Personality and Individual Differences*, *17*(6), 791–802. https://doi.org/10.1016/0191-8869(94)90048-5

Frings, C., Wentura, D., & Holtz, M. (2007). Dysphorics cannot ignore unpleasant information. *Cognition & Emotion*, *21*(7), 1525–1534. https://doi.org/10.1080/02699930601054042

Frost, R., & McNaughton, N. (2017). The neural basis of delay discounting: A review and preliminary model. *Neuroscience & Biobehavioral Reviews*, *79*, 48–65. https://doi.org/10.1016/J.NEUBIOREV.2017.04.022

Gallagher, P., Meldrum, S., Copstick, S., Burnel, A., Matthews, A., Brown, M., Walker, S., Shah, P., & Razvi, S. (2013). MEDICALLY UNEXPLAINED NEUROLOGICAL SYMPTOMS ON AN ACUTE NEUROLOGY WARD: HEALTHCARE RESOURCE UTILISATION. *Journal of Neurology, Neurosurgery &amp;Amp; Psychiatry*, *84*(11), e2. https://doi.org/10.1136/jnnp-2013-306573.56

Galli, S., Tatu, L., Bogousslavsky, J., & Aybek, S. (2018). Conversion, Factitious Disorder and Malingering: A Distinct Pattern or a Continuum? *Frontiers of Neurology and Neuroscience*, *42*, 72–80. https://doi.org/10.1159/000475699

Gargon, E. (2016). The COMET (Core Outcome Measures in Effectiveness Trials) Initiative. *Maturitas*, *91*, 91–92. https://doi.org/10.1016/j.maturitas.2016.06.007

Gargon, E., Gorst, S. L., Matvienko-Sikar, K., & Williamson, P. R. (2021). Choosing important health outcomes for comparative effectiveness research: 6th annual update to a systematic review of core outcome sets for research. *PLOS ONE*, *16*(1), e0244878. https://doi.org/10.1371/JOURNAL.PONE.0244878

Gasparini, S., Beghi, E., Ferlazzo, E., Beghi, M., Belcastro, V., Biermann, K. P., Bottini, G., Capovilla, G., Cervellione, R. A., Cianci, V., Coppola, G., Cornaggia, C. M., De Fazio, P., De Masi, S., De Sarro, G., Elia, M., Erba, G., Fusco, L., Gambardella, A., … Aguglia, U. (2019). Management of psychogenic non-epileptic seizures: a multidisciplinary approach. *European Journal of Neurology*, *26*(2), 205-e15. https://doi.org/10.1111/ENE.13818

Gelauff, J., & Stone, J. (2016). Prognosis of functional neurologic disorders. *Handb Clin Neurol*, *139*, 523–541. https://doi.org/10.1016/b978-0-12-801772-2.00043-6

Gelauff, J., Stone, J., Edwards, M., & Carson, A. (2014). The prognosis of functional (psychogenic) motor symptoms: a systematic review. *Journal of Neurology, Neurosurgery, and Psychiatry*, *85*(2), 220–226. https://doi.org/10.1136/JNNP-2013-305321

Gilbert, P. (2009). Introducing compassion-focused therapy. *Advances in Psychiatric Treatment*, *15*(3), 199–208. https://doi.org/10.1192/APT.BP.107.005264

Gili, M., Luciano, J. V., Serrano, M. J., Jiménez, R., Bauza, N., & Roca, M. (2011). Mental disorders among frequent attenders in primary care: a comparison with routine attenders. *The Journal of Nervous and Mental Disease*, *199*(10), 744–749. https://doi.org/10.1097/NMD.0B013E31822FCD4D

Gilmour, G. S., Nielsen, G., Teodoro, T., Yogarajah, M., Coebergh, J. A., Dilley, M. D., Martino, D., & Edwards, M. J. (2020). Management of functional neurological disorder. *Journal of Neurology*, *267*(7), 2164–2172. https://doi.org/10.1007/S00415-020-09772-W/FIGURES/1

Glaser, J., & Banaji, M. R. (1999). When fair is foul and foul is fair: Reverse priming in automatic evaluation. *Journal of Personality and Social Psychology*, *77*(4), 669–687. https://doi.org/10.1037/0022-3514.77.4.669

Goedendorp, M. M., van der Werf, S. P., Bleijenberg, G., Tummers, M., & Knoop, H. (2013). Does neuropsychological test performance predict outcome of cognitive behavior therapy for Chronic Fatigue Syndrome and what is the role of underperformance? *Journal of Psychosomatic Research*, *75*(3), 242–248. https://doi.org/https://doi.org/10.1016/j.jpsychores.2013.07.011

Goeleven, E., De Raedt, R., Baert, S., & Koster, E. H. W. (2006). Deficient inhibition of emotional information in depression. *Journal of Affective Disorders*, *93*(1–3), 149–157. https://doi.org/10.1016/j.jad.2006.03.007

Goeleven, E., De Raedt, R., Leyman, L., & Verschuere, B. (2008). The Karolinska Directed Emotional Faces: A validation study. *Cognition & Emotion*, *22*(6), 1094–1118. https://doi.org/10.1080/02699930701626582

Goldstein, L. H., Chalder, T., Chigwedere, C., Khondoker, M. R., Moriarty, J., Toone, B. K., & Mellers, J. D. (2010). Cognitive-behavioral therapy for psychogenic nonepileptic seizures: a pilot RCT. *Neurology*, *74*(24), 1986–1994. https://doi.org/10.1212/WNL.0b013e3181e39658

Goldstein, L. H., & Mellers, J. D. (2006). Ictal symptoms of anxiety, avoidance behaviour, and dissociation in patients with dissociative seizures. *J Neurol Neurosurg Psychiatry*, *77*(5), 616–621. https://doi.org/10.1136/jnnp.2005.066878

Goldstein, L. H., Robinson, E. J., Mellers, J. D. C., Stone, J., Carson, A., Reuber, M., Medford, N., McCrone, P., Murray, J., Richardson, M. P., Pilecka, I., Eastwood, C., Moore, M., Mosweu, I., Perdue, I., Landau, S., Chalder, T., Abe, A. M., Adab, N., … Yogarajah, M. (2020a). Cognitive behavioural therapy for adults with dissociative seizures (CODES): a pragmatic, multicentre, randomised controlled trial. *The Lancet. Psychiatry*, *7*(6), 491–505. https://doi.org/10.1016/S2215-0366(20)30128-0

Goldstein, L. H., Robinson, E. J., Mellers, J. D. C., Stone, J., Carson, A., Reuber, M., Medford, N., Mccrone, P., Murray, J., Richardson, M. P., Pilecka, I., Eastwood, C., Moore, M., Mosweu, I., Perdue, I., Landau, S., Chalder, T., Abe, A.-M., Adab, N., … Yogarajah, M. (2020b). Cognitive behavioural therapy for adults with dissociative seizures (CODES): a pragmatic, multicentre, randomised controlled trial. *The Lancet Psychiatry*, *7*(6), 491–505. https://doi.org/10.1016/s2215-0366(20)30128-0

Goldstein, L. H., Robinson, E. J., Reuber, M., Chalder, T., Callaghan, H., Eastwood, C., Landau, S., McCrone, P., Medford, N., Mellers, J. D. C., Moore, M., Mosweu, I., Murray, J., Perdue, I., Pilecka, I., Richardson, M. P., Carson, A., Stone, J., Abe, A. M., … Wicks, L. (2019). Characteristics of 698 patients with dissociative seizures: A UK multicenter study. *Epilepsia*, *60*(11), 2182–2193. https://doi.org/10.1111/EPI.16350

Goldstein, L. H., Vitoratou, S., Stone, J., Chalder, T., Baldellou Lopez, M., Carson, A., & Reuber, M. (2023). Performance of the GAD-7 in adults with dissociative seizures. *Seizure*, *104*, 15–21. https://doi.org/10.1016/J.SEIZURE.2022.11.011

Goverover, Y., Kalmar, J., Gaudino-Goering, E., Shawaryn, M., Moore, N. B., Halper, J., & DeLuca, J. (2005). The Relation Between Subjective and Objective Measures of Everyday Life Activities in Persons With Multiple Sclerosis. *Archives of Physical Medicine and Rehabilitation*, *86*(12), 2303–2308. https://doi.org/https://doi.org/10.1016/j.apmr.2005.05.016

Graham, C. D., Stuart, S. R., O’Hara, D. J., & Kemp, S. (2017). Using Acceptance and Commitment Therapy to Improve Outcomes in Functional Movement Disorders: A Case Study. *Clinical Case Studies*, *16*(5), 401–416. https://doi.org/10.1177/1534650117706544

Gratz, K. L., & Roemer, L. (2004). Multidimensional Assessment of Emotion Regulation and Dysregulation: Development, Factor Structure, and Initial Validation of the Difficulties in Emotion Regulation Scale. *Journal of Psychopathology and Behavioral Assessment*, *26*(1), 41–54. https://doi.org/10.1023/b:joba.0000007455.08539.94

Gray, C., Calderbank, A., Adewusi, J., Hughes, R., & Reuber, M. (2020). Symptoms of posttraumatic stress disorder in patients with functional neurological symptom disorder. *J Psychosom Res*, *129*, 109907. https://doi.org/10.1016/j.jpsychores.2019.109907

Green, L., Fry, A. F., & Myerson, J. (1994). Discounting of Delayed Rewards: A Life-Span                    Comparison. *Https://Doi.Org/10.1111/j.1467-9280.1994.Tb00610.x*, *5*(1), 33–36. https://doi.org/10.1111/J.1467-9280.1994.TB00610.X

Greenfield, G., Blair, M., Aylin, P. P., Saxena, S., Majeed, A., Hoffman, M., & Bottle, A. (2020). Frequent attendances at emergency departments in England. *Emerg Med J*, *37*, 597–599. https://doi.org/10.1136/emermed-2018-208189

Grimshaw, J., Campbell, M., Eccles, M., & Steen, N. (2000). Experimental and quasi-experimental designs for evaluating guideline implementation strategies. *Fam Pract*, *17*(SUPPL. 1), S16. https://doi.org/10.1093/fampra/17.suppl\_1.s11

Grippa, E., Sellitto, M., Scarpazza, C., Mattioli, F., & di Pellegrino, G. (2017). Multiple sclerosis reduces sensitivity to immediate reward during decision making. *Behavioral Neuroscience*, *131*(4), 325–336. https://doi.org/10.1037/BNE0000206

Gross, J. J. (2002). Emotion regulation: affective, cognitive, and social consequences. *Psychophysiology*, *39*(3), 281–291. https://doi.org/10.1017/S0048577201393198

Gupta, A., & Lang, A. E. (2009). Psychogenic movement disorders. *Current Opinion in Neurology*, *22*(4), 430–436. https://doi.org/10.1097/WCO.0b013e32832dc169

Gyurak, A., Gross, J. J., & Etkin, A. (2011). Explicit and implicit emotion regulation: a dual-process framework. *Cognition & Emotion*, *25*(3), 400–412. https://doi.org/10.1080/02699931.2010.544160

Haeffel, G. J., & Howard, G. S. (2010). Self-report: psychology’s four-letter word. *Am J Psychol*, *123*(2), 181–188. https://doi.org/10.5406/amerjpsyc.123.2.0181

Hagger, M. S., & Orbell, S. (2003). A meta-analytic review of the common-sense model of illness representations. *Psychology & Health*, *18*(2), 141–184. https://doi.org/10.1080/088704403100081321

Hallett, M., Aybek, S., Dworetzky, B. A., McWhirter, L., Staab, J. P., & Stone, J. (2022). Functional neurological disorder: new subtypes and shared mechanisms. *The Lancet. Neurology*, *21*(6), 537–550. https://doi.org/10.1016/S1474-4422(21)00422-1

Hallion, L. S., & Ruscio, A. M. (2011). A meta-analysis of the effect of cognitive bias modification on anxiety and depression. *Psychological Bulletin*, *137*(6), 940–958. https://doi.org/10.1037/A0024355

Hansagi, H., Olsson, M., Sjöberg, S., Tomson, Y., & Göransson, S. (2001). Frequent use of the hospital emergency department is indicative of high use of other health care services. *Annals of Emergency Medicine*, *37*(6), 561–567. https://doi.org/10.1067/MEM.2001.111762

Harmer, C. J., O’Sullivan, U., Favaron, E., Massey-Chase, R., Ayres, R., Reinecke, A., Goodwin, G. M., & Cowen, P. J. (2009). Effect of Acute Antidepressant Administration on Negative Affective Bias in Depressed Patients. *American Journal of Psychiatry*, *166*(10), 1178–1184. https://doi.org/10.1176/appi.ajp.2009.09020149

Hassa, T., Sebastian, A., Liepert, J., Weiller, C., Schmidt, R., & Tüscher, O. (2017). Symptom-specific amygdala hyperactivity modulates motor control network in conversion disorder. *NeuroImage : Clinical*, *15*, 143. https://doi.org/10.1016/J.NICL.2017.04.004

Hayes, S. C., & Hofmann, S. G. (2017). The third wave of cognitive behavioral therapy and the rise of process-based care. *World Psychiatry*, *16*(3), 245–246. https://doi.org/10.1002/wps.20442

Hayton, J. C., Allen, D. G., & Scarpello, V. (2004). Factor Retention Decisions in Exploratory Factor Analysis: a Tutorial on Parallel Analysis. *Organizational Research Methods*, *7*(2), 191–205. https://doi.org/10.1177/1094428104263675

Helgeson, V. S., & Fritz, H. L. (1998). A theory of unmitigated communion. *Personality and Social Psychology Review*, *2*(3), 173–183. https://doi.org/10.1207/s15327957pspr0203\_2

Helgeson, V. S., & Fritz, H. L. (1999). Unmitigated Agency and Unmitigated Communion: Distinctions from Agency and Communion. *Journal of Research in Personality*, *33*(2), 131–158. https://doi.org/10.1006/JRPE.1999.2241

Hendrickson, K. L., & Rasmussen, E. B. (2013). Effects of mindful eating training on delay and probability discounting for food and money in obese and healthy-weight individuals. *Behaviour Research and Therapy*, *51*(7), 399–409. https://doi.org/10.1016/j.brat.2013.04.002

Hermans, D., De Houwer, J., & Eelen, P. (2001). A time course analysis of the affective priming effect. *Cognition and Emotion*, *15*(2), 143–165. https://doi.org/10.1080/0269993004200033

Hermans, D., Houwer, J. De, & Eelen, P. (1994). The affective priming effect: Automatic activation of evaluative information in memory. *Http://Dx.Doi.Org/10.1080/02699939408408957*, *8*(6), 515–533. https://doi.org/10.1080/02699939408408957

Herrero, H., Tarrada, A., Haffen, E., Mignot, T., Sense, C., Schwan, R., El-Hage, W., Maillard, L., & Hingray, C. (2020). Skin conductance response and emotional response in women with psychogenic non-epileptic seizures. *Seizure*, *81*, 123–131. https://doi.org/https://doi.org/10.1016/j.seizure.2020.07.028

Herring, D. R., White, K. R., Jabeen, L. N., Hinojos, M., Terrazas, G., Reyes, S. M., Taylor, J. H., & Crites, S. L. (2013). On the automatic activation of attitudes: A quarter century of evaluative priming research. *Psychological Bulletin.*, *139*(5), 1062–1089. https://doi.org/10.1037/a0031309 info:doi/10.1037/a0031309

Hinson, V. K., Cubo, E., Comella, C. L., Goetz, C. G., & Leurgans, S. (2005). Rating scale for psychogenic movement disorders: Scale development and clinimetric testing. *Movement Disorders*, *20*(12), 1592–1597. https://doi.org/10.1002/mds.20650

Hinz, A., Ernst, J., Glaesmer, H., Brähler, E., Rauscher, F. G., Petrowski, K., & Kocalevent, R. D. (2017). Frequency of somatic symptoms in the general population: Normative values for the Patient Health Questionnaire-15 (PHQ-15). *J Psychosom Res*, *96*, 27–31. https://doi.org/10.1016/j.jpsychores.2016.12.017

Hobart, J., & Cano, S. (2009). Improving the evaluation of therapeutic interventions in multiple sclerosis: the role of new psychometric methods. *Health Technology Assessment*, *13*(12), 1–200. https://doi.org/10.3310/HTA13120

Holt-Lunstad, J., & Lefler, M. (2020). Social Integration. *Encyclopedia of Gerontology and Population Aging*, 1–11. https://doi.org/10.1007/978-3-319-69892-2\_646-2

Horn, J. L. (1965). A rationale and test for the number of factors in factor analysis. *Psychometrika*, *30*(2), 179–185. https://doi.org/10.1007/BF02289447

Hu, L. T., & Bentler, P. M. (2009). Cutoff criteria for fit indexes in covariance structure analysis: Conventional criteria versus new alternatives. *Https://Doi.Org/10.1080/10705519909540118*, *6*(1), 1–55. https://doi.org/10.1080/10705519909540118

Hubschmid, M., Aybek, S., Maccaferri, G. E., Chocron, O., Gholamrezaee, M. M., Rossetti, A. O., Vingerhoets, F., & Berney, A. (2015). Efficacy of brief interdisciplinary psychotherapeutic intervention for motor conversion disorder and nonepileptic attacks. *General Hospital Psychiatry*, *37*(5), 448–455. https://doi.org/10.1016/J.GENHOSPPSYCH.2015.05.007

Hudon, C., Chouinard, M. C., Lambert, M., Dufour, I., & Krieg, C. (2016). Effectiveness of case management interventions for frequent users of healthcare services: a scoping review. *BMJ Open*, *6*(9). https://doi.org/10.1136/BMJOPEN-2016-012353

Hudson, J., Fielding, S., & Ramsay, C. R. (2019). Methodology and reporting characteristics of studies using interrupted time series design in healthcare. *BMC Medical Research Methodology*, *19*(1), 1–7. https://doi.org/10.1186/S12874-019-0777-X/TABLES/5

Hughes-Gooding, T., Dickson, J. M., O’Keeffe, C., & Mason, S. M. (2020). A data linkage study of suspected seizures in the urgent and emergency care system in the UK. *Emergency Medicine Journal : EMJ*, *37*(10), 605. https://doi.org/10.1136/EMERMED-2019-208820

*IBM SPSS Statistics for Windows,* (27.0). (2020). IBM Corp.

Ijaz, T., Nasir, A., Sarfraz, N., & Ijaz, S. (2017). Psychometric properties of Conversion Disorder Scale- Revised (CDS) for children. *J Pak Med Assoc*, *67*(5), 725–730.

Jackson, J. N. S., & Mackillop, J. (2016a). Attention-Deficit/Hyperactivity Disorder and Monetary Delay Discounting: A Meta-Analysis of Case-Control Studies. *Biological Psychiatry : Cognitive Neuroscience and Neuroimaging*, *1*(4), 316. https://doi.org/10.1016/J.BPSC.2016.01.007

Jackson, J. N. S., & Mackillop, J. (2016b). Attention-Deficit/Hyperactivity Disorder and Monetary Delay Discounting: A Meta-Analysis of Case-Control Studies. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, *1*(4), 316–325. https://doi.org/10.1016/J.BPSC.2016.01.007

Jacob, A. E., Kaelin, D. L., Roach, A. R., Ziegler, C. H., & LaFaver, K. (2018). Motor Retraining (MoRe) for Functional Movement Disorders: Outcomes From a 1-Week Multidisciplinary Rehabilitation Program. *PM and R*, *10*(11), 1164–1172. https://doi.org/10.1016/j.pmrj.2018.05.011

Jalilianhasanpour, R., Ospina, J. P., Williams, B., Mello, J., MacLean, J., Ranford, J., Fricchione, G. L., LaFrance, W. C., & Perez, D. L. (2019). Secure Attachment and Depression Predict 6-Month Outcome in Motor Functional Neurological Disorders: A Prospective Pilot Study. *Psychosomatics*, *60*(4), 365–375. https://doi.org/10.1016/J.PSYM.2018.08.004

Jalilianhasanpour, R., Williams, B., Gilman, I., Burke, M. J., Glass, S., Fricchione, G. L., Keshavan, M. S., LaFrance Jr., W. C., & Perez, D. L. (2018). Resilience linked to personality dimensions, alexithymia and affective symptoms in motor functional neurological disorders. *J Psychosom Res*, *107*, 55–61. https://doi.org/10.1016/j.jpsychores.2018.02.005

Jennum, P., Ibsen, R., & Kjellberg, J. (2019). Morbidity and mortality of nonepileptic seizures (NES): A controlled national study. *Epilepsy & Behavior : E&B*, *96*, 229–233. https://doi.org/10.1016/J.YEBEH.2019.03.016

Jimura, K., Chushak, M. S., & Braver, T. S. (2013). Impulsivity and Self-Control during Intertemporal Decision Making Linked to the Neural Dynamics of Reward Value Representation. *The Journal of Neuroscience*, *33*(1), 344. https://doi.org/10.1523/JNEUROSCI.0919-12.2013

Johansson, P., Hall, L., Sikström, S., Tärning, B., & Lind, A. (2006). How something can be said about telling more than we can know: on choice blindness and introspection. *Conscious Cogn*, *15*(4), 673–692; discussion 693-9. https://doi.org/10.1016/j.concog.2006.09.004

Jones, A. T., O’Connell, N. K., & David, A. S. (2020). Epidemiology of functional stroke mimic patients: a systematic review and meta-analysis. *European Journal of Neurology*, *27*(1), 18–26. https://doi.org/10.1111/ENE.14069

Joormann, J. (2004). Attentional bias in dysphoria: The role of inhibitory processes. *Cognition & Emotion*, *18*(1), 125–147. https://doi.org/10.1080/02699930244000480

Joormann, J. (2010). Cognitive inhibition and emotion regulation in depression. *Current Directions in Psychological Science*, *19*(3), 161–166. https://doi.org/10.1177/0963721410370293

Jungilligens, J., Michaelis, R., & Popkirov, S. (2021). Original research: Misdiagnosis of prolonged psychogenic non-epileptic seizures as status epilepticus: epidemiology and associated risks. *Journal of Neurology, Neurosurgery, and Psychiatry*, *92*(12), 1341. https://doi.org/10.1136/JNNP-2021-326443

Kabat-Zinn, J. (2003). Mindfulness-based interventions in context: Past, present, and future. *Clinical Psychology: Science and Practice*, *10*(2), 144–156. https://doi.org/10.1093/CLIPSY.BPG016

Kaggwa, M. M., Najjuka, S. M., Mamun, M. A., Griffiths, M. D., Nyemara, N., & Ashaba, S. (2023). Involvement and burden of informal caregivers of patients with mental illness: the mediating role of affiliated stigma. *BMC Psychiatry*, *23*(1), 1–9. https://doi.org/10.1186/S12888-023-04553-X/TABLES/4

Kaiser, H. F. (1960). The application of electronic computers to factor analysis. *Educational and Psychological Measurement*, *20*, 141–151. https://doi.org/10.1177/001316446002000116

Kaiser, H. F. (1970). A second generation little jiffy. *Psychometrika*, *35*(4), 401–415. https://doi.org/10.1007/BF02291817

Kanaan, R. A., Carson, A., Wessely, S. C., Nicholson, T. R., Aybek, S., & David, A. S. (2010). What’s so special about conversion disorder? A problem and a proposal for diagnostic classification. In *Br J Psychiatry* (Vol. 196, Issue 6, pp. 427–428). https://doi.org/10.1192/bjp.bp.109.073981

Karakis, I., Janocko, N. J., Morton, M. L., Groover, O., Teagarden, D. L., Villarreal, H. K., Loring, D. W., & Drane, D. L. (2020). Stigma in psychogenic nonepileptic seizures. *Epilepsy & Behavior : E&B*, *111*. https://doi.org/10.1016/J.YEBEH.2020.107269

Kemp, S., Kapur, N., Graham, C. D., & Reuber, M. (2022). Functional Cognitive Disorder: Differential Diagnosis of Common Clinical Presentations. *Archives of Clinical Neuropsychology : The Official Journal of the National Academy of Neuropsychologists*, *37*(6), 1158–1176. https://doi.org/10.1093/ARCLIN/ACAC020

Keynejad, R. C., Fenby, E., Pick, S., Moss-Morris, R., Hirsch, C., Chalder, T., Hughes, A. M., & Nicholson, T. R. (2020). Attentional Processing and Interpretative Bias in Functional Neurological Disorder. *Psychosomatic Medicine*, *82*(6), 586–592. https://doi.org/10.1097/PSY.0000000000000821

Keynejad, R. C., Frodl, T., Kanaan, R., Pariante, C., Reuber, M., & Nicholson, T. R. (2019). Stress and functional neurological disorders: mechanistic insights. *Journal of Neurology, Neurosurgery & Psychiatry*, *90*(7), 813–821. https://doi.org/10.1136/JNNP-2018-318297

Kienle, J., Rockstroh, B., Fiess, J., Schmidt, R., Popov, T., & Steffen-Klatt, A. (2018). Variation of functional neurological symptoms and emotion regulation with time. *Frontiers in Psychiatry*, *9*(FEB), 35. https://doi.org/10.3389/FPSYT.2018.00035/FULL

Kirby, K. N. (1997). Bidding on the Future: Evidence Against Normative Discounting of Delayed Rewards. *Journal of Experimental Psychology: General*, *126*(1), 54–70. https://doi.org/10.1037/0096-3445.126.1.54

Kirby, K. N., & Maraković, N. N. (1995). Modeling myopic decisions: Evidence for hyperbolic delay-discounting within subjects and amounts. *Organizational Behavior and Human Decision Processes*, *64*(1), 22–30. https://doi.org/10.1006/OBHD.1995.1086

Kirby, K. N., & Maraković, N. N. (1996). Delay-discounting probabilistic rewards: Rates decrease as amounts increase. *Psychonomic Bulletin and Review*, *3*(1), 100–104. https://doi.org/10.3758/BF03210748

Klauer, K. C., Musch, J., Musch, J., & Klauer, K. C. (2003). *Affective priming: Findings and theories*. https://philpapers.org/rec/KLAAPF

Kleim, B., Vauth, R., Adam, G., Stieglitz, R. D., Hayward, P., & Corrigan, P. (2008). Perceived stigma predicts low self-efficacy and poor coping in schizophrenia. *Journal of Mental Health*, *17*(5), 482–491. https://doi.org/10.1080/09638230701506283

Kleinstäuber, M., Gottschalk, J., Berking, M., Rau, J., & Rief, W. (2016). Enriching Cognitive Behavior Therapy with Emotion Regulation Training for Patients with Multiple Medically Unexplained Symptoms (ENCERT): Design and implementation of a multicenter, randomized, active-controlled trial. *Contemporary Clinical Trials*, *47*, 54–63. https://doi.org/10.1016/J.CCT.2015.12.003

Kobau, R., & Dilorio, C. (2003). Epilepsy self-management: A comparison of self-efficacy and outcome expectancy for medication adherence and lifestyle behaviors among people with epilepsy. *Epilepsy and Behavior*, *4*(3), 217–225. https://doi.org/10.1016/S1525-5050(03)00057-X

Koerts, J., Tucha, L., Leenders, K. L., van Beilen, M., Brouwer, W. H., & Tucha, O. (2011). Subjective and objective assessment of executive functions in Parkinson’s disease. *J Neurol Sci*, *310*(1–2), 172–175. https://doi.org/10.1016/j.jns.2011.07.009

Koff, E., & Lucas, M. (2011). Mood moderates the relationship between impulsiveness and delay discounting. *Personality and Individual Differences*, *50*(7), 1018–1022. https://doi.org/10.1016/J.PAID.2011.01.016

Konnopka, A., Schaefert, R., Heinrich, S., Kaufmann, C., Luppa, M., Herzog, W., & Knig, H. H. (2012). Economics of medically unexplained symptoms: a systematic review of the literature. *Psychotherapy and Psychosomatics*, *81*(5), 265–275. https://doi.org/10.1159/000337349

Kontopantelis, E., Doran, T., Springate, D. A., Buchan, I., & Reeves, D. (2015). Regression based quasi-experimental approach when randomisation is not an option: interrupted time series analysis. *BMJ (Clinical Research Ed.)*, *350*. https://doi.org/10.1136/BMJ.H2750

Koppehele-Gossel, J., Hoffmann, L., Banse, R., & Gawronski, B. (2020). Evaluative priming as an implicit measure of evaluation: An examination of outlier-treatments for evaluative priming scores. *Journal of Experimental Social Psychology*, *87*, 103905. https://doi.org/10.1016/J.JESP.2019.103905

Koreki, A., Garfkinel, S. N., Mula, M., Agrawal, N., Cope, S., Eilon, T., Gould Van Praag, C., Critchley, H. D., Edwards, M., & Yogarajah, M. (2020). Trait and state interoceptive abnormalities are associated with dissociation and seizure frequency in patients with functional seizures. *Epilepsia*, *61*(6), 1156–1165. https://doi.org/10.1111/epi.16532

Kotwas, I., McGonigal, A., Trebuchon, A., Bastien-Toniazzo, M., Nagai, Y., Bartolomei, F., & Micoulaud-Franchi, J. A. (2016). Self-control of epileptic seizures by nonpharmacological strategies. *Epilepsy & Behavior*, *55*, 157–164. https://doi.org/10.1016/J.YEBEH.2015.12.023

Kotwas, I., Micoulaud-Franchi, J. A., Khalfa, S., McGonigal, A., Bastien-Toniazzo, M., & Bartolomei, F. (2019). Subjective and physiological response to emotions in temporal lobe epilepsy and psychogenic non-epileptic seizures. *J Affect Disord*, *244*, 46–53. https://doi.org/10.1016/j.jad.2018.10.004

Kozlowska, K., Brown, K. J., Palmer, D. M., & Williams, L. M. (2013). Specific biases for identifying facial expression of emotion in children and adolescents with conversion disorders. *Psychosomatic Medicine*, *75*(3), 272–280. https://doi.org/10.1097/PSY.0B013E318286BE43

Kramer, G., Dominguez-Vega, Z. T., Laarhoven, H. S. A., Brandsma, R., Smit, M., van der Stouwe, A. M. M., Elting, J. W. J., Maurits, N. M., Rosmalen, J. G. M., & Tijssen, M. A. J. (2019). Similar association between objective and subjective symptoms in functional and organic tremor. *Parkinsonism & Related Disorders*, *64*, 2–7. https://doi.org/10.1016/j.parkreldis.2019.05.026

Kranick, S. M., Gorrindo, T., & Hallett, M. (2011). Psychogenic Movement Disorders and Motor Conversion: A Roadmap for Collaboration Between Neurology and Psychiatry. *Psychosomatics*, *52*(2), 109–116. https://doi.org/10.1016/J.PSYM.2010.12.017

Krieg, C., Hudon, C., Chouinard, M. C., & Dufour, I. (2016). Individual predictors of frequent emergency department use: a scoping review. *BMC Health Services Research*, *16*(1). https://doi.org/10.1186/S12913-016-1852-1

Kroenke, K. (2007). Efficacy of treatment for somatoform disorders: a review of randomized controlled trials. *Psychosomatic Medicine*, *69*(9), 881–888. https://doi.org/10.1097/PSY.0B013E31815B00C4

Kroenke, K., Spitzer, R. L., & Williams, J. B. (2001a). The PHQ-9: validity of a brief depression severity measure. *J Gen Intern Med*, *16*(9), 606–613. https://doi.org/10.1046/j.1525-1497.2001.016009606.x

Kroenke, K., Spitzer, R. L., & Williams, J. B. (2001b). The PHQ-9: validity of a brief depression severity measure. *J Gen Intern Med*, *16*(9), 606–613. https://doi.org/10.1046/j.1525-1497.2001.016009606.x

Kroenke, K., Spitzer, R. L., & Williams, J. B. (2002). The PHQ-15: validity of a new measure for evaluating the severity of somatic symptoms. *Psychosom Med*, *64*(2), 258–266. https://doi.org/10.1097/00006842-200203000-00008

Kroenke, K., Spitzer, R. L., Williams, J. B. W., & Löwe, B. (2010a). The Patient Health Questionnaire Somatic, Anxiety, and Depressive Symptom Scales: a systematic review. *General Hospital Psychiatry*, *32*(4), 345–359. https://doi.org/https://doi.org/10.1016/j.genhosppsych.2010.03.006

Kroenke, K., Spitzer, R. L., Williams, J. B. W., & Löwe, B. (2010b). The Patient Health Questionnaire Somatic, Anxiety, and Depressive Symptom Scales: a systematic review. *General Hospital Psychiatry*, *32*(4), 345–359. https://doi.org/https://doi.org/10.1016/j.genhosppsych.2010.03.006

Lackner, R. J., & Fresco, D. M. (2016). Interaction effect of brooding rumination and interoceptive awareness on depression and anxiety symptoms. *Behaviour Research and Therapy*, *85*, 43–52. https://doi.org/10.1016/J.BRAT.2016.08.007

LaFrance Jr, W. C., & Friedman, J. H. (2009). Cognitive behavioral therapy for psychogenic movement disorder. *Movement Disorders*, *24*(12), 1856–1857. https://doi.org/10.1002/mds.22683

LaFrance, W. C., Baird, G. L., Barry, J. J., Blum, A. S., Webb, A. F., Keitner, G. I., Machan, J. T., Miller, I., & Szaflarski, J. P. (2014). Multicenter Pilot Treatment Trial for Psychogenic Nonepileptic Seizures: A Randomized Clinical Trial. *JAMA Psychiatry*, *71*(9), 997–1005. https://doi.org/10.1001/JAMAPSYCHIATRY.2014.817

Lafrance, W. C., Baker, G. A., Duncan, R., Goldstein, L. H., & Reuber, M. (2013). Minimum requirements for the diagnosis of psychogenic nonepileptic seizures: A staged approach. *Epilepsia*, *54*(11), 2005–2018. https://doi.org/10.1111/epi.12356

Lange, A. J., Rimm, D. C., & Loxley, J. (1975). Cognitive-Behavioral Assertion Training Procedures. *The Counseling Psychologist*, *5*(4), 37–41. https://doi.org/10.1177/001100007500500406/ASSET/001100007500500406.FP.PNG\_V03

Latreille, V., Dworetzky, B. A., Baslet, G., & Pavlova, M. (2019). Sleep disturbances in patients with psychogenic non-epileptic seizures: Is it all subjective? A prospective pilot study of sleep-wake patterns. *Seizure*, *65*, 124–128. https://doi.org/10.1016/j.seizure.2019.01.016

Lawrence, K. A., Allen, J. S., & Chanen, A. M. (2010). Impulsivity in borderline personality disorder: reward-based decision-making and its relationship to emotional distress. *Journal of Personality Disorders*, *24*(6), 785–799. https://doi.org/10.1521/PEDI.2010.24.6.785

Layard, R., & Clark, D. M. (2015). Why More Psychological Therapy Would Cost Nothing. *Frontiers in Psychology*, *6*, 1713. https://doi.org/10.3389/fpsyg.2015.01713

Lee, M. K., & Oh, J. (2020). Health-Related Quality of Life in Older Adults: Its Association with Health Literacy, Self-Efficacy, Social Support, and Health-Promoting Behavior. *Healthcare 2020, Vol. 8, Page 407*, *8*(4), 407. https://doi.org/10.3390/HEALTHCARE8040407

Leising, D., Grande, T., & Faber, R. (2009). The Toronto Alexithymia Scale (TAS-20): A measure of general psychological distress. *Journal of Research in Personality*, *43*(4), 707–710. https://doi.org/10.1016/J.JRP.2009.03.009

Lemoult, J., & Gotlib, I. H. (2018). *Depression: A cognitive perspective ☆*. https://doi.org/10.1016/j.cpr.2018.06.008

Lempert, K. M., Porcelli, A. J., Delgado, M. R., & Tricomi, E. (2012). Individual Differences in Delay Discounting Under Acute Stress: The Role of Trait Perceived Stress. *Frontiers in Psychology*, *3*. https://doi.org/10.3389/fpsyg.2012.00251

Leventhal, H., Nerenz, D. R., & Steele, D. J. (1984).  Illness representation and coping with health threats. . In S. E. T. A. Baum & J. E. Singer (Ed.), *Handbook of Psychology and Health* (pp. 219–252). Lawrence Erlbaum Associates.

Lewis, J., Weich, S., O’Keeffe, C., Stone, T., Hulin, J., Bell, N., Doyle, M., Lucock, M., & Mason, S. (2023). Use of urgent, emergency and acute care by mental health service users: A record-level cohort study. *PLOS ONE*, *18*(2), e0281667. https://doi.org/10.1371/JOURNAL.PONE.0281667

*Lifespan Integration, Connecting Ego States through Time - Lifespan Integration*. (n.d.). Retrieved June 10, 2023, from https://lifespanintegration.com/product/lifespan-integration-connecting-ego-states-through-time/

Lin, A., & Espay, A. J. (2021). Remote delivery of cognitive behavioral therapy to patients with functional neurological disorders: Promise and challenges. *Epilepsy & Behavior Reports*, *16*. https://doi.org/10.1016/J.EBR.2021.100469

Linacre, J. (2019). *Winsteps® Rasch measurement computer program User’s Guide*. Winsteps.com.

Linacre, J. M. (2002). Optimizing Rating Scale Category Effectiveness. *Journal of Applied Measurement*, *3*(1), 85–106.

Linacre, J. M. (2022). *Winsteps® Rasch measurement computer program* ((Version 5.2.3)). Winsteps.com.

Link, B. G., & Phelan, J. C. (2001). Conceptualizing stigma. *Annual Review of Sociology*, *27*, 363–385. https://doi.org/10.1146/ANNUREV.SOC.27.1.363

Liu, L., Feng, T., Chen, J., & Li, H. (2013). The Value of Emotion: How Does Episodic Prospection Modulate Delay Discounting? *PLOS ONE*, *8*(11), e81717. https://doi.org/10.1371/JOURNAL.PONE.0081717

Lloyd-Rees, J. (2018). Supporting Frequent attenders to reduce their visits to an emergency department. *Emergency Nurse*, *27*(1). https://doi.org/10.7748/EN.2018.E1853

Looper, K. J., & Kirmayer, L. J. (2004). Perceived stigma in functional somatic syndromes and comparable medical conditions. *Journal of Psychosomatic Research*, *57*(4), 373–378. https://doi.org/10.1016/j.jpsychores.2004.03.005

López-Pérez, B., & Ambrona, T. (2015). The role of cognitive emotion regulation on the vicarious emotional response. *Motivation and Emotion*, *39*(2), 299–308. https://doi.org/10.1007/S11031-014-9452-Z

Lorenzo-Seva, U. (2021). SOLOMON: a method for splitting a sample into equivalent subsamples in factor analysis. *Behavior Research Methods*, *1*, 1–13. https://doi.org/10.3758/S13428-021-01750-Y/TABLES/4

Lovell, D. M., Williams, J. M. G., & Hill, A. B. (1997). Selective processing of shape-related words in women with eating disorders, and those who have recovered. *British Journal of Clinical Psychology*, *36*(3), 421–432. https://doi.org/10.1111/j.2044-8260.1997.tb01249.x

Ludwig, L., Pasman, J. A., Nicholson, T., Aybek, S., David, A. S., Tuck, S., Kanaan, R. A., Roelofs, K., Carson, A., & Stone, J. (2018). Stressful life events and maltreatment in conversion (functional neurological) disorder: systematic review and meta-analysis of case-control studies. *The Lancet Psychiatry*, *5*(4), 307–320. https://doi.org/10.1016/s2215-0366(18)30051-8

Lundgren, T., Dahl, J. A., & Hayes, S. C. (2008). Evaluation of mediators of change in the treatment of epilepsy with acceptance and commitment therapy. *Journal of Behavioral Medicine*, *31*(3), 225–235. https://doi.org/10.1007/S10865-008-9151-X/TABLES/4

Lundqvist, D., Flykt, A., & Ohman, A. (1998). Karolinska Directed Emotional Faces. In *Karolinska Directed Emotional Faces*. https://psycnet.apa.org/doiLanding?doi=10.1037%2Ft27732-000

Luszczynska, A., Sarkar, Y., & Knoll, N. (2007). Received social support, self-efficacy, and finding benefits in disease as predictors of physical functioning and adherence to antiretroviral therapy. *Patient Education and Counseling*, *66*(1), 37–42. https://doi.org/10.1016/J.PEC.2006.10.002

Macduffie, K. E., Grubbs, L., Best, T., Laroche, S., Mildon, B., Myers, L., Stafford, E., & Rommelfanger, K. S. (2020). Stigma and functional neurological disorder: a research agenda targeting the clinical encounter. *CNS Spectrums*, *26*(6), 587–592. https://doi.org/10.1017/S1092852920002084

Macerollo, A., Chen, J. C., Parés, I., Kassavetis, P., Kilner, J. M., & Edwards, M. J. (2015). Sensory Attenuation Assessed by Sensory Evoked Potentials in Functional Movement Disorders. *PLOS ONE*, *10*(6), e0129507. https://doi.org/10.1371/JOURNAL.PONE.0129507

Mackay, M., Mahlaba, H., Gavillet, E., & Whittaker, R. G. (2017). Seizure self-prediction: Myth or missed opportunity? *Seizure*, *51*, 180–185. https://doi.org/10.1016/J.SEIZURE.2017.08.011

MacLeod, C., & Mathews, A. (2012). Cognitive bias modification approaches to anxiety. *Annual Review of Clinical Psychology*, *8*, 189–217. https://doi.org/10.1146/ANNUREV-CLINPSY-032511-143052

Mahoney, A. E. J., & McEvoy, P. M. (2012). A Transdiagnostic Examination of Intolerance of Uncertainty Across Anxiety and Depressive Disorders. *Http://Dx.Doi.Org/10.1080/16506073.2011.622130*, *41*(3), 212–222. https://doi.org/10.1080/16506073.2011.622130

Major, B., & O’Brien, L. T. (2005). The social psychology of stigma. *Annual Review of Psychology*, *56*, 393–421. https://doi.org/10.1146/ANNUREV.PSYCH.56.091103.070137

Malesza, M. (2019a). Relationship between emotion regulation, negative affect, gender and delay discounting. *Current Psychology : Research & Reviews.*

Malesza, M. (2019b). Stress and delay discounting: The mediating role of difficulties in emotion regulation. *Personality and Individual Differences*, *144*, 56–60. https://doi.org/10.1016/j.paid.2019.02.035

Marcus, D. K., Gurley, J. R., Marchi, M. M., & Bauer, C. (2007). Cognitive and perceptual variables in hypochondriasis and health anxiety: a systematic review. *Clin Psychol Rev*, *27*(2), 127–139. https://doi.org/10.1016/j.cpr.2006.09.003

Martlew, J., Pulman, J., & Marson, A. G. (2014). Psychological and behavioural treatments for adults with non-epileptic attack disorder. *The Cochrane Database of Systematic Reviews*, *2014*(2). https://doi.org/10.1002/14651858.CD006370.PUB2

Mason, S., Stone, T., Jacques, R., Lewis, J., Simpson, R., Kuczawski, M., & Franklin, M. (2022). Creating a Real-World Linked Research Platform for Analyzing the Urgent and Emergency Care System. *Medical Decision Making*, *42*(8), 999–1009. https://doi.org/10.1177/0272989X221098699/FORMAT/EPUB

Masters, G. N. (1982). A rasch model for partial credit scoring. *Psychometrika*, *47*(2), 149–174. https://doi.org/10.1007/BF02296272/METRICS

Mathews, A., & Macleod, C. (2005). Cognitive Vulnerability to Emotional Disorders. *Annual Review of Clinical Psychology*, *1*(1), 167–195. https://doi.org/10.1146/annurev.clinpsy.1.102803.143916

Maurer, C. W., LaFaver, K., Ameli, R., Epstein, S. A., Hallett, M., & Horovitz, S. G. (2016). Impaired self-agency in functional movement disorders: A resting-state fMRI study. *Neurology*, *87*(6), 564. https://doi.org/10.1212/WNL.0000000000002940

Maurer, C. W., LaFaver, K., Ameli, R., Toledo, R., & Hallett, M. (2015). A biological measure of stress levels in patients with functional movement disorders. *Parkinsonism & Related Disorders*, *21*(9), 1072–1075. https://doi.org/10.1016/j.parkreldis.2015.06.017

Mayor, R., Howlett, S., Grünewald, R., & Reuber, M. (2010). Long-term outcome of brief augmented psychodynamic interpersonal therapy for psychogenic nonepileptic seizures: seizure control and health care utilization. *Epilepsia*, *51*(7), 1169–1176. https://doi.org/10.1111/j.1528-1167.2010.02656.x

McCormack, R., Moriarty, J., Mellers, J. D., Shotbolt, P., Pastena, R., Landes, N., Goldstein, L., Fleminger, S., & David, A. S. (2014). Specialist inpatient treatment for severe motor conversion disorder: a retrospective comparative study. *Journal of Neurology, Neurosurgery & Psychiatry*, *85*(8), 895–900. https://doi.org/10.1136/JNNP-2013-305716

McEvoy, P. M., & Mahoney, A. E. J. (2012). To Be Sure, To Be Sure: Intolerance of Uncertainty Mediates Symptoms of Various Anxiety Disorders and Depression. *Behavior Therapy*, *43*(3), 533–545. https://doi.org/10.1016/J.BETH.2011.02.007

Merkler, A. E., Parikh, N. S., Chaudhry, S., Chait, A., Allen, N. C., Navi, B. B., & Kamel, H. (2016). Hospital revisit rate after a diagnosis of conversion disorder. *J Neurol Neurosurg Psychiatry*, *87*(4), 363–366. https://doi.org/10.1136/jnnp-2014-310181

Mezouar, N., Demeret, S., Rotge, J. Y., Dupont, S., & Navarro, V. (2021). Psychogenic non-epileptic seizure-status in patients admitted to the intensive care unit. *European Journal of Neurology*, *28*(8), 2775–2779. https://doi.org/10.1111/ENE.14941

Michaelis, R., Meyer, S., Reuber, M., & Schöne, C. (2019). Development of a patient-reported outcome measure for psychotherapeutic interventions in people with seizures: A mixed methods study. *Epilepsy Behav*, *99*, 106464. https://doi.org/10.1016/j.yebeh.2019.106464

Michaelis, R., Niedermann, C., & Berger, B. (2017). How Can We Enhance the Sense of Self-Efficacy in Epilepsy Individual Responses from 2 Qualitative Case Reports. *Complement Med Res*, *24*(4), 215–224. https://doi.org/10.1159/000468986

Michaelis, R., Niedermann, C., Reuber, M., Kuthe, M., & Berger, B. (2018). “Seizures have become a means of somehow learning things about myself” - A qualitative study of the development of self-efficacy and mastery during a psychotherapeutic intervention for people with epilepsy. *Epilepsy & Behavior : E&B*, *84*, 152–161. https://doi.org/10.1016/J.YEBEH.2018.04.019

Michaelis, R., Tang, V., Wagner, J. L., Modi, A. C., LaFrance Jr., W. C., Goldstein, L. H., Lundgren, T., & Reuber, M. (2017). Psychological treatments for people with epilepsy. *Cochrane Database Syst Rev*, *10*(10), Cd012081. https://doi.org/10.1002/14651858.CD012081.pub2

Milano, B. A., Moutoussis, M., & Convertino, L. (2023). The neurobiology of functional neurological disorders characterised by impaired awareness. *Frontiers in Psychiatry*, *14*. https://doi.org/10.3389/FPSYT.2023.1122865

Moe, J., Kirkland, S. W., Rawe, E., Ospina, M. B., Vandermeer, B., Campbell, S., & Rowe, B. H. (2017). Effectiveness of Interventions to Decrease Emergency Department Visits by Adult Frequent Users: A Systematic Review. *Academic Emergency Medicine : Official Journal of the Society for Academic Emergency Medicine*, *24*(1), 40–52. https://doi.org/10.1111/ACEM.13060

Moeller, J. J., Kurniawan, J., Gubitz, G. J., Ross, J. A., & Bhan, V. (2008). Diagnostic accuracy of neurological problems in the emergency department. *The Canadian Journal of Neurological Sciences. Le Journal Canadien Des Sciences Neurologiques*, *35*(3), 335–341. https://doi.org/10.1017/S0317167100008921

Moene, F. C., Spinhoven, P., Hoogduin, K. A. L., & Van Dyck, R. (2002). A randomised controlled clinical trial on the additional effect of hypnosis in a comprehensive treatment programme for in-patients with conversion disorder of the motor type. *Psychotherapy and Psychosomatics*, *71*(2), 66–76. https://doi.org/10.1159/000049348

Mohr, D. C., Classen, C., & Barrera, M. (2004). The relationship between social support, depression and treatment for depression in people with multiple sclerosis. *Psychological Medicine*, *34*(3), 533–541. https://doi.org/10.1017/S0033291703001235

Mokkink, L. B., Terwee, C. B., Patrick, D. L., Alonso, J., Stratford, P. W., Knol, D. L., Bouter, L. M., & de Vet, H. C. W. (2010). The COSMIN study reached international consensus on taxonomy, terminology, and definitions of measurement properties for health-related patient-reported outcomes. *Journal of Clinical Epidemiology*, *63*(7), 737–745. https://doi.org/10.1016/j.jclinepi.2010.02.006

Molero-Mateo, P., & Molina-Rueda, F. (2023). Physiotherapy for patients with functional movement disorder: a systematic review. *Neurologia*. https://doi.org/10.1016/j.nrleng.2022.01.008

Mondal, A., Das, S., Sankar Mandal, U., & Nath, S. (2020). Relationship between Perceived Social Support and Severity of Symptoms in Persons with Somatoform Disorder. *Jemds.Com Original Research Article J. Evolution Med. Dent. Sci*, *9*, 2020. https://doi.org/10.14260/jemds/2020/73

Morley, C., Unwin, M., Peterson, G. M., Stankovich, J., & Kinsman, L. (2018). Emergency department crowding: A systematic review of causes, consequences and solutions. *PLoS ONE*, *13*(8). https://doi.org/10.1371/JOURNAL.PONE.0203316

Morris, R. L., Soh, S. E., Hill, K. D., Buchbinder, R., Lowthian, J. A., Redfern, J., Etherton-Beer, C. D., Hill, A. M., Osborne, R. H., Arendts, G., & Barker, A. L. (2017). Measurement properties of the Health Literacy Questionnaire (HLQ) among older adults who present to the emergency department after a fall: A Rasch analysis. *BMC Health Services Research*, *17*(1), 1–11. https://doi.org/10.1186/S12913-017-2520-9/FIGURES/2

Moss-Morris, R., Weinman, J., Petrie, K., Horne, R., Cameron, L., & Buick, D. (2010). The Revised Illness Perception Questionnaire (IPQ-R). *Https://Doi.Org/10.1080/08870440290001494*, *17*(1), 1–16. https://doi.org/10.1080/08870440290001494

Motl, R. W., & Snook, E. M. (2008). Physical Activity, Self-Efficacy, and Quality of Life in Multiple Sclerosis. *Annals of Behavioral Medicine*, *35*(1), 111–115. https://doi.org/10.1007/S12160-007-9006-7

Mousavi, A., & Cui, Y. (2020). The Effect of Person Misfit on Item Parameter Estimation and Classification Accuracy: A Simulation Study. *Education Sciences 2020, Vol. 10, Page 324*, *10*(11), 324. https://doi.org/10.3390/EDUCSCI10110324

Mukuria, C., Brazier, J., Barkham, M., Connell, J., Hardy, G., Hutten, R., Saxon, D., Dent-Brown, K., & Parry, G. (2013). Cost-effectiveness of an improving access to psychological therapies service. *Br J Psychiatry*, *202*(3), 220–227. https://doi.org/10.1192/bjp.bp.111.107888

Mundt, J. C., Marks, I. M., Shear, M. K., & Greist, J. H. (2002). The Work and Social Adjustment Scale: a simple measure of impairment in functioning. *Br J Psychiatry*, *180*, 461–464. https://doi.org/10.1192/bjp.180.5.461

Murphy, F. C., Sahakian, B. J., Rubinsztein, J. S., Michael, A., Rogers, R. D., Robbins, T. W., & Paykel, E. S. (1999). Emotional bias and inhibitory control processes in  mania and depression. *Psychological Medicine*, *29*(6), 1307–1321. https://doi.org/10.1017/s0033291799001233

Murphy, S. T., Monahan, J. L., & Zajonc, R. B. (1995). Additivity of nonconscious affect: combined effects of priming and exposure. *Journal of Personality and Social Psychology*, *69*(4), 589–602. https://doi.org/10.1037//0022-3514.69.4.589

Murphy, S. T., & Zajonc, R. B. (1993). Affect, Cognition, and Awareness: Affective Priming With Optimal and Suboptimal Stimulus Exposures. *Journal of Personality and Social Psychology*, *64*(5), 723–739. https://doi.org/10.1037/0022-3514.64.5.723

Myers, L., Gray, C., Roberts, N., Levita, L., & Reuber, M. (2022). Shame in the treatment of patients with psychogenic nonepileptic seizures: The elephant in the room. *Seizure*, *94*, 176–182. https://doi.org/10.1016/J.SEIZURE.2021.10.018

Myers, L., Sarudiansky, M., Korman, G., & Baslet, G. (2021). Using evidence-based psychotherapy to tailor treatment for patients with functional neurological disorders. *Epilepsy & Behavior Reports*, *16*, 100478. https://doi.org/10.1016/J.EBR.2021.100478

Nahab, F. B., Kundu, P., Maurer, C., Shen, Q., & Hallett, M. (2017). Impaired sense of agency in functional movement disorders: An fMRI study. *PLoS ONE*, *12*(4). https://doi.org/10.1371/JOURNAL.PONE.0172502

Naing, N. N. (2000). Easy Way to Learn Standardization : Direct and Indirect Methods. *The Malaysian Journal of Medical Sciences : MJMS*, *7*(1), 10. /pmc/articles/PMC3406211/

Newton, A., Sarker, S. J., Parfitt, A., Henderson, K., Jaye, P., & Drake, N. (2011). Individual care plans can reduce hospital admission rate for patients who frequently attend the emergency department. *Emergency Medicine Journal : EMJ*, *28*(8), 654–657. https://doi.org/10.1136/EMJ.2009.085704

*NHS England » High Intensity Use programme*. (n.d.). Retrieved June 7, 2023, from https://www.england.nhs.uk/high-intensity-use-programme/

*NHS England » Next steps in increasing capacity and operational resilience in urgent and emergency care ahead of winter*. (n.d.). Retrieved June 7, 2023, from https://www.england.nhs.uk/long-read/next-steps-in-increasing-capacity-and-operational-resilience-in-urgent-and-emergency-care-ahead-of-winter/

*NHS England » Technical guidance for refreshing NHS Plans 2018/19 annex A: Commissioning for Quality and Innovation (CQUIN) indicator specification 2017-2019*. (n.d.). Retrieved June 7, 2023, from https://www.england.nhs.uk/publication/cquin-indicator-specification/

Nicholson, T. R., Carson, A., Edwards, M. J., Goldstein, L. H., Hallett, M., Mildon, B., Nielsen, G., Nicholson, C., Perez, D. L., Pick, S., & Stone, J. (2020). Outcome Measures for Functional Neurological Disorder: A Review of the Theoretical Complexities. *J Neuropsychiatry Clin Neurosci*, *32*(1), 33–42. https://doi.org/10.1176/appi.neuropsych.19060128

Nielsen, G., Ricciardi, L., Demartini, B., Hunter, R., Joyce, E., & Edwards, M. J. (2015). Outcomes of a 5-day physiotherapy programme for functional (psychogenic) motor disorders. *Journal of Neurology*, *262*(3), 674–681. https://doi.org/10.1007/s00415-014-7631-1

Nielsen, G., Ricciardi, L., Meppelink, A. M., Holt, K., Teodoro, T., & Edwards, M. (2017). A Simplified Version of the Psychogenic Movement Disorders Rating Scale: The Simplified Functional Movement Disorders Rating Scale (S-FMDRS). *Movement Disorders Clinical Practice*, *4*(5), 710–716. https://doi.org/10.1002/mdc3.12475

Nielsen, G., Stone, J., & Edwards, M. J. (2013). Physiotherapy for functional (psychogenic) motor symptoms: a systematic review. *J Psychosom Res*, *75*(2), 93–102. https://doi.org/10.1016/j.jpsychores.2013.05.006

Nielsen, G., Stone, J., Matthews, A., Brown, M., Sparkes, C., Farmer, R., Masterton, L., Duncan, L., Winters, A., Daniell, L., Lumsden, C., Carson, A., David, A. S., & Edwards, M. (2015). Physiotherapy for functional motor disorders: a consensus recommendation. *Journal of Neurology, Neurosurgery, and Psychiatry*, *86*(10), 1113–1119. https://doi.org/10.1136/JNNP-2014-309255

Nigg, J. T. (2017). Annual Research Review: On the relations among self-regulation, self-control, executive functioning, effortful control, cognitive control, impulsivity, risk-taking, and inhibition for developmental psychopathology. *Journal of Child Psychology and Psychiatry, and Allied Disciplines*, *58*(4), 361. https://doi.org/10.1111/JCPP.12675

Nightscales, R., McCartney, L., Auvrez, C., Tao, G., Barnard, S., Malpas, C. B., Perucca, P., McIntosh, A., Chen, Z., Sivathamboo, S., Ignatiadis, S., Jones, S., Adams, S., Cook, M. J., Kwan, P., Velakoulis, D., D’Souza, W., Berkovic, S. F., & O’Brien, T. J. (2020). Mortality in patients with psychogenic nonepileptic seizures. *Neurology*, *95*(6), E643–E652. https://doi.org/10.1212/WNL.0000000000009855

Norton, J., David, M., De Roquefeuil, G., Boulenger, J. P., Car, J., Ritchie, K., & Mann, A. (2012). Frequent attendance in family practice and common mental disorders in an open access health care system. *Journal of Psychosomatic Research*, *72*(6), 413–418. https://doi.org/10.1016/J.JPSYCHORES.2012.02.010

Novakova, B., Harris, P. R., & Reuber, M. (2017). Diurnal patterns and relationships between physiological and self-reported stress in patients with epilepsy and psychogenic non-epileptic seizures. *Epilepsy Behav*, *70*(Pt A), 204–211. https://doi.org/10.1016/j.yebeh.2017.03.006

Novakova, B., Howlett, S., Baker, R., & Reuber, M. (2015). Emotion processing and psychogenic non-epileptic seizures: A cross-sectional comparison of patients and healthy controls. *Seizure*, *29*, 4–10. https://doi.org/10.1016/j.seizure.2015.03.007

O’Connell, N., Watson, G., Grey, C., Pastena, R., McKeown, K., & David, A. S. (2019). Outpatient CBT for Motor Functional Neurological Disorder and Other Neuropsychiatric Conditions: A Retrospective Case Comparison. *The Journal of Neuropsychiatry and Clinical Neurosciences*, *32*(1), 58–66. https://doi.org/10.1176/appi.neuropsych.19030067

O’connell, N., Watson, G., Grey, C., Pastena, R., McKeown, K., & David, A. S. (2020). Outpatient cbt for motor functional neurological disorder and other neuropsychiatric conditions: A retrospective case comparison. *Journal of Neuropsychiatry and Clinical Neurosciences*, *32*(1), 58–66. https://doi.org/10.1176/APPI.NEUROPSYCH.19030067/ASSET/IMAGES/LARGE/APPI.NEUROPSYCH.19030067F1.JPEG

Ogden, P., Fisher, J., Del Hierro, D., & Del Hierro, A. (n.d.). *Sensorimotor psychotherapy : interventions for trauma and attachment*. 824.

*Optimum clinical pathway for adults: Functional Neurological Disorder National Neurosciences Advisory Group (NNAG)*. (2023). www.nnag.org.uk/optimum-clinical-pathways

Ospina, J. P., Jalilianhasanpour, R., & Perez, D. L. (2019). The role of the anterior and midcingulate cortex in the neurobiology of functional neurologic disorder. *Handb Clin Neurol*, *166*, 267–279. https://doi.org/10.1016/b978-0-444-64196-0.00014-5

Ospina, J. P., Larson, A. G., Jalilianhasanpour, R., Williams, B., Diez, I., Dhand, A., Dickerson, B. C., & Perez, D. L. (2019). Individual differences in social network size linked to nucleus accumbens and hippocampal volumes in functional neurological disorder: A pilot study. *Journal of Affective Disorders*, *258*, 50–54. https://doi.org/10.1016/j.jad.2019.07.061

Ozbay, F., Johnson, D. C., Dimoulas, E., C.A. Morgan, I., Charney, D., & Southwick, S. (2007). Social Support and Resilience to Stress: From Neurobiology to Clinical Practice. *Psychiatry (Edgmont)*, *4*(5), 35. /pmc/articles/PMC2921311/

Page, L. A., & Wessely, S. (2003). Medically unexplained symptoms: exacerbating factors in the doctor-patient encounter. *J R Soc Med*, *96*(5), 223–227. https://doi.org/10.1258/jrsm.96.5.223

Pareés, I., Saifee, T. A., Kassavetis, P., Kojovic, M., Rubio-Agusti, I., Rothwell, J. C., Bhatia, K. P., & Edwards, M. J. (2012). Believing is perceiving: mismatch between self-report and actigraphy in psychogenic tremor. *Brain*, *135*(Pt 1), 117–123. https://doi.org/10.1093/brain/awr292

Patron, V. G., Rustomji, Y., Yip, C., & Jenkins, L. M. (2022). Psychiatric Comorbidities in Functional Neurologic Symptom Disorder. *Practical Neurology (Fort Washington, Pa.)*, *21*(3), 71. /pmc/articles/PMC9836030/

Paulhus, D. L., & Vazire, S. (2007). The Self-Report Method. In *Handbook of research methods in personality psychology* . The Guilford Press.

Pennisi, P., Salehinejad, M. A., Corso, A. M., Merlo, E. M., Avenanti, A., & Vicario, C. M. (2023). Delay discounting in Parkinson’s disease: A systematic review and meta-analysis. *Behavioural Brain Research*, *436*, 114101. https://doi.org/10.1016/J.BBR.2022.114101

Perez, D. L. (2020). The CODES trial for dissociative seizures: a landmark study and inflection point. *The Lancet Psychiatry*, *7*(6), 464–465. https://doi.org/10.1016/s2215-0366(20)30143-7

Perez, D. L., Edwards, M. J., Nielsen, G., Kozlowska, K., Hallett, M., & Curt Lafrance, W. (2021). Decade of progress in motor functional neurological disorder: continuing the momentum. *Journal of Neurology, Neurosurgery & Psychiatry*, *92*(6), 668–677. https://doi.org/10.1136/JNNP-2020-323953

Perez, D. L., & LaFrance Jr., W. C. (2016). Nonepileptic seizures: an updated review. *CNS Spectrums*, *21*(3), 239–246. https://doi.org/10.1017/S109285291600002X

Perez, D. L., Matin, N., Barsky, A., Costumero-Ramos, V., Makaretz, S. J., Young, S. S., Sepulcre, J., LaFrance Jr., W. C., Keshavan, M. S., & Dickerson, B. C. (2017). Cingulo-insular structural alterations associated with psychogenic symptoms, childhood abuse and PTSD in functional neurological disorders. *J Neurol Neurosurg Psychiatry*, *88*(6), 491–497. https://doi.org/10.1136/jnnp-2016-314998

Perez, D. L., Matin, N., Williams, B., Tanev, K., Makris, N., LaFrance Jr., W. C., & Dickerson, B. C. (2018). Cortical thickness alterations linked to somatoform and psychological dissociation in functional neurological disorders. *Human Brain Mapping*, *39*(1), 428–439. https://doi.org/10.1002/hbm.23853

Perez, D. L., Williams, B., Matin, N., Curt Lafrance, W., Costumero-Ramos, V., Fricchione, G. L., Sepulcre, J., Keshavan, M. S., & Dickerson, B. C. (2017). Corticolimbic structural alterations linked to health status and trait anxiety in functional neurological disorder. *Journal of Neurology, Neurosurgery, and Psychiatry*, *88*(12), 1052–1059. https://doi.org/10.1136/JNNP-2017-316359

Petrochilos, P., Elmalem, M. S., Patel, D., Louissaint, H., Hayward, K., Ranu, J., & Selai, C. (2020). Outcomes of a 5-week individualised MDT outpatient (day-patient) treatment programme for functional neurological symptom disorder (FNSD). *Journal of Neurology*, *267*(9), 2655–2666. https://doi.org/10.1007/S00415-020-09874-5/FIGURES/2

Phillips, W. J., Hine, D. W., & Thorsteinsson, E. B. (2010). Implicit cognition and depression: A meta-analysis. *Clinical Psychology Review*, *30*(6), 691–709. https://doi.org/10.1016/J.CPR.2010.05.002

Pick, S., Anderson, D., Asadi-Pooya, A., Aybek, S., Baslet, G., Bloem, B., Bradley-Westguard, Brown, R., Brown, R. A.-O., Carson, A. A.-O., Chalder, T. A.-O., Damianova, M., David, A. A.-O. X., Edwards, M. A.-O., Epstein, S. A., Espay, A. A.-O. X., Garcin, B. A.-O., Goldstein, L. A.-O., Hallett, M. A.-O., … Psychiatry, J. N. N. (2020). *Outcome measurement in functional neurological disorder: a systematic review and recommendations. LID - jnnp-2019-322180 [pii] LID - 10.1136/jnnp-2019-322180 [doi]*. *1468-330X (Electronic)*.

Pick, S., Goldstein, L. H., Perez, D. L., & Nicholson, T. R. (2019). Emotional processing in functional neurological disorder: a review, biopsychosocial model and research agenda. *Journal of Neurology, Neurosurgery &amp;Amp; Psychiatry*, *90*(6), 704. https://doi.org/10.1136/jnnp-2018-319201

Pick, S., Mellers, J. D. C., & Goldstein, L. H. (2018a). Autonomic and subjective responsivity to emotional images in people with dissociative seizures. *J Neuropsychol*, *12*(2), 341–355. https://doi.org/10.1111/jnp.12144

Pick, S., Mellers, J. D. C., & Goldstein, L. H. (2018b). Implicit attentional bias for facial emotion in dissociative seizures: Additional evidence. *Epilepsy Behav*, *80*, 296–302. https://doi.org/10.1016/j.yebeh.2018.01.004

Pick, S., Mellers, J. D., & Goldstein, L. H. (2016). Emotion and dissociative seizures: A phenomenological analysis of patients’ perspectives. *Epilepsy Behav*, *56*, 5–14. https://doi.org/10.1016/j.yebeh.2015.12.010

Pick, S., Rojas-Aguiluz, M., Butler, M., Mulrenan, H., Nicholson, T. R., & Goldstein, L. H. (2020). Dissociation and interoception in functional neurological disorder. *Cognitive Neuropsychiatry*, 294–311. https://doi.org/10.1080/13546805.2020.1791061/SUPPL\_FILE/PCNP\_A\_1791061\_SM9898.DOCX

Pollatos, O., Herbert, B. M., Wankner, S., Dietel, A., Wachsmuth, C., Henningsen, P., & Sack, M. (2011). Autonomic imbalance is associated with reduced facial recognition in somatoform disorders. *J Psychosom Res*, *71*(4), 232–239. https://doi.org/10.1016/j.jpsychores.2011.03.012

Ponnusamy, A., Marques, J. L. B., & Reuber, M. (2011). Heart rate variability measures as biomarkers in patients with psychogenic nonepileptic seizures: Potential and limitations. *Epilepsy & Behavior*, *22*(4), 685–691. https://doi.org/10.1016/j.yebeh.2011.08.020

Ponnusamy, A., Marques, J. L. B., & Reuber, M. (2012). Comparison of heart rate variability parameters during complex partial seizures and psychogenic nonepileptic seizures. *Epilepsia*, *53*(8), 1314–1321. https://doi.org/10.1111/j.1528-1167.2012.03518.x

Popkirov, S., Asadi-Pooya, A. A., Duncan, R., Gigineishvili, D., Hingray, C., Miguel Kanner, A., LaFrance, W. C., Pretorius, C., & Reuber, M. (2019). The aetiology of psychogenic non-epileptic seizures: risk factors and comorbidities. *Epileptic Disorders*, *21*(6), 529–547. https://doi.org/10.1684/EPD.2019.1107

Popkirov, S., Stone, J., & Buchan, A. M. (2020). Functional Neurological Disorder: A Common and Treatable Stroke Mimic. *Stroke*, *51*(5), 1629–1635. https://doi.org/10.1161/STROKEAHA.120.029076

Pouretemad, H. R., Thompson, P. J., & Fenwick, P. B. (1998). Impaired sensorimotor gating in patients with non-epileptic seizures. *Epilepsy Res*, *31*(1), 1–12. https://doi.org/10.1016/s0920-1211(98)00014-x

Pretorius, C. (2016). Barriers and facilitators to reaching a diagnosis of PNES from the patients’ perspective: Preliminary findings. *Seizure*, *38*, 1–6. https://doi.org/10.1016/J.SEIZURE.2016.03.007

Pretorius, C., & Sparrow, M. (2015). Life after being diagnosed with psychogenic non-epileptic seizures (PNES): A South African perspective. *Seizure*, *30*, 32–41. https://doi.org/10.1016/J.SEIZURE.2015.05.008

Priebe, S., Omer, S., Giacco, D., & Slade, M. (2014). Resource-oriented therapeutic models in psychiatry: conceptual review. *The British Journal of Psychiatry*, *204*(4), 256–261. https://doi.org/10.1192/BJP.BP.113.135038

Prüfer, F., Joos, S., & Miksch, A. (2013). What Do Resource-Oriented Approaches Mean to General Practitioners and How Can They Be Facilitated in Primary Care? A Qualitative Study. *Evidence-Based Complementary and Alternative Medicine : ECAM*, *2013*. https://doi.org/10.1155/2013/187641

Pun, P., Frater, J., Broughton, M., Dob, R., & Lehn, A. (2020). Psychological Profiles and Clinical Clusters of Patients Diagnosed With Functional Neurological Disorder. *Frontiers in Neurology*, *11*, 1222. https://doi.org/10.3389/FNEUR.2020.580267/BIBTEX

Ramsay, C. R., Matowe, L., Grilli, R., Grimshaw, J. M., & Thomas, R. E. (2003). Interrupted time series designs in health technology assessment: lessons from two systematic reviews of behaviour change strategies. *Int J Technol Assess Health Care*, *19*(4), 613–623. https://doi.org/10.1017/s0266462303000576

Rasch, G. (1960). *Probabilistic model for some intelligence and achievement tests*. Danish Institute for Educational Research.

Rasch, G. (Georg). (1993). *Probabilistic Models for Some Intelligence and Attainment Tests.* 199.

Rawlings, G. H., Brown, I., Stone, B., & Reuber, M. (2017). Written accounts of living with psychogenic nonepileptic seizures: A thematic analysis. *Seizure: European Journal of Epilepsy*, *50*, 83–91. https://doi.org/10.1016/j.seizure.2017.06.006

Reddy, L. F., Lee, J., Davis, M. C., Altshuler, L., Glahn, D. C., Miklowitz, D. J., & Green, M. F. (2013). Impulsivity and Risk Taking in Bipolar Disorder and Schizophrenia. *Neuropsychopharmacology 2014 39:2*, *39*(2), 456–463. https://doi.org/10.1038/npp.2013.218

Reid, S., Wessely, S., Crayford, T., & Hotopf, M. (2002a). Frequent attenders with medically unexplained symptoms: service use and costs in secondary care. *Br J Psychiatry*, *180*, 248–253. https://doi.org/10.1192/bjp.180.3.248

Reid, S., Wessely, S., Crayford, T., & Hotopf, M. (2002b). Frequent attenders with medically unexplained symptoms: service use and costs in secondary care. *The British Journal of Psychiatry*, *180*(3), 248–253. https://doi.org/10.1192/BJP.180.3.248

Reuber, M. (2009). The Etiology of Psychogenic Non-Epileptic Seizures: Toward a Biopsychosocial Model. *Neurologic Clinics*, *27*(4), 909–924. https://doi.org/10.1016/j.ncl.2009.06.004

Reuber, M., Baker, G. A., Gill, R., Smith, D. F., & Chadwick, D. W. (2004). Failure to recognize psychogenic nonepileptic seizures may cause death. *Neurology*, *62*(5), 834–835. https://doi.org/10.1212/01.wnl.0000113755.11398.90

Reuber, M., & Brown, R. J. (2017). Understanding psychogenic nonepileptic seizures—Phenomenology, semiology and the Integrative Cognitive Model. *Seizure*, *44*, 199–205. https://doi.org/10.1016/J.SEIZURE.2016.10.029

Reuber, M., Burness, C., Howlett, S., Brazier, J., & Grünewald, R. (2007). Tailored psychotherapy for patients with functional neurological symptoms: a pilot study. *J Psychosom Res*, *63*(6), 625–632. https://doi.org/10.1016/j.jpsychores.2007.06.013

Reuber, M., Howlett, S., Khan, A., & Grünewald, R. (2007). Non-Epileptic Seizures and Other Functional Neurological Symptoms: Predisposing, Precipitating, and Perpetuating Factors. *Psychosomatics*, *48*, 230–238. https://doi.org/10.1176/appi.psy.48.3.230

Reuber, M., & Mayor, R. (2012). Recent progress in the understanding and treatment of nonepileptic seizures. *Curr Opin Psychiatry*, *25*(3), 244–250. https://doi.org/10.1097/YCO.0b013e3283523db6

Reuber, M., Pukrop, R., Bauer, J., Helmstaedter, C., Tessendorf, N., & Elger, C. E. (2003). Outcome in psychogenic nonepileptic seizures: 1 to 10-year follow-up in 164 patients. *Annals of Neurology*, *53*(3), 305–311. https://doi.org/10.1002/ana.3000

Reuber, M., Pukrop, R., Mitchell, A. J., Bauer, J., & Elger, C. E. (2003). Clinical significance of recurrent psychogenic nonepileptic seizure status. *Journal of Neurology*, *250*(11), 1355–1362. https://doi.org/10.1007/S00415-003-0224-Z

Reuber, M., Roberts, N. A., Levita, L., Gray, C., & Myers, L. (2022). Shame in patients with psychogenic nonepileptic seizure: A narrative review. *Seizure: European Journal of Epilepsy*, *94*, 165–175. https://doi.org/10.1016/j.seizure.2021.10.017

Ricciardi, L., Demartini, B., Crucianelli, L., Krahé, C., Edwards, M. J., & Fotopoulou, A. (2016). Interoceptive awareness in patients with functional neurological symptoms. *Biol Psychol*, *113*, 68–74. https://doi.org/10.1016/j.biopsycho.2015.10.009

Ricciardi, L., Demartini, B., Fotopoulou, A., & Edwards, M. J. (2015). Alexithymia in neurological disease: A review. *Journal of Neuropsychiatry and Clinical Neurosciences*, *27*(3), 179–187. https://doi.org/10.1176/APPI.NEUROPSYCH.14070169/SUPPL\_FILE/APPI.NEUROPSYCH.14070169.DS001.PDF

Ricciardi, L., & Edwards, M. J. (2014). Treatment of functional (psychogenic) movement disorders. *Neurotherapeutics : The Journal of the American Society for Experimental NeuroTherapeutics*, *11*(1), 201–207. https://doi.org/10.1007/S13311-013-0246-X

Richardson, M., Isbister, G., & Nicholson, B. (2018). A Novel Treatment Protocol (Nocebo Hypothesis Cognitive Behavioural Therapy; NH-CBT) for Functional Neurological Symptom Disorder/Conversion Disorder: A Retrospective Consecutive Case Series. *Behavioural and Cognitive Psychotherapy*, *46*(4), 497–503. https://doi.org/10.1017/S1352465817000832

Rief, W., & Broadbent, E. (2007). Explaining medically unexplained symptoms-models and mechanisms. *Clin Psychol Rev*, *27*(7), 821–841. https://doi.org/10.1016/j.cpr.2007.07.005

Rief, W., & Martin, A. (2014). How to use the new DSM-5 somatic symptom disorder diagnosis in research and practice: a critical evaluation and a proposal for modifications. *Annu Rev Clin Psychol*, *10*, 339–367. https://doi.org/10.1146/annurev-clinpsy-032813-153745

Roberts, N. A., Burleson, M. H., Weber, D. J., Larson, A., Sergeant, K., Devine, M. J., Vincelette, T. M., & Wang, N. C. (2012). Emotion in psychogenic nonepileptic seizures: responses to affective pictures. *Epilepsy Behav*, *24*(1), 107–115. https://doi.org/10.1016/j.yebeh.2012.03.018

Roberts Ph.D., Mary H. Burleson Ph.D., Dhannia L. Torres Ph.D., David K. Parkhurst M.S., Robin Garrett Psy.D., Lauren B. Mitchell B.A., Cayla J. Duncan M.S., Mallory Mintert M.S., & Norman C. Wang M.D. (2020). Emotional Reactivity as a Vulnerability for Psychogenic Nonepileptic Seizures? Responses While Reliving Specific Emotions. *The Journal of Neuropsychiatry and Clinical Neurosciences*, *32*(1), 95–100. https://doi.org/10.1176/appi.neuropsych.19040084

Robinson, R. (1993). Cost-effectiveness analysis. *British Medical Journal*, *307*(6907), 793–795. https://doi.org/10.1136/BMJ.307.6907.793

Robson, C., Myers, L., Pretorius, C., Lian, O. S., & Reuber, M. (2018). Health related quality of life of people with non-epileptic seizures: The role of socio-demographic characteristics and stigma. *Seizure*, *55*, 93–99. https://doi.org/10.1016/J.SEIZURE.2018.01.001

Roelofs, J. J., Teodoro, T., & Edwards, M. J. (2019). Neuroimaging in Functional Movement Disorders. *Current Neurology and Neuroscience Reports*, *19*(3), 12. https://doi.org/10.1007/s11910-019-0926-y

Roelofs, K., & Pasman, J. (2016). Stress, childhood trauma, and cognitive functions in functional neurologic disorders. *Handb Clin Neurol*, *139*, 139–155. https://doi.org/10.1016/b978-0-12-801772-2.00013-8

Rommelfanger, K. S., Factor, S. A., LaRoche, S., Rosen, P., Young, R., & Rapaport, M. H. (2017). Disentangling stigma from functional neurological disorders: Conference report and roadmap for the future. *Frontiers in Neurology*, *8*(MAR), 106. https://doi.org/10.3389/FNEUR.2017.00106/BIBTEX

Rothschild, Babette. (2000). *The body remembers*.

Royal College of Emergency Medicine. (2017). *Frequent Attenders in the Emergency Department.* https://rcem.ac.uk/wp-content/uploads/2021/10/Frequent\_Attenders\_in\_the\_ED\_Aug2017.pdf

RStudio Team. (2019). *RStudio: Integrated Development for R* (3.6). RStudio, Inc. http://www.rstudio.com/

Rubin, D. B. (2009). *Multiple Imputation for Nonresponse in Surveys*. Wiley.

Rueda, A. D., Lau, K. M., Saito, N., Harvey, D., Risacher, S. L., Aisen, P. S., Petersen, R. C., Saykin, A. J., & Farias, S. T. (2015). Self-rated and informant-rated everyday function in comparison to objective markers of Alzheimer’s disease. *Alzheimers Dement*, *11*(9), 1080–1089. https://doi.org/10.1016/j.jalz.2014.09.002

Russell, L., Butler, L., Lovegrove, C., Owens, C., Roberts, L., Yates, P., Carrick, R., Amoako, A., & Price, C. (2022). Developing a multidisciplinary pathway for functional neurological disorders in a UK National Health Service: The Exeter model. *Advances in Clinical Neuroscience & Rehabilitation*. https://doi.org/10.47795/KAZJ3546

Saini, P., McIntyre, J., Corcoran, R., Daras, K., Giebel, C., Fuller, E., Shelton, J., Wilson, T., Comerford, T., Nathan, R., & Gabbay, M. (2020). Predictors of emergency department and GP use among patients with mental health conditions: a public health survey. *The British Journal of General Practice*, *70*(690), e1. https://doi.org/10.3399/BJGP19X707093

Salters-Pedneault, K., Roemer, L., Tull, M. T., Rucker, L., & Mennin, D. S. (2006). Evidence of Broad Deficits in Emotion Regulation Associated with Chronic Worry and Generalized Anxiety Disorder. *Cognitive Therapy and Research*, *30*(4), 469–480. https://doi.org/10.1007/s10608-006-9055-4

Şar, V., Akyüz, G., Kundakçı, T., Kızıltan, E., & Doğan, O. (2004). Childhood Trauma, Dissociation, and Psychiatric Comorbidity in Patients With Conversion Disorder. *American Journal of Psychiatry*, *161*(12), 2271–2276. https://doi.org/10.1176/ajp.161.12.2271

Sarah Purdy, A. (2010). *Avoiding hospital admissions: What does the research evidence say? The King’s Fund, December 2010*. 1–28. https://www.kingsfund.org.uk/publications/avoiding-hospital-admissions

Sarfraz, N., & Ijaz, T. (2014). Development of conversion disorder scale for children. *Journal of Behavioural Sciences*, *24*, 12.

Scantlebury, R., Durbaba, S., Sidhu, K., Ashworth, M., Rowlands, G., & Schofield, P. (2015). Socioeconomic deprivation and accident and emergency attendances: cross-sectional analysis of general practices in England. *The British Journal of General Practice*, *65*(639), e649. https://doi.org/10.3399/BJGP15X686893

Schaefer, M., Egloff, B., Gerlach, A. L., & Witthöft, M. (2014). Improving heartbeat perception in patients with medically unexplained symptoms reduces symptom distress. *Biological Psychology*, *101*, 69–76. https://doi.org/https://doi.org/10.1016/j.biopsycho.2014.05.012

Schaffer, A. L., Dobbins, T. A., & Pearson, S. A. (2021). Interrupted time series analysis using autoregressive integrated moving average (ARIMA) models: a guide for evaluating large-scale health interventions. *BMC Medical Research Methodology*, *21*(1), 1–12. https://doi.org/10.1186/S12874-021-01235-8/FIGURES/5

Schreiber, L. R. N., Grant, J. E., & Odlaug, B. L. (2012). Emotion regulation and impulsivity in young adults. *Journal of Psychiatric Research*, *46*(5), 651–658. https://doi.org/10.1016/j.jpsychires.2012.02.005

Schulz, A., & Vögele, C. (2015). Interoception and stress. *Frontiers in Psychology*, *6*, 993. https://doi.org/10.3389/FPSYG.2015.00993

Schwarzer, R., & Fuchs, R. (1996). *Self-efficacy and health behaviours.* https://doi.org/10.4324/9781315800820-10

Schwarzer, R., & Luszczynska, A. (2003). *Self-Efficacy and Health Behavior Theories*.

Seligowski, A. V., Lee, D. J., Bardeen, J. R., & Orcutt, H. K. (2014). Emotion Regulation and Posttraumatic Stress Symptoms: A Meta-Analysis. *Http://Dx.Doi.Org/10.1080/16506073.2014.980753*, *44*(2), 87–102. https://doi.org/10.1080/16506073.2014.980753

Seneviratne, U., Low, Z. M., Low, Z. X., Hehir, A., Paramaswaran, S., Foong, M., Ma, H., & Phan, T. G. (2019). Medical health care utilization cost of patients presenting with psychogenic nonepileptic seizures. *Epilepsia*, *60*(2), 349–357. https://doi.org/10.1111/EPI.14625

Shahwan, S., Goh, C. M. J., Tan, G. T. H., Ong, W. J., Chong, S. A., & Subramaniam, M. (2022). Strategies to Reduce Mental Illness Stigma: Perspectives of People with Lived Experience and Caregivers. *International Journal of Environmental Research and Public Health*, *19*(3). https://doi.org/10.3390/IJERPH19031632

Sharpe, M., Walker, J., Williams, C., Stone, J., Cavanagh, J., Murray, G., Butcher, I., Duncan, R., Smith, S., & Carson, A. (2011). Guided self-help for functional (psychogenic) symptoms: A randomized controlled efficacy trial. *Neurology*, *77*(6), 564. https://doi.org/10.1212/WNL.0B013E318228C0C7

Shih, M. (2004). Positive Stigma: Examining Resilience and Empowerment in Overcoming Stigma. *Http://Dx.Doi.Org/10.1177/0002716203260099*, *591*, 175–185. https://doi.org/10.1177/0002716203260099

Shulman, L. M., Pretzer-Aboff, I., Anderson, K. E., Stevenson, R., Vaughan, C. G., Gruber-Baldini, A. L., Reich, S. G., & Weiner, W. J. (2006). Subjective report versus objective measurement of activities of daily living in Parkinson’s disease. *Movement Disorders*, *21*(6), 794–799. https://doi.org/10.1002/mds.20803

Smit, J. H. (1998). Confirmatory factor analysis of the General Self-Efficacy Scale. *Article in Behaviour Research and Therapy*. https://doi.org/10.1016/S0005-7967(98)00025-4

Smith, R. M., Schumacker, R., & Bush, M. (1998). Using item mean squares to evaluate fit to the Rasch model. *Journal of Outcome Measurement*.

Smith, R., Rossetto, K., & Peterson, B. L. (2008). A meta-analysis of disclosure of one’s HIV-positive status, stigma and social support. *AIDS Care*, *20*(10), 1266–1275. https://doi.org/10.1080/09540120801926977

Smits, F. T., Brouwer, H. J., Zwinderman, A. H., Mohrs, J., Schene, A. H., van Weert, H. C. P. M., & ter Riet, G. (2014). Why do they keep coming back? Psychosocial etiology of persistence of frequent attendance in primary care: a prospective cohort study. *Journal of Psychosomatic Research*, *77*(6), 492–503. https://doi.org/10.1016/J.JPSYCHORES.2014.08.003

Sojka, P., Bareš, M., Kašpárek, T., & Světlák, M. (2018). Processing of Emotion in Functional Neurological Disorder. *Frontiers in Psychiatry*, *9*, 479. https://doi.org/10.3389/fpsyt.2018.00479

Sojka, P., Lošák, J., Lamoš, M., Bareš, M., Kašpárek, T., Brázdil, M., Baláž, M., Světlák, M., Kočvarová, J., & Fialová, J. (2019). Processing of Emotions in Functional Movement Disorder: An Exploratory fMRI Study. *Frontiers in Neurology*, *10*. https://doi.org/10.3389/fneur.2019.00861

Soril, L. J. J., Leggett, L. E., Lorenzetti, D. L., Noseworthy, T. W., & Clement, F. M. (2015). Reducing Frequent Visits to the Emergency Department: A Systematic Review of Interventions. *PLOS ONE*, *10*(4), e0123660. https://doi.org/10.1371/JOURNAL.PONE.0123660

Speed, B. C., Goldstein, B. L., & Goldfried, M. R. (2017). *Assertiveness Training: A Forgotten Evidence-Based Treatment*. https://doi.org/10.1111/cpsp.12216

Spitzer, R. L., Kroenke, K., Williams, J. B. W., & Löwe, B. (2006). A Brief Measure for Assessing Generalized Anxiety Disorder: The GAD-7. *Archives of Internal Medicine*, *166*(10), 1092–1097. https://doi.org/10.1001/archinte.166.10.1092

Spruyt, A., Hermans, D., Houwer, J. De, Vandromme, H., & Eelen, P. (2007). On the nature of the affective priming effect: Effects of stimulus onset asynchrony and congruency proportion in naming and evaluative categorization. *Memory & Cognition*, *35*(1), 95–106. https://doi.org/10.3758/bf03195946

Stanger, C., Ryan, S. R., Fu, H., Landes, R. D., Jones, B. A., Bickel, W. K., & Budney, A. J. (2012). Delay discounting predicts adolescent substance abuse treatment outcome. *Experimental and Clinical Psychopharmacology*, *20*(3), 205–212. https://doi.org/10.1037/A0026543

Steffen-Klatt, A., Fiess, J., Beckh, J., Schmidt, R., & Rockstroh, B. (2019). The impact of adverse childhood experience on symptom severity in patients with functional neurological symptom disorder (FNSD). *Mental Health & Prevention*, *13*, 169–175. https://doi.org/10.1016/J.MHP.2018.09.004

Stephen, C. D., Fung, V., Lungu, C. I., & Espay, A. J. (2021). Assessment of Emergency Department and Inpatient Use and Costs in Adult and Pediatric Functional Neurological Disorders. *JAMA Neurology*, *78*(1), 88–101. https://doi.org/10.1001/jamaneurol.2020.3753

Stephen, C., Fung, V., Lungu, C., & Espay, A. (2021). Healthcare utilization and inpatient/emergency department costs in adult and pediatric functional neurological disorders (1584). *Neurology*, *96*(15 Supplement).

Stone, J. (2016). Functional neurological disorders: the neurological assessment as treatment. *Practical Neurology*, *16*(1), 7–17. https://doi.org/10.1136/PRACTNEUROL-2015-001241

Stone, J., Burton, C., & Carson, A. (2020). Recognising and explaining functional neurological disorder. *BMJ*, *371*. https://doi.org/10.1136/BMJ.M3745

Stone, J., & Carson, A. (2015). Functional neurologic disorders. *Continuum (Minneapolis, Minn.)*, *21*(3 Behavioral Neurology and Neuropsychiatry), 818–837. https://doi.org/10.1212/01.CON.0000466669.02477.45

Stone, J., Carson, A., Duncan, R., Coleman, R., Roberts, R., Warlow, C., Hibberd, C., Murray, G., Cull, R., Pelosi, A., Cavanagh, J., Matthews, K., Goldbeck, R., Smyth, R., Walker, J., MacMahon, A. D., & Sharpe, M. (2009). Symptoms “unexplained by organic disease” in 1144 new neurology out-patients: how often does the diagnosis change at follow-up? *Brain : A Journal of Neurology*, *132*(Pt 10), 2878–2888. https://doi.org/10.1093/BRAIN/AWP220

Stone, J., Carson, A., Duncan, R., Roberts, R., Warlow, C., Hibberd, C., Coleman, R., Cull, R., Murray, G., Pelosi, A., Cavanagh, J., Matthews, K., Goldbeck, R., Smyth, R., Walker, J., & Sharpe, M. (2010). Who is referred to neurology clinics?--the diagnoses made in 3781 new patients. *Clin Neurol Neurosurg*, *112*(9), 747–751. https://doi.org/10.1016/j.clineuro.2010.05.011

Stone, J., LaFrance, W. C., Brown, R., Spiegel, D., Levenson, J. L., & Sharpe, M. (2011). Conversion Disorder: Current problems and potential solutions for DSM-5. *Journal of Psychosomatic Research*, *71*(6), 369–376. https://doi.org/https://doi.org/10.1016/j.jpsychores.2011.07.005

Stone, J., Smyth, R., Carson, A., Lewis, S., Prescott, R., Warlow, C., & Sharpe, M. (2005). Systematic review of misdiagnosis of conversion symptoms and “hysteria.” *BMJ : British Medical Journal*, *331*(7523), 989. https://doi.org/10.1136/BMJ.38628.466898.55

Stone, J., Wojcik, W., Durrance, D., Carson, A., Lewis, S., MacKenzie, L., Warlow, C. P., & Sharpe, M. (2002). What should we say to patients with symptoms unexplained by disease? The “number needed to offend.” *BMJ (Clinical Research Ed.)*, *325*(7378), 1449–1450. https://doi.org/10.1136/BMJ.325.7378.1449

Streiner, D., Norman, G., & Cairney, J. (2015). *Health measurement scales: a practical guide to their development and use*. https://books.google.com/books?hl=en&lr=&id=JH3OBAAAQBAJ&oi=fnd&pg=PP1&dq=.+Health+Measurement+Scales:+A+practical+guide+to+their+development+and+use.Oxford+University+Press,+2015doi:10.1093/med/9780199685219.001.0001.&ots=tk4Euk9Ial&sig=-k\_JYXSq5y6i4m\_fbp64Em2Dy-4

Stuart, H. (2016). Reducing the stigma of mental illness. *Global Mental Health*, *3*, e17. https://doi.org/10.1017/GMH.2016.11

Subic-Wrana, C., Beutel, M. E., Brähler, E., Stöbel-Richter, Y., Knebel, A., Lane, R. D., & Wiltink, J. (2014). How is emotional awareness related to emotion regulation strategies and self-reported negative affect in the general population? *PLoS ONE*, *9*(3). https://doi.org/10.1371/JOURNAL.PONE.0091846

Suurmeijer, T. P. B. M., Reuvekamp, M. F., & Aldenkamp, B. P. (2001). Social functioning, psychological functioning, and quality of life in epilepsy. *Epilepsia*, *42*(9), 1160–1168. https://doi.org/10.1046/J.1528-1157.2001.37000.X

Szaflarski, J. P., Allendorfer, J. B., Nenert, R., LaFrance Jr., W. C., Barkan, H. I., DeWolfe, J., Pati, S., Thomas, A. E., & Ver Hoef, L. (2018). Facial emotion processing in patients with seizure disorders. *Epilepsy Behav*, *79*, 193–204. https://doi.org/10.1016/j.yebeh.2017.12.004

Szaflarski, J. P., Ficker, D. M., Cahill, W. T., & Privitera, M. D. (2000). Four-year incidence of psychogenic nonepileptic seizures in adults in hamilton county, OH. *Neurology*, *55*(10), 1561–1563. https://doi.org/10.1212/WNL.55.10.1561

Szaflarski, J. P., & LaFrance, W. C. (2018). Psychogenic Nonepileptic Seizures (PNES) as a network disorder - Evidence from neuroimaging of functional (psychogenic) neurological disorders. *Epilepsy Currents*, *18*(4), 211–216. https://doi.org/10.5698/1535-7597.18.4.211/ASSET/IMAGES/LARGE/10.5698\_1535-7597.18.4.211-FIG1.JPEG

Tannemaat, M. R., Van Niekerk, J., Reijntjes, R. H., Thijs, R. D., Sutton, R., & Van Dijk, J. G. (2013). The semiology of tilt-induced psychogenic pseudosyncope. *Neurology*, *81*(8), 752. https://doi.org/10.1212/WNL.0B013E3182A1AA88

Tennant, A., McKenna, S. P., & Hagell, P. (2004). Application of Rasch Analysis in the Development and Application of Quality of Life Instruments. *Value in Health*, *7*, S22–S26. https://doi.org/10.1111/j.1524-4733.2004.7s106.x

Tennant, A., Research, P. C.-A. C. &, & 2007, undefined. (2007). The Rasch measurement model in rheumatology: what is it and why use it? When should it be applied, and what should one look for in a Rasch paper? *Spoergeskemaer.Dk*, *57*(8), 1358–1362. https://doi.org/10.1002/art.23108

Tenny, S., Brannan, J. M., & Brannan, G. D. (2022). *Qualitative Study*. https://www.ncbi.nlm.nih.gov/books/NBK470395/

Testa, S. M., Krauss, G. L., Lesser, R. P., & Brandt, J. (2012). Stressful life event appraisal and coping in patients with psychogenic seizures and those with epilepsy. *Seizure*, *21*(4), 282–287. https://doi.org/10.1016/j.seizure.2012.02.002

Thoits, P. A. (2011). Mechanisms linking social ties and support to physical and mental health. *Journal of Health and Social Behavior*, *52*(2), 145–161. https://doi.org/10.1177/0022146510395592

Tice, D. M., Bratslavsky, E., & Baumeister, R. F. (2001). Emotional distress regulation takes precedence over impulse control: If you feel bad, do it! *Journal of Personality and Social Psychology*, *80*(1), 53–67. https://doi.org/10.1037/0022-3514.80.1.53

Tong, X., Chen, J., Park, S. P., Wang, X., Wang, C., Su, M., & Zhou, D. (2016). Social support for people with epilepsy in China. *Epilepsy & Behavior : E&B*, *64*(Pt A), 224–232. https://doi.org/10.1016/J.YEBEH.2016.08.010

Tripepi, G., Jager, K. J., Dekker, F. W., & Zoccali, C. (2010). Stratification for Confounding – Part 2: Direct and Indirect Standardization. *Nephron Clinical Practice*, *116*(4), c322–c325. https://doi.org/10.1159/000319591

Tsanas, A., Saunders, K. E. A., Bilderbeck, A. C., Palmius, N., Osipov, M., Clifford, G. D., Goodwin, G. Μ., & De Vos, M. (2016). Daily longitudinal self-monitoring of mood variability in bipolar disorder and borderline personality disorder. *Journal of Affective Disorders.*, *205*, 225–233. https://doi.org/10.1016/j.jad.2016.06.065 info:doi/10.1016/j.jad.2016.06.065

Tsui, P., Deptula, A., & Yuan, D. Y. (2017). Conversion Disorder, Functional Neurological Symptom Disorder, and Chronic Pain: Comorbidity, Assessment, and Treatment. *Current Pain and Headache Reports*, *21*(6), 1–10. https://doi.org/10.1007/S11916-017-0627-7/TABLES/1

Turner, J., Knowles, E., Simpson, R., Sampson, F., Dixon, S., Long, J., Bell-Gorrod, H., Jacques, R., Coster, J., Yang, H., Nicholl, J., Bath, P., Fall, D., & Stone, T. (2021). *Characteristics of the NHS 111 Online and telephone populations*. https://www.ncbi.nlm.nih.gov/books/NBK575175/

Uchino, B. N. (2006). Social Support and Health: A Review of Physiological Processes Potentially Underlying Links to Disease Outcomes. *Journal of Behavioral Medicine*, *29*(4). https://doi.org/10.1007/s10865-006-9056-5

University of Sheffield. (n.d.). *CURE Projects: ScHARR*. https://www.sheffield.ac.uk/scharr/research/centres/cure/projects

Vago, & Silbersweig. (2012). Self-awareness, self-regulation, and self-transcendence (S-ART): a framework for understanding the neurobiological mechanisms of mindfulness. *Frontiers in Human Neuroscience*, *6*(OCTOBER 2012). https://doi.org/10.3389/FNHUM.2012.00296

Vaidya-Mathur, U., Myers, L., Laban-Grant, O., Lancman, M., Lancman, M., & Jones, J. (2016). Socialization characteristics in patients with psychogenic nonepileptic seizures (PNES). *Epilepsy & Behavior : E&B*, *56*, 59–65. https://doi.org/10.1016/J.YEBEH.2015.12.032

Valderas, J. M., Kotzeva, A., Espallargues, M., Guyatt, G., Ferrans, C. E., Halyard, M. Y., Revicki, D. A., Symonds, T., Parada, A., & Alonso, J. (2008). The impact of measuring patient-reported outcomes in clinical practice: a systematic review of the literature. *Quality of Life Research : An International Journal of Quality of Life Aspects of Treatment, Care and Rehabilitation*, *17*(2), 179–193. https://doi.org/10.1007/S11136-007-9295-0

van Buuren, S. (2007). Multiple imputation of discrete and continuous data by fully conditional specification. *Statistical Methods in Medical Research*, *16*, 219–242. https://doi.org/10.1177/0962280206074463

van Buuren, S., & Groothuis-Oudshoorn, K. (2011). mice: Multivariate Imputation by Chained Equations in R. *Journal of Statistical Software*, *45*(3), 1–67. https://doi.org/10.18637/JSS.V045.I03

van der Hiele, K., Spliethoff-Kamminga, N. G., Ruimschotel, R. P., Middelkoop, H. A., & Visser, L. H. (2012). The relationship between self-reported executive performance and psychological characteristics in multiple sclerosis. *Eur J Neurol*, *19*(4), 562–569. https://doi.org/10.1111/j.1468-1331.2011.03538.x

van Reenen M, & Janssen, B. (2015). *EQ-5D-5L User Guide, Basic Information on how to use the EQ-5D-5L instrument.: Vol. 2.1*. EuroQol Research Foundation.

Vedsted, P., & Christensen, M. B. (2005). Frequent attenders in general practice care: A literature review with special reference to methodological considerations. *Public Health*, *119*(2), 118–137. https://doi.org/10.1016/j.puhe.2004.03.007

Vijay, K. G., Avasthi, A., & Grover, S. (2014). A study of worry and functional somatic symptoms in generalized anxiety disorder. *Asian Journal of Psychiatry*, *11*, 50–52. https://doi.org/10.1016/j.ajp.2014.05.011

Villagrán, A., Eldøen, G., Duncan, R., Modalsli Aaberg, K., Hofoss, D., & Ingvar Lossius, M. (2021). *Incidence and prevalence of psychogenic nonepileptic seizures in a Norwegian county: A 10-year population-based study*. https://doi.org/10.1111/epi.16949

Visser, L. H., & van der Hiele, K. (2014). Self-reports of executive functioning in multiple sclerosis: to trust or not to trust. *Neurodegener Dis Manag*, *4*(2), 109–111. https://doi.org/10.2217/nmt.14.15

Voon, V., Brezing, C., Gallea, C., Ameli, R., Roelofs, K., Lafrance, W. C., & Hallett, M. (2010). Emotional stimuli and motor conversion disorder. *Brain*, *133*(5), 1526–1536. https://doi.org/10.1093/brain/awq054

Voon, V., Cavanna, A. E., Coburn, K., Sampson, S., Reeve, A., & Curt Lafrance, W. (2016). Functional neuroanatomy and neurophysiology of functional neurological disorders (Conversion disorder). *Journal of Neuropsychiatry and Clinical Neurosciences*, *28*(3), 168–190. https://doi.org/10.1176/APPI.NEUROPSYCH.14090217/ASSET/IMAGES/LARGE/APPI.NEUROPSYCH.14090217F2.JPEG

Walker, E. R., Bamps, Y., Burdett, A., Rothkopf, J., & DiIorio, C. (2012). Social support for self-management behaviors among people with epilepsy: a content analysis of the WebEase program. *Epilepsy & Behavior : E&B*, *23*(3), 285–290. https://doi.org/10.1016/J.YEBEH.2012.01.006

Walker, M. C., Howard, R. S., Smith, S. J., Miller, D. H., Shorvon, S. D., & Hirsch, N. P. (1996). Diagnosis and treatment of status epilepticus on a neurological intensive care unit. *QJM : Monthly Journal of the Association of Physicians*, *89*(12), 913–920. https://doi.org/10.1093/QJMED/89.12.913

Walther, K., Volbers, B., Erdmann, L., Kurzbuch, K., Lang, J. D., Mueller, T. M., Reindl, C., Schwarz, M., Schwab, S., & Hamer, H. M. (2020). Psychosocial long-term outcome in patients with psychogenic non-epileptic seizures. *Seizure*, *83*, 187–192. https://doi.org/10.1016/J.SEIZURE.2020.09.014

Walzl, D., Solomon, A. J., & Stone, J. (2022). Functional neurological disorder and multiple sclerosis: a systematic review of misdiagnosis and clinical overlap. *Journal of Neurology*, *269*(2), 654–663. https://doi.org/10.1007/S00415-021-10436-6/TABLES/3

Wang, W., Sun, X., Wong, A. C. N., & So, S. H. wai. (2023). Selective processing in attention and memory in schizophrenia: A meta-analysis of the negative priming effect. *Journal of Psychiatric Research*, *161*, 112–122. https://doi.org/10.1016/J.JPSYCHIRES.2023.02.041

Wardrope, A., Dworetzky, B. A., Barkley, G. L., Baslet, G., Buchhalter, J., Doss, J., Goldstein, L. H., Perez, D. L., Riker, E., Roberts, N. A., Stone, J., Tolchin, B., & Reuber, M. (2021). How to do things with words Two seminars on the naming of functional (psychogenic, non-epileptic, dissociative, conversion, …) seizures. *Seizure*, *93*. https://www.fndsociety.org/fnd-education/dec3-webinar-material.

Watkins, M. W. (2018). Exploratory Factor Analysis: A Guide to Best Practice. *Https://Doi.Org/10.1177/0095798418771807*, *44*(3), 219–246. https://doi.org/10.1177/0095798418771807

Weinsztok, S., Brassard, S., Balodis, I., Martin, L. E., & Amlung, M. (2021). Delay Discounting in Established and Proposed Behavioral Addictions: A Systematic Review and Meta-Analysis. *Frontiers in Behavioral Neuroscience*, *15*, 786358. https://doi.org/10.3389/FNBEH.2021.786358/BIBTEX

Wentura, D. (1999). Activation and Inhibition of Affective Information: for Negative Priming in the Evaluation Task. *Cognition & Emotion*, *13*(1), 65–91. https://doi.org/10.1080/026999399379375

Whitehead, K., Kandler, R., & Reuber, M. (2013). Patients’ and neurologists’ perception of epilepsy and psychogenic nonepileptic seizures. *Epilepsia*, *54*(4), 708–717. https://doi.org/10.1111/EPI.12087

Whitehead, S. J., & Ali, S. (2010). Health outcomes in economic evaluation: the QALY and utilities. *British Medical Bulletin*, *96*(1), 5–21. https://doi.org/10.1093/BMB/LDQ033

Whitehead, W. E., Drescher, V. M., Heiman, P., & Blackwell, B. (1977). Relation of heart rate control to heartbeat perception. *Biofeedback and Self-Regulation*, *2*(4), 371–392. https://doi.org/10.1007/BF00998623/METRICS

Whiteside, S. P., & Lynam, D. R. (2001). The Five Factor Model and impulsivity: using a structural model of personality to understand impulsivity. *Personality and Individual Differences*, *30*(4), 669–689. https://doi.org/10.1016/S0191-8869(00)00064-7

Whitfield, A., Walsh, S., Levita, L., & Reuber, M. (2020). Catastrophising and repetitive negative thinking tendencies in patients with psychogenic non-epileptic seizures or epilepsy. *Seizure*, *83*, 57–62. https://doi.org/10.1016/J.SEIZURE.2020.09.034

Whynes, D. K. (2008). Correspondence between EQ-5D health state classifications and EQ VAS scores. *Health Qual Life Outcomes*, *6*, 94. https://doi.org/10.1186/1477-7525-6-94

Williams, B., Jalilianhasanpour, R., Matin, N., Fricchione, G. L., Sepulcre, J., Keshavan, M. S., LaFrance Jr., W. C., Dickerson, B. C., & Perez, D. L. (2018). Individual differences in corticolimbic structural profiles linked to insecure attachment and coping styles in motor functional neurological disorders. *J Psychiatr Res*, *102*, 230–237. https://doi.org/10.1016/j.jpsychires.2018.04.006

Williams, D. T., Ford, B., & Fahn, S. (1995). Phenomenology and psychopathology related to psychogenic movement disorders. *Adv Neurol*, *65*, 231–257.

Williams, D. T., Lafaver, K., Carson, A., & Fahn, S. (2016). Inpatient treatment for functional neurologic disorders. *Handbook of Clinical Neurology*, *139*, 631–641. https://doi.org/10.1016/B978-0-12-801772-2.00051-5

Williams, E. R. L., Guthrie, E., Mackway-Jones, K., James, M., Tomenson, B., Eastham, J., & McNally, D. (2001). Psychiatric status, somatisation, and health care utilization of frequent attenders at the emergency department: a comparison with routine attenders. *Journal of Psychosomatic Research*, *50*(3), 161–167. https://doi.org/10.1016/S0022-3999(00)00228-2

Williams, I. A., Howlett, S., Levita, L., & Reuber, M. (2018). Changes in Emotion Processing following Brief Augmented Psychodynamic Interpersonal Therapy for Functional Neurological Symptoms. *Behavioural and Cognitive Psychotherapy*, *46*(3), 350–366. https://doi.org/10.1017/s1352465817000807

Williams, I. A., Levita, L., & Reuber, M. (2018). Emotion dysregulation in patients with psychogenic nonepileptic seizures: A systematic review based on the extended process model. *Epilepsy Behav*, *86*, 37–48. https://doi.org/10.1016/j.yebeh.2018.06.049

Williams, I. A., Reuber, M., & Levita, L. (2021). Interoception and stress in patients with Functional Neurological Symptom Disorder. *Cognitive Neuropsychiatry*, *26*(2), 75–94. https://doi.org/10.1080/13546805.2020.1865895

Wills, T. A., & Shinar, O. (2015). Measuring Perceived and Received Social Support. *Social Support Measurement and Intervention*, 86–135. https://doi.org/10.1093/MED:PSYCH/9780195126709.003.0004

World Health Organisation (WHO). (2019). *International Classification of Diseases, Eleventh Revision (ICD-11)*. https://icd.who.int/browse11.

Worthington, R. L., & Whittaker, T. A. (2006). *Scale Development Research A Content Analysis and Recommendations for Best Practices*. https://doi.org/10.1177/0011000006288127

Worthy, D. A., Byrne, K. A., & Fields, S. (2014). Effects of emotion on prospection during decision-making. *Frontiers in Psychology*, *5*(JUN), 591. https://doi.org/10.3389/FPSYG.2014.00591/BIBTEX

Wright, B. D., & Masters, G. N. (1982). *Rating scale analysis: Rasch measurement. Chicago: Mesa Press.*

Wright, B. D., & Mesa, M. H. S. (1979). *Best test design*. https://research.acer.edu.au/measurement/1/

Wright, B., & Linacre, J. (1994). Reasonable mean-square fit values. *Rasch Measurement Transaction*, *8*, 370–371.

Wright, B., & Stone, M. (1979). Best test design. *Measurement and Statistics*. https://research.acer.edu.au/measurement/1

Zahra, D., Qureshi, A., Henley, W., Taylor, R., Quinn, C., Pooler, J., Hardy, G., Newbold, A., & Byng, R. (2014). The work and social adjustment scale: reliability, sensitivity and value. *International Journal of Psychiatry in Clinical Practice*, *18*(2), 131–138. https://doi.org/10.3109/13651501.2014.894072

Zeintl, M., Kliegel, M., Rast, P., & Zimprich, D. (2006). Prospective Memory Complaints Can Be Predicted by Prospective Memory Performance in Older Adults. *Dementia and Geriatric Cognitive Disorders*, *22*(3), 209–215. https://doi.org/10.1159/000094915

Zhang, L., Beghi, E., Tomson, T., Beghi, M., Erba, G., & Chang, Z. (2022). Mortality in patients with psychogenic non-epileptic seizures a population-based cohort study. *Journal of Neurology, Neurosurgery, and Psychiatry*, *93*(4). https://doi.org/10.1136/JNNP-2021-328035

## Appendices

Appendix A – Included Study Measures

1. Symptom Characterisation questionnaire - EASE
2. GAD-7
3. PHQ-9
4. PHQ-15
5. PCL-5
6. WSAS
7. EQ-5D-3L
8. UCS
9. Mood Zoom
10. DERS

Appendix B – EASE Questionnaire

1. Original German EASE questionnaire
2. Original EASE-F questionnaire
3. EASE Interim Scoring Instructions

Appendix C – EASE Study - Supplementary Data

1. Table 26. Summary of patient symptom data from consultant referral letters
2. Table 27. Floor and ceiling effects in the EASE-F
3. Figure 15. EASE-F Scree plot analysis
4. Table 29. Horn’s Parallel Analysis for factor retention
5. Tables 30A-G. Item Distributions for Factor models
6. Table 31.Scale intercorrelations for 4-factor model
7. Table 32. Item factor loadings in the 4-factor EASE-F model
8. Table 33. Goodness of fit for adjusted EASE-F models

Appendix D – EASE Iterative Process of scale refinement

1. Table 34A-H. Self-efficacy Scale
2. Table 35A-H Self-awareness Scale
3. Table 36A-H Social Support Scale
4. Table 37A-H Illness Burden Scale

Appendix E – Emergency Care Use Study Supplementary Data

1. Table 38 - Age and sex-stratified crude rates/ proportions for the FNSD cohort
2. Table 39 - Age and sex-stratified crude rates/ proportions for the general population

Appendix F - Affective Cognition Study - Supplementary Data

1. Table 40 - Accuracies and RTs of each NAP task condition
2. Table 41 - Correlation Matrix – FNSD
3. Table 42 – Correlation Matrix - HC

Appendix G – Literature Review Supplementary Measures

1. Table 43 - Summary of studies identified in the literature search
2. Table 44 – Quality assessment of reviewed studies
3. Table 45 – Categorisation of reviewed studies and collective subjective and objective measures utilised in the studies.
4. Table 46. Correlations between self-report scores and objective measures reported in the included studies

Appendix A – Included Study Measures –(1) Symptom Characterisation Questionnaire – EASE Study

**Patient Symptom Characterisation Questionnaire**

*Please answer the following questions about yourself. The information you are giving us will be treated as confidential.*

1. Full name:

1. Please indicate any functional neurological symptom you currently experience ?

|  |  |  |
| --- | --- | --- |
| **Symptoms** | **Symptom present** *(please tick)* | **Duration of symptom** *(years and months)* |
| Weakness or paralysis |  |  |
| Abnormal movements, *(e.g., tremor, dystonic movement, myoclonus, gait disorder)* |  |  |
| Swallowing symptoms |  |  |
| Speech symptoms *(e.g., dysphonia, slurred speech)* |  |  |
| Attacks or seizures |  |  |
| Sensory loss |  |  |
| Special sensory symptom *(e.g., visual, olfactory, or hearing disturbance)* |  |  |
| Other *(please specify):* |  |  |

1. Please indicate the most to least prominent symptoms below by entering chronological numbers in the box

1 - most prominent, 2… 3 …4 … 5 - least prominent

|  |  |
| --- | --- |
| Weakness or paralysis |  |
| Abnormal movements, *(e.g., tremor involuntary movements, gait disorder)* |  |
| Swallowing symptoms |  |
| Speech symptoms *(e.g., dysphonia, slurred speech)* |  |
| Attacks or seizures |  |
| Anaesthesia or sensory loss |  |
| Special sensory symptom *(e.g., visual, olfactory, or hearing disturbance)* |  |
| Other (*please specify):* |  |

1. Do you experience any additional psychological problems (e.g. anxiety, depression, personality disorder) alongside your functional neurological symptoms? If yes, please specify.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Do you experience any additional physical problems (e.g. injury or trauma to limb) alongside your functional neurological symptoms? If yes, please specify.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. a) Do you experience non-epileptic attacks (also known as dissociative seizures/psychogenic non-epileptic seizures) (please tick)?

YES NO

b) If the answer is ‘yes’, how many have you had **in the last month**?

1. Do you ever experience any of the following as part of your functional neurological symptoms(s) (please tick)?

|  |  |  |
| --- | --- | --- |
|  | YES | NO |
| I have spells during which I black out/lose consciousness completely. |  |  |
| I have spells during which I am aware of what is going on, but I am unable to respond to other people. |  |  |
| I have spells during which I can perform actions, but I am not aware of what I am doing. |  |  |

1. a) Are you currently taking any medication (please tick)?

YES NO

b) If yes, please list your medication below:

1. Have you received or are receiving any form of psychological treatment (please tick)?

YES NO

**Thank you for completing this symptom characterisation questionnaire.**

Appendix A – Included Study Measures –(2) GAD-7 Questionnaire

**GAD-7**

Over the last two weeks, how often have you been bothered by the following problems?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Not at all | Several days | More than half the days | Nearly every day |
| 1 | Feeling nervous, anxious or on edge |  |  |  |  |
| 2 | Not being able to stop or control worrying |  |  |  |  |
| 3 | Worrying too much about different things |  |  |  |  |
| 4 | Trouble relaxing |  |  |  |  |
| 5 | Being so restless that it is hard to sit still |  |  |  |  |
| 6 | Becoming easily annoyed or irritable |  |  |  |  |
| 7 | Feeling afraid as if something awful might happen |  |  |  |  |

Appendix A – Included Study Measures – (3) PHQ-9 Questionnaire

**Patient Health Questionnaire – 9 (PHQ-9)**

Over the last two weeks, how often have you been bothered by any of the following problems?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Not at all | Several days | More than half the days | Nearly every day |
| 1 | Little interest of pleasure in doing things |  |  |  |  |
| 2 | Feeling down, depressed or hopeless |  |  |  |  |
| 3 | Trouble falling or staying asleep, or sleeping too much |  |  |  |  |
| 4 | Feeling tired or having little energy |  |  |  |  |
| 5 | Poor appetite or overeating |  |  |  |  |
| 6 | Feeling bad about yourself – or that you are a failure or have let yourself or your family down |  |  |  |  |
| 7 | Trouble concentrating on things, such as reading the newspaper or watching television |  |  |  |  |
| 8 | Moving or speaking so slowly that other people could have noticed? Or the opposite – being so fidgety or restless that you have been moving around a lot more than usual |  |  |  |  |
| 9 | Thoughts that you would be better off dead or hurting yourself in some way |  |  |  |  |

Appendix A – Included Study Measures – (4) PHQ-15 Questionnaire

**Patient Questionnaire – 15 (PHQ-15)**

During the past 4 weeks, how much have you been bothered by any of the following problems? Please tick as appropriate.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Not bothered at all | Bothered a little | Bothered a lot |
| 1 | Stomach pain |  |  |  |
| 2 | Back pain |  |  |  |
| 3 | Pain in your arms, legs or joints (knees, hips etc) |  |  |  |
| 4 | Menstrual cramps (women only) |  |  |  |
| 5 | Headaches |  |  |  |
| 6 | Chest pains |  |  |  |
| 7 | Dizziness |  |  |  |
| 8 | Fainting spells |  |  |  |
| 9 | Feeling your heart pound or race |  |  |  |
| 10 | Shortness of breath |  |  |  |
| 11 | Pain or problems during sexual intercourse |  |  |  |
| 12 | Constipation, loose bowels or diarrhoea |  |  |  |
| 13 | Nausea, gas or indigestion |  |  |  |
| 14 | Feeling tired or having little energy |  |  |  |
| 15 | Trouble sleeping |  |  |  |

Appendix A – Included Study Measures – (5) PCL-5 Questionnaire

**PTSD Checklist for DSM-5 (PCL-5)**

**Instructions:** Below is a list of problems that people sometimes have in response to a very stressful experience. Please read each problem carefully and then circle one of the numbers to the right to indicate how much you have been bothered by that problem in the past month.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Response** | **Not at all**  **(0)** | **A little bit**  **(1)** | **Moderately**  **(2)** | **Quite a bit**  **(3)** | **Extremely**  **(4)** |
| **1.** | Repeated, disturbing, and unwanted memories of the stressful experience? |  |  |  |  |  |
| **2.** | Repeated, disturbing dreams of the stressful experience? |  |  |  |  |  |
| **3.** | Suddenly feeling or acting as if the stressful experience were actually happening again (as if you were actually back there reliving it)? |  |  |  |  |  |
| **4.** | Feeling very upset when something reminded you of  the stressful experience? |  |  |  |  |  |
| **5.** | Having strong physical reactions when something reminded you of the stressful experience (for example, heart pounding, trouble breathing, or sweating)? |  |  |  |  |  |
| **6.** | Avoiding memories, thoughts, or feelings related to the stressful experience? |  |  |  |  |  |
| **7.** | Avoiding external reminders of the stressful experience (for example, people, places, conversations, activities, objects or situations)? |  |  |  |  |  |
| **8.** | Trouble remembering important parts of the stressful experience? |  |  |  |  |  |
| **9.** | Having strong negative beliefs about yourself, other people, or the world (for example, having thoughts such as: I am bad, there is something seriously wrong with me, no one can be trusted, the world is completely dangerous)? |  |  |  |  |  |
| **10.** | Blaming yourself or someone else for the stressful experience or what happened after it? |  |  |  |  |  |
| **11.** | Having strong negative feelings such as fear, horror, anger, guilt, or shame? |  |  |  |  |  |
| **12.** | Loss of interest in activities that you used to enjoy? |  |  |  |  |  |
| **13.** | Feeling distant or cut off from other people? |  |  |  |  |  |
| **14.** | Trouble experiencing positive feelings (for example, being unable to feel happiness or have loving feelings for people close to you)? |  |  |  |  |  |
| **15.** | Irritable behaviour, angry outbursts, or acting aggressively? |  |  |  |  |  |
| **16.** | Taking too many risks or doing things that could cause you harm? |  |  |  |  |  |
| **17.** | Being “super alert” or watchful or on guard? |  |  |  |  |  |
| **18.** | Feeling jumpy or easily startled? |  |  |  |  |  |
| **19.** | Having difficulty concentrating? |  |  |  |  |  |
| **20.** | Trouble falling or staying asleep? |  |  |  |  |  |

**Version date:** 11 April 2018

Appendix A – Included Study Measures – (6) WSAS Questionnaire

**The Work and Social Adjustment Scale (WSAS)**

People’s problems sometimes affect their ability to do certain day-to-day tasks in their lives. To rate your problems look at each section and determine on the scale provided how much your problem impairs your ability to carry out the activity. This assessment is not intended to be a diagnosis. If you are concerned about your results in any way, please speak with a qualified health professional.

**If you’re retired or choose not to have a job for reasons unrelated to your problems, tick here** 

**0 1 2 3 4 5 6 7 8**   
Not at all Slightly Definitely Markedly Very severely

**1**. Because of my [problem] my **ability to work** is impaired. 0 means ‘not at all   
impaired’ and ‘8’ means very severely impaired to the point I can’t work.

**2.** Because of my [problem] my **home management** (cleaning, tidying, shopping,   
cooking, looking after home or children, paying bills) is impaired.

**3.** Because of my [problem] my **social leisure activities** (with other people e.g.   
parties bars, clubs, outings, visits, dating, home entertaining) is impaired.

**4.** Because of my [problem], my **private leisure activities** (done alone, such as  
reading, gardening, collecting, sewing, walking alone) is impaired.

**5.** Because of my [problem], my ability to form and maintain **close relationships**  
with others, including those I live with, is impaired.

Appendix A – Included Study Measures – (7) EQ-5D-3L Questionnaire

**EuroQol (EQ-5D 3L)**

|  |  |
| --- | --- |
| Under each heading, please tick the ONE box that best describes your health TODAY. | |
|  |  |
| **MOBILITY** |  |
| I have no problems in walking about | ❑ |
| I have some problems in walking about | ❑ |
| I am confined to bed | ❑ |
|  |  |
| **SELF-CARE** |  |
| I have no problems with self-care | ❑ |
| I have some problems washing or dressing myself | ❑ |
| I am unable to wash or dress myself | ❑ |
|  |  |
| **USUAL ACTIVITIES** *(e.g. work, study, housework, family or leisure activities)* |  |
| I have no problems with performing my usual activities | ❑ |
| I have some problems with performing my usual activities | ❑ |
| I am unable to perform my usual activities | ❑ |
|  |  |
| **PAIN / DISCOMFORT** |  |
| I have no pain or discomfort | ❑ |
| I have moderate pain or discomfort | ❑ |
| I have extreme pain or discomfort | ❑ |
|  |  |
| **ANXIETY / DEPRESSION** |  |
| I am not anxious or depressed | ❑ |
| I am moderately anxious or depressed | ❑ |
| I am extremely anxious or depressed | ❑ |

|  |
| --- |
| * We would like to know how good or bad your health is TODAY. |
| * This scale is numbered from 0 to 100. |
| * 100 means the best health you can imagine. 0 means the worst health you can imagine. |
| * Please mark an X on the scale to indicate how your health is TODAY. |
| * Now, write the number you marked on the scale in the box below. |

10

0

20

30

40

50

60

80

70

90

100

5

15

25

35

45

55

75

65

85

95

The best health you can imagine

YOUR HEALTH TODAY =

The worst health you can imagine

Appendix A – Included Study Measures – (8) UCS Questionnaire

**Unmitigated Communion Scale**

**Instructions:**

Using the scale below, circle the number beside each statement that indicates the extent to which you agree or disagree.

Think of people close to you – friends or family in responding to each statement.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Strongly Disagree** | **Slightly Disagree** | **Neither agree nor disagree** | **Slightly Agree** | **Strongly Agree** |
| **1.** | I always place the needs of others above my own | **1** | **2** | **3** | **4** | **5** |
| **2.** | I never find myself getting overly involved in others problems \* | **1** | **2** | **3** | **4** | **5** |
| **3.** | For me to be happy, I need others to be happy | **1** | **2** | **3** | **4** | **5** |
| **4.** | I worry about how other people get along without me when I am not there | **1** | **2** | **3** | **4** | **5** |
| **5.** | I have no trouble getting to sleep at night when other people are upset \* | **1** | **2** | **3** | **4** | **5** |
| **6.** | It is impossible for me to satisfy my own needs when they interfere with the needs of others | **1** | **2** | **3** | **4** | **5** |
| **7.** | I can’t say no when someone asks me for help | **1** | **2** | **3** | **4** | **5** |
| **8.** | Even when exhausted, I will always help other people. | **1** | **2** | **3** | **4** | **5** |
| **9.** | I often worry about others’ problems | **1** | **2** | **3** | **4** | **5** |

\*Items reverse scored.

Appendix A – Included Study Measures – (9) Mood Zoom

**Mood Zoom**

On a scale of 0-6, (0 – not at all, 6 – very much), please rate to what extent the following words describe your CURRENT MOOD:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | *Not at all*  *(0)* | *(1)* | *(2)* | *(3)* | *(4)* | *(5)* | *Very much*  *(6)* |
| Anxious |  |  |  |  |  |  |  |
| Elated |  |  |  |  |  |  |  |
| Sad |  |  |  |  |  |  |  |
| Angry |  |  |  |  |  |  |  |
| Irritable |  |  |  |  |  |  |  |
| Energetic |  |  |  |  |  |  |  |

Appendix A – Included Study Measures – (10) DERS Questionnaire

**Difficulties in Emotion Regulation Scale (DERS)**

Please indicate how often the following statements apply to you by writing the appropriate number from the scale below on the line beside each item.

1------------------------2---------------------------3---------------------------4---------------------------5

almost never sometimes about half the time most of the time almost always

(0-10%) (11-35%) (36-65%) (66-90%) (91-100%)

1) I am clear about my feelings. \_\_\_\_\_

2) I pay attention to how I feel. \_\_\_\_\_

3) I experience my emotions as overwhelming and out of control. \_\_\_\_\_

4) I have no idea how I am feeling. \_\_\_\_\_

5) I have difficulty making sense out of my feelings. \_\_\_\_\_

6) I am attentive to my feelings. \_\_\_\_\_

7) I know exactly how I am feeling. \_\_\_\_\_

8) I care about what I am feeling. \_\_\_\_\_

9) I am confused about how I feel. \_\_\_\_\_

10) When I’m upset, I acknowledge my emotions. \_\_\_\_\_

11) When I’m upset, I become angry with myself for feeling that way. \_\_\_\_\_

12) When I’m upset, I become embarrassed for feeling that way. \_\_\_\_\_

13) When I’m upset, I have difficulty getting work done. \_\_\_\_\_

14) When I’m upset, I become out of control. \_\_\_\_\_

15) When I’m upset, I believe that I will remain that way for a long time. \_\_\_\_\_

16) When I’m upset, I believe that I will end up feeling very depressed. \_\_\_\_\_

17) When I’m upset, I believe that my feelings are valid and important. \_\_\_\_\_

18) When I’m upset, I have difficulty focusing on other things. \_\_\_\_\_

19) When I’m upset, I feel out of control. \_\_\_\_\_

20) When I’m upset, I can still get things done. \_\_\_\_\_

21) When I’m upset, I feel ashamed at myself for feeling that way. \_\_\_\_\_

22) When I’m upset, I know that I can find a way to eventually feel better. \_\_\_\_\_

23) When I’m upset, I feel like I am weak. \_\_\_\_\_

24) When I’m upset, I feel like I can remain in control of my behaviors. \_\_\_\_\_

25) When I’m upset, I feel guilty for feeling that way. \_\_\_\_\_

26) When I’m upset, I have difficulty concentrating. \_\_\_\_\_

27) When I’m upset, I have difficulty controlling my behaviors. \_\_\_\_\_

28) When I’m upset, I believe there is nothing I can do to make myself feel better. \_\_\_\_\_

29) When I’m upset, I become irritated at myself for feeling that way. \_\_\_\_\_

30) When I’m upset, I start to feel very bad about myself. \_\_\_\_\_

31) When I’m upset, I believe that wallowing in it is all I can do. \_\_\_\_\_

32) When I’m upset, I lose control over my behavior. \_\_\_\_\_

33) When I’m upset, I have difficulty thinking about anything else. \_\_\_\_\_

34) When I’m upset I take time to figure out what I’m really feeling. \_\_\_\_\_

35) When I’m upset, it takes me a long time to feel better. \_\_\_\_\_

36) When I’m upset, my emotions feel overwhelming.

Reverse-scored items (place a subtraction sign in front of them) are numbered 1, 2, 6, 7, 8, 10, 17, 20, 22, 24 and 34.

Calculate total score by adding everything up.

Higher scores suggest greater problems with emotion regulation.

SUBSCALE SCORING\*\*:

The measure yields a total score (SUM) as well as scores on six sub-scales:

1. Nonacceptance of emotional responses (NONACCEPT): 11, 12, 21, 23, 25, 29
2. Difficulty engaging in Goal-directed behavior (GOALS): 13, 18, 20R, 26, 33 3.
3. Impulse control difficulties (IMPULSE): 3, 14, 19, 24R, 27, 32
4. Lack of emotional awareness (AWARENESS): 2R, 6R, 8R, 10R, 17R, 34R
5. Limited access to emotion regulation strategies (STRATEGIES): 15, 16, 22R, 28, 30, 31, 35, 36
6. Lack of emotional clarity (CLARITY): 1R, 4, 5, 7R, 9 Total score: sum of all subscales \*\*”R” indicates reverse scored item

REFERENCE: Gratz, K. L. & Roemer, L. (2004). Multidimensional assessment of emotion regulation and dysregulation: Development, factor structure, and initial validation of the Difficulties in Emotion Regulation Scale. Journal of Psychopathology and Behavioral Assessment, 26, 41-54.

**Original EASE questionnaire for Epileptic and Non-Epileptic Seizures**

|  |
| --- |
|  |
| 1. I am usually able to manage my daily tasks.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 2. I can manage limitations related to my seizures in my daily life.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 3. In difficult situations I can do something that helps me.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 4. I talk openly about how I feel with people who are important to me.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 5. I am aware of my own needs and wishes.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)*   5.1. I am able to stand up firmly to others for my needs and wishes.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 6. I talk openly about my seizures with people who are important to me.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 7. I have informed people who I see regularly how to help me when I have a seizure.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 8. In some situations I am confused about how I feel. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 9. I am able to express how I feel if it is important to me.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 10. I feel good about myself the way I am.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 11. I bottle up my feelings. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 12. I worry about being a burden to others. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)*   12.1 I was like that even before my first seizure.   * *More than now (100)* * *As much as now (66)* * *Less than now (33)* |
| 13. I am able to say “no” when others ask me to do things for them that I would rather not do.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 14. It is hard for me to ask others for help. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)*   14.1 I was like that even before my first seizure.   * *More than now (100)* * *As much as now (66)* * *Less than now (33)* |
| 15. I avoid open arguments. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)*   15.1 I was like that even before my first seizure.   * *More than now (100)* * *As much as now (66)* * *Less than now (33)* |
| 16. It is easy for me openly to disagree with others if I have a different opinion.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 17. I feel ashamed of my seizures. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)*   17.1 I easily felt ashamed before I ever had a seizure.   * *More than now (100)* * *As much as now (66)* * *Less than now (33)* |
| 18. I am capable of achieving the things that I would like to achieve.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 19. I accept the things that I cannot change.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 20. I look after my well-being in daily life.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 21. I accept that I make mistakes once in a while.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 22. I feel well-prepared for future challenges.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 23. I am still troubled by things that happened to me in the past. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 24. I am confident when I deal with people I don’t know.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 25. I find it easy to relax.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 26. I take on too much to the point of being exhausted. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 27. It is realistic that my ability to cope with my seizures will improve.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 28. My seizures have changed my perspective on life.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 29. I believe that problems are also an opportunity to develop new skills in life.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 30. I am happy with the support that I receive.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 31. I am happy with the relationships that I have.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 32. There are people who I trust.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 33. I understand the causes of my seizure disorder.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 34. I experience exclusion and discrimination because of my seizures. (R)   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 35. I am content with what I have achieved in my life despite seizures.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 36. I know what my seizures look like.   * *I strongly agree (100)* * *I slightly agree (75)* * *I neither agree nor disagree (50)* * *I slightly disagree (25)* * *I strongly disagree (0)* |
| 37. I know at least one trigger for my seizures.   * *Yes (100)* * *No (0)*   37.1 If yes: please describe your trigger/s:  37.2 If yes: I can avoid this trigger/these triggers in my daily life.   * *Yes (100)* * *No (0)* |
| 38. I know how I can help myself to feel better after a seizure.   * *Yes (100)* * *No (0)*   38.1 If yes: Please describe what helps you to feel better:  38.2 I am able to make use of this strategy/these strategies in my daily life.   * *Yes (100)* * *No (0)* |
| 39. I have at least one strategy that I use at the first sign of a seizure.   * *Yes (100)* * *No (0)*   39.1 If yes: Please describe what you do:  39.2 If yes: I can shorten seizures by doing that.   * *Yes (100)* * *No (0)*   39.3 If yes: I stop myself from losing consciousness by doing that.   * *Yes (100)* * *No (0)* |
| 40. Please feel free to add any personal comments to this questionnaire: |

**Modified EASE questionnaire for Functional Neurological Disorders**

**This is a questionnaire for patients with Functional Neurological Symptom Disorder or Non-Epileptic Seizures. Please answer the questions below with the above health problem in mind:**

|  |
| --- |
| 1. In general I am able to manage my daily tasks.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 2. I can manage limitations related to my illness in my daily life.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 3. In difficult situations I can do something that helps me.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 4. I talk openly about how I feel with people who are important to me.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 5. I am aware of my own needs and wishes.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)*   5.1. I am able to stand up firmly to others about my needs and wishes.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 6. I talk openly about my illness with people who are important to me.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 7. I have informed people who I see regularly how to help me when I am struggling with my illness.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 8. In some situations I am confused about how I feel.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)* |
| 9. I am able to express how I feel if it is important to me.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 10. I feel good about myself as I am.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 11. I bottle up my feelings.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)* |
| 12. I worry about being a burden to others.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)*   12.1 I was like that even before my illness   * *More than now (3)* * *As much as now (2)* * *Less than now (1)* |
| 13. I am able to say “no” when others ask me to do things for them that I would rather not do.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 14. It is hard for me to ask others for help.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)*   14.1 I was like that even before my illness.   * *More than now (3)* * *As much as now (2)* * *Less than now (1)* |
| 15. I avoid open arguments.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)*   15.1 I was like that even before my illness.   * *More than now (3)* * *As much as now (2)* * *Less than now (1)* |
| 16. It is easy for me openly to disagree with others if I have a different opinion.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 17. I feel ashamed of my illness.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)*   17.1 I easily felt ashamed before my illness.   * *More than now (3)* * *As much as now (2)* * *Less than now (1)* |
| 18. I am capable of achieving the things that I would like to achieve.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 19. I accept the things that I cannot change.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 20. I look after my well-being in daily life.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 21. I accept that I make mistakes once in a while.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 22. I feel well-prepared for future challenges.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 23. I am still troubled by things that happened to me in the past.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)* |
| 24. I am confident when I deal with people I don’t know.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 25. I find it easy to relax.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 26. I take on too much to the point of being exhausted.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)* |
| 27.I am confident that my ability to cope with my illness will improve.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 28. My illness has changed my perspective on life.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 29. I believe that problems in life are also an opportunity to develop new skills.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 30. I am happy with the support that I receive.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 31. I am happy with the relationships that I have.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 32. There are people who I trust. I   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 33. I understand the causes of my illness.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 34. I experience exclusion and discrimination because of my illness.   * *I strongly agree (1)* * *I slightly agree (2)* * *I neither agree nor disagree (3)* * *I slightly disagree (4)* * *I strongly disagree (5)* |
| 35. I am content with what I have achieved in my life despite my illness.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 36. I know what the symptoms of my illness are.   * *I strongly agree (5)* * *I slightly agree (4)* * *I neither agree nor disagree (3)* * *I slightly disagree (2)* * *I strongly disagree (1)* |
| 37. I know at least one trigger for the symptoms of my illness.   * *Yes (1)* * *No or not applicable, my illness does not vary (0)*   37.1 If yes: please describe your trigger/s:  37.2 If yes: I can avoid this trigger/these triggers in my daily life.   * *Yes (1)* * *No (0)* |
| 38. I know how I can help myself to feel better after a flare up of my symptoms.   * *Yes (1)* * *No or not applicable, my illness does not vary (0)*   38.1 If yes: Please describe what helps you to feel better:  38.2 I am able to make use of this strategy/these strategies in my daily life.   * *Yes (1)* * *No or not applicable, my illness does not vary (0)* |
| 39. I have at least one strategy that I use at the first sign of my symptoms getting worse.   * *Yes (1)* * *No or not applicable, my illness does not vary (0)*   39.1 If yes: Please describe what you do:  39.2 If yes: I can reduce my symptoms by doing that.   * *Yes (1)* * *No or not applicable, my illness does not vary (0)*   39.3 If yes: I stop myself from losing consciousness by doing that.(if relevant)   * *Yes (1)* * *No or not applicable, my illness does not vary (0)* |
| 40. Please feel free to add any personal comments to this questionnaire: |

**EASE Interim Scoring**

**Scoring:**

Total score: Take the average of the items.

Note: Reverse-score items 8, 11, 12, 14, 15, 17, 23, 26, 34 (1+2+3+4+5+5.1+6+7+8R+9+10+11R+12R+13+14R+15R+16+17R+18+19+20+21+22+23R+24+25+26R+27+28+29+30+31+32+34R+35+36)/36

Seizure-related self-efficacy score: Take the average of the items. (37+37.2+38+38.2+39+39.2+39.3)/7

Change through seizures score: Take the average of the items.

(12.1+14.1+15.1+17.1+33)/5

Appendix C – EASE Supplementary Data

Table 26. Summary of patient symptom data from consultant referral letters

|  |  |
| --- | --- |
| Symptom | n (%)  **(**Overall n = 450) |
| Seizures (undefined) | 53 (11.8) |
| Sensory symptom | 5 (1.1) |
| Movement | 11 (2.4) |
| Mixed symptom | 15 (3.3) |
| Paraesthesia | 12 (2.7) |
| Speech symptoms | 7 (1.6) |
| Weakness | 23 (5.1) |

1. **Table n. Floor and ceiling effects of the items in the EASE-F**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Items | Floor effect | | Ceiling effect | |
| n | % | n | % |
| 1 | In general I am able to manage my daily tasks | 105 | 23.3 | 54 | 12.0 |
| 2 | I can manage limitations related to my illness in my daily life. | 81 | 18.0 | 43 | 9.6 |
| 3 | In difficult situations, I can do something that helps me. | 104 | 23.1 | 40 | 8.9 |
| 4 | I talk openly about how I feel with people who are important to me. | 126 | 28.0 | 124 | 27.6 |
| 5 | I am aware of my own needs and wishes. | 26 | 5.8 | 171 | 38.0 |
| 5.1 | I am able to stand up firmly to others about my needs and wishes. | 107 | 23.8 | 95 | 21.1 |
| 6 | I talk openly about my illness with people who are important to me. | 78 | 17.3 | 144 | 32.0 |
| 7 | I have informed people who I see regularly how to help me when I am struggling with my illness. | 84 | 18.7 | 120 | 26.7 |
| 8 | In some situations, I am confused about how I feel. | 211 | 46.9 | 56 | 12.4 |
| 9 | I am able to express how I feel if it is important to me. | 64 | 14.2 | 111 | 24.7 |
| 10 | I feel good about myself as I am. | 269 | 59.8 | 22 | 4.9 |
| 11 | I bottle up feelings | 214 | 47.6 | 52 | 11.6 |
| 12 | I worry about being a burden to others. | 295 | 65.6 | 41 | 9.1 |
| 13 | I am able to say “no” when others ask me to do things for them that I would rather not do. | 103 | 22.9 | 96 | 21.3 |
| 14 | It is hard for me to ask others for help. | 235 | 52.2 | 33 | 7.3 |
| 15 | I avoid open arguments. | 184 | 40.9 | 50 | 11.1 |
| 16 | It is easy for me openly to disagree with others if I have a different opinion. | 76 | 16.9 | 1077 | 23.8 |
| 17 | I feel ashamed of my illness. | 193 | 42.9 | 65 | 14.4 |
| 18 | I am capable of achieving things I would like to achieve. | 180 | 40.0 | 42 | 9.3 |
| 19 | I accept things I cannot change. | 88 | 19.6 | 72 | 16.0 |
| 20 | I look after my wellbeing in daily life. | 64 | 14.2 | 83 | 18.4 |
| 21 | I accept that I make mistakes once in a while/”occasionally”. | 31 | 6.9 | 221 | 49.1 |
| 22 | I feel well prepared for future challenges. | 166 | 36.9 | 42 | 9.3 |
| 23 | I am still troubled by things that happened to me in the past. | 262 | 58.2 | 48 | 10.7 |
| 24 | I am confident when I deal with people I do not know. | 162 | 36.0 | 65 | 14.4 |
| 25 | I find it easy to relax. | 225 | 50 | 29 | 6.4 |
| 26 | I take on too much to the point of being exhausted. | 166 | 36.9 | 41 | 9.1 |
| 27 | I am confident that my ability to cope with my illness will improve. | 84 | 18.7 | 52 | 11.6 |
| 28 | My illness has changed my perspective on life. | 20 | 4.4 | 245 | 54.4 |
| 29 | I believe that problems in life are also an opportunity to develop new skills. | 54 | 12.0 | 89 | 19.8 |
| 30 | I am happy with the support that I receive. | 102 | 22.7 | 88 | 19.6 |
| 31 | I am happy with the relationships that I have. | 47 | 10.4 | 206 | 45.8 |
| 32 | There are people who I trust. | 39 | 8.7 | 258 | 57.3 |
| 33 | I understand the causes of my illness. | 137 | 30.4 | 69 | 15.3 |
| 34 | I experience exclusion and discrimination because of my illness. | 88 | 19.6 | 85 | 18.9 |
| 35 | I am content with what I have achieved in my life despite my illness. | 87 | 19.3 | 104 | 23.1 |
| 36 | I know what my illness symptoms are. | 45 | 10.0 | 160 | 35.6 |

Appendix C – EASE Supplementary Data

Figure 15. EASE-F Scree plot analysis

![Chart, line chart

Description automatically generated](data:image/tiff;base64,TU0AKgAaMBT//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+/9zc3P+/v7//0tLS//Ly8v///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4WFhf9BQUH/X19f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0tLS/y4uLv8AAAD/AAAA/wAAAP8AAAD/PDw8//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9bW1v/AAAA/wAAAP8AAAD/AgIC/xMTE/9HR0f/u7u7//////9aWlr/AAAA/yYmJv///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0FBQf8AAAD/CAgI/05OTv9JSUn/CwsL/zAwMP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Wlpa/wAAAP8CAgL/ICAg/wAAAP8AAAD/AAAA/wkJCf/f39//Wlpa/wAAAP8mJib/////////////////////////////////////////////////////////////////w8PD/3Z2dv9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8jIyP8AAAD/AAAA/4WFhf////////////r6+v/W1tb//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1paWv8AAAD/Ghoa///////l5eX/TU1N/wAAAP8AAAD/oaGh/1paWv8AAAD/JiYm/////////////////////////////////////////////////////////////////3Z2dv8AAAD/CgoK///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////FxcX/AAAA/wAAAP9mZmb//////////////////////////////////////8LCwv9FRUX/GRkZ/wUFBf8mJib/bW1t//////97e3v/MjIy/1FRUf/BwcH/Pz8//wYGBv/8/Pz//////6ysrP82Njb/CgoK/xkZGf9aWlr/7u7u/////////////////6ysrP82Njb/CgoK/xkZGf9aWlr/7u7u//////////////////////////////////////9aWlr/AAAA/xoaGv///////////7Gxsf8AAAD/AAAA/4eHh/9aWlr/AAAA/yYmJv////////////////+7u7v/Pz8//xMTE/8LCwv/NTU1/5mZmf/+/v7//////5qamv8VFRX/AAAA/wAAAP8yMjL/XV1d/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39/xsbG/8AAAD/AAAA/0dHR//c3Nz//////////////////////56env8BAQH/AAAA/wsLC/8vLy//CQkJ/zQ0NP//////Wlpa/wAAAP8LCwv/EhIS/wAAAP8AAAD//Pz8/5GRkf8AAAD/AAAA/ykpKf8HBwf/AAAA/zo6Ov///////////5GRkf8AAAD/AAAA/ykpKf8HBwf/AAAA/zo6Ov//////////////////////////////////////Wlpa/wAAAP8aGhr///////////9mZmb/AAAA/wAAAP+urq7/Wlpa/wAAAP8mJib///////////+ampr/AAAA/wAAAP8oKCj/OTk5/wAAAP8AAAD/ZWVl//////+Wlpb/EhIS/wAAAP8AAAD/Kioq/1ZWVv////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+0tLT/Dg4O/wAAAP8AAAD/BgYG/4ODg//+/v7//////+/v7/8ODg7/AAAA/xsbG//k5OT///////v7+//i4uL//////1paWv8AAAD/AAAA/zY2Nv+0tLT/xMTE/+zs7P8MDAz/AAAA/15eXv//////vr6+/wAAAP8AAAD/zc3N/+zs7P8MDAz/AAAA/15eXv//////vr6+/wAAAP8AAAD/zc3N/////////////////////////////////1paWv8AAAD/EBAQ/5GRkf9HR0f/BAQE/wAAAP8cHBz/8vLy/1paWv8AAAD/JiYm///////u7u7/Dw8P/wAAAP8yMjL/+vr6//////9jY2P/AAAA/wAAAP/Hx8f//////3Z2dv8AAAD/CgoK/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9fX1/8vLy//AAAA/wAAAP8AAAD/U1NT//39/f+8vLz/AAAA/wAAAP9vb2////////////////////////////9aWlr/AAAA/xQUFP/v7+////////////+6urr/AAAA/wAAAP9ra2v/qKio/6CgoP8AAAD/AAAA/56env+6urr/AAAA/wAAAP9ra2v/qKio/6CgoP8AAAD/AAAA/56env////////////////////////////////9aWlr/AAAA/wAAAP8AAAD/AAAA/wAAAP8vLy//zs7O//////9aWlr/AAAA/yYmJv//////vb29/wAAAP8AAAD/fn5+////////////tLS0/wAAAP8AAAD/hoaG//////92dnb/AAAA/woKCv///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39/5KSkv8ICAj/AAAA/wAAAP/CwsL/mZmZ/wAAAP8AAAD/rKys////////////////////////////Wlpa/wAAAP8mJib/////////////////mpqa/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP+FhYX/mpqa/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP+FhYX/////////////////////////////////Wlpa/wAAAP8NDQ3/jIyM/6Ghof/FxcX//f39////////////Wlpa/wAAAP8mJib//////5ubm/8AAAD/AAAA/7CwsP///////////+fn5/8AAAD/AAAA/2VlZf//////dnZ2/wAAAP8KCgr/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////pqam/wAAAP8AAAD/dHR0/7W1tf8AAAD/AAAA/3Z2dv///////////////////////////1paWv8AAAD/JiYm/////////////////7i4uP8AAAD/AAAA/3BwcP/X19f/19fX/9fX1//X19f/7e3t/7i4uP8AAAD/AAAA/3BwcP/X19f/19fX/9fX1//X19f/7e3t/////////////////////////////////1paWv8AAAD/Ghoa/////////////////////////////////1paWv8AAAD/JiYm//////+1tbX/AAAA/wAAAP+Kior////////////ExMT/AAAA/wAAAP9/f3///////3Z2dv8AAAD/CQkJ///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////t7e3/3t7e/////////////////6Ojo/8AAAD/AAAA/35+fv/l5eX/BAQE/wAAAP8iIiL/9PT0//////////////////////9aWlr/AAAA/yYmJv/////////////////o6Oj/BwcH/wAAAP8mJib/8/Pz//////////////////b29v/o6Oj/BwcH/wAAAP8mJib/8/Pz//////////////////b29v////////////////////////////////9aWlr/AAAA/xoaGv////////////////////////////////9aWlr/AAAA/yYmJv//////5eXl/wQEBP8AAAD/R0dH////////////g4OD/wAAAP8AAAD/s7Oz//////+Ghob/AAAA/wAAAP/f39//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////tLS0/wAAAP8dHR3/XFxc/1VVVf8NDQ3/AAAA/xgYGP/w8PD//////3d3d/8AAAD/AAAA/yMjI/9mZmb/RUVF/zU1Nf//////Wlpa/wAAAP8mJib//////////////////////4ODg/8AAAD/AAAA/wgICP9LS0v/RUVF/xEREf96enr//////4ODg/8AAAD/AAAA/wgICP9LS0v/RUVF/xEREf96enr/////////////////////////////////Wlpa/wAAAP8aGhr/////////////////////////////////Wlpa/wAAAP8mJib///////////93d3f/AAAA/wAAAP9WVlb/SUlJ/wAAAP8AAAD/QEBA////////////09PT/wAAAP8AAAD/KCgo/2pqav///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7u7u/8EBAT/AAAA/wAAAP8AAAD/AAAA/y8vL//BwcH////////////8/Pz/ioqK/xAQEP8AAAD/AAAA/wMDA/89PT3//////1tbW/8AAAD/Jycn///////////////////////+/v7/mZmZ/xgYGP8AAAD/AAAA/wICAv8hISH/m5ub///////+/v7/mZmZ/xgYGP8AAAD/AAAA/wICAv8hISH/m5ub/////////////////////////////////1tbW/8AAAD/Gxsb/////////////////////////////////1tbW/8AAAD/Jycn/////////////Pz8/4mJif8PDw//AAAA/wAAAP8ICAj/aGho//Dw8P////////////////94eHj/FBQU/wAAAP8LCwv//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8/+Li4v/Dw8P/wcHB/+Dg4P//////////////////////////////////////4+Pj/9nZ2f/6+vr/////////////////////////////////////////////////////////////////6urq/9bW1v/39/f/////////////////////////////////6urq/9bW1v/39/f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Hh4f/e3t7//f39//////////////////////////////////n5+f/S0tL/9PT0///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////r6+v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7////////////////////////////+/v7//////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zMzM/2BgYP8gICD/wsLC/////////////////9nZ2f8yMjL/ExMT/1JSUv/09PT///////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8fHx/+tra3/Dw8P/8LCwv////////////////9BQUH/lJSU//39/f9YWFj/gYGB////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////xUVFf/CwsL////////////39/f/Dw8P//f39///////wMDA/z8/P////////////////////////////2BgYP+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf+9vb3/vb29/729vf/d3d3///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8VFRX/wsLC////////////vr6+/x8fH////////////+Dg4P8HBwf/9vb2//////////////////////9gYGD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/8PDw//Dw8P/w8PD/9/f3////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////FRUV/8LCwv///////////7W1tf8iIiL////////////i4uL/AwMD//Ly8v//////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////xUVFf/CwsL////////////x8fH/Dw8P//z8/P//////x8fH/zU1Nf///////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8VFRX/wsLC/////////////////zU1Nf+xsbH//////25ubv91dXX///////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5iYmP8aGhr/AgIC/xQUFP9PT0////////////++vr7/FxcX/zIyMv8qKir/5OTk////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////j4+P/d3d3//v7+/////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39/+cnJz/ZGhr/4yMjP/X19f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5/8lKy//EDFG/wpSg/8ILUX/BAYI/6GjpP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9FS0//DEBj/xGS6P8Rkuj/EZLo/w55wP8NExf/4+Pj////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////BAYI/w57xP8Rkuj/EZLo/xGS6P8Rkuj/ET5c/5ycnP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wkPE/8Rkuj/EZLo/xGS6P8Rkuj/EZLo/ws7W/+MjIz///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8ZHyP/DXK1/xGS6P8Rkuj/EZLo/xCJ2f8ECAv/v7+/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////tLS0/wwVGv8JUH//EIfW/w+Ay/8JLUT/Sk9T/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7//DBMX/wABAv8BBgr/Ky4w//f39/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP8AAAD/AAAA/0RERP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////94eHj/AAAA/wAAAP80NDT//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////iIiI/wAAAP8AAAD/ICAg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6CgoP8AAAD/AAAA/wQEBP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+4uLj/AAAA/wAAAP8AAAD/8/Pz/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////w8PD/wAAAP8AAAD/AAAA/9/f3/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8AAAD/AAAA/wAAAP/Hx8f/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////z8/P/AAAA/wAAAP8AAAD/uLi4/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wQEBP8AAAD/AAAA/6CgoP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8gICD/AAAA/wAAAP+IiIj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////NDQ0/wAAAP8AAAD/eHh4/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0RERP8AAAD/AAAA/2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/AAAA/wAAAP9ISEj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////dHR0/wAAAP8AAAD/ODg4/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4SEhP8AAAD/AAAA/yAgIP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+goKD/AAAA/wAAAP8ICAj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////sLCw/wAAAP8AAAD/AAAA//f39////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/8AAAD/AAAA/wAAAP/f39////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//AAAA/wAAAP8AAAD/y8vL////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/wAAAP8AAAD/AAAA/7y8vP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8AAAD/AAAA/wAAAP+goKD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ICAg/wAAAP8AAAD/jIyM////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zAwMP8AAAD/AAAA/3x8fP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9AQED/AAAA/wAAAP9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/wAAAP8AAAD/TExM//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v//////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////3BwcP8AAAD/AAAA/zw8PP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4+Pj/1JSUv8WFhb/NTU1/8bGxv///////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+AgID/AAAA/wAAAP8gICD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2ZmZv90dHT//v7+/4qKiv9FRUX///////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////oKCg/wAAAP8AAAD/DAwM//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9hYWH/SkpK//b29v97e3v/bGxs////////////////////////////YGBg/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/5qamv8AAAD/AAAA/wAAAP/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk/+Tk5P/k5OT/5OTk//Hx8f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5+fn/xQUFP8bGxv/ODg4//v7+////////////////////////////2BgYP/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf+Xl5f/AAAA/wAAAP8AAAD/sLCw/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/Jycn/ycnJ/8nJyf/k5OT//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////46Ojv9BQUH/cXFx/wICAv+EhIT///////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/wAAAP8AAAD/AAAA/8/Pz/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////T09P8EBAT/39/f//////+kpKT/BAQE//Ly8v//////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+vr6/8AAAD/AAAA/wAAAP+/v7/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/FBQU/7S0tP//////vLy8/w8PD//y8vL//////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////AAAA/wAAAP8AAAD/oKCg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5ycnP8bGxv/MDAw/yUlJf+jo6P///////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////xwcHP8AAAD/AAAA/5CQkP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+/97e3v//////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8sLCz/AAAA/wAAAP+AgID//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////QEBA/wAAAP8AAAD/YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1xcXP8AAAD/AAAA/1BQUP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9sbGz/AAAA/wAAAP9AQED//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////gICA/wAAAP8AAAD/ICAg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5iYmP8AAAD/AAAA/xQUFP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+oqKj/AAAA/wAAAP8AAAD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+//wAAAP8AAAD/AAAA/+Pj4/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9fX1/8AAAD/AAAA/wAAAP/T09P/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////n5+f/AAAA/wAAAP8AAAD/v7+//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wAAAP8AAAD/AAAA/6SkpP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8YGBj/AAAA/wAAAP+UlJT/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////KCgo/wAAAP8AAAD/gICA/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0BAQP8AAAD/AAAA/2RkZP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9YWFj/AAAA/wAAAP9UVFT/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ZGRk/wAAAP8AAAD/QEBA/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4CAgP8AAAD/AAAA/yQkJP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+UlJT/AAAA/wAAAP8YGBj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////pKSk/wAAAP8AAAD/AAAA/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/8AAAD/AAAA/wAAAP/n5+f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////T09P/AAAA/wAAAP8AAAD/19fX////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4+Pj/wAAAP8AAAD/AAAA/7+/v////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8AAAD/AAAA/wAAAP+oqKj///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////FBQU/wAAAP8AAAD/mJiY////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////yQkJP8AAAD/AAAA/4CAgP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9AQED/AAAA/wAAAP9oaGj///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////VFRU/wAAAP8AAAD/WFhY////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP8AAAD/AAAA/0BAQP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+AgID/AAAA/wAAAP8sLCz///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////kJCQ/wAAAP8AAAD/HBwc////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6CgoP8AAAD/AAAA/wAAAP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7//AAAA/wAAAP8AAAD/6+vr//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////z8/P/wAAAP8AAAD/AAAA/9vb2///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8AAAD/AAAA/wAAAP+/v7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////AAAA/wAAAP8AAAD/rKys//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////xAQEP8AAAD/AAAA/5ycnP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8gICD/AAAA/wAAAP+AgID//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////QEBA/wAAAP8AAAD/bGxs//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0xMTP8AAAD/AAAA/2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/AAAA/wAAAP9AQED//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////fHx8/wAAAP8AAAD/MDAw//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4yMjP8AAAD/AAAA/yAgIP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+goKD/AAAA/wAAAP8AAAD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////vLy8/wAAAP8AAAD/AAAA/+/v7/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8vLy/8AAAD/AAAA/wAAAP/f39//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//AAAA/wAAAP8AAAD/v7+//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/wAAAP8AAAD/AAAA/7CwsP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8MDAz/AAAA/wAAAP+goKD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ICAg/wAAAP8AAAD/gICA/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zg4OP8AAAD/AAAA/3BwcP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9ISEj/AAAA/wAAAP9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/wAAAP8AAAD/RERE/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////3h4eP8AAAD/AAAA/zQ0NP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+IiIj/AAAA/wAAAP8gICD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////oKCg/wAAAP8AAAD/BAQE/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7i4uP8AAAD/AAAA/wAAAP/z8/P///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Hx8f/AAAA/wAAAP8AAAD/39/f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f/wAAAP8AAAD/AAAA/8PDw////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39/8AAAD/AAAA/wAAAP+0tLT///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////CAgI/wAAAP8AAAD/oKCg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wcHB/4mJif9wcHD/2NjY//////9oaGj/eXl5////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////yAgIP8AAAD/AAAA/4SEhP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/PT09/wAAAP8AAAD/AAAA/7y8vP//////Ly8v/wgICP/9/f3//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////80NDT/AAAA/wAAAP94eHj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////j4+P/wAAAP8AAAD/BAQE/wAAAP+8vLz//////2NjY/8AAAD/3t7e//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////RERE/wAAAP8AAAD/YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////y4uLv8CAgL/wsLC/8TExP8AAAD/vLy8//////9eXl7/AAAA/729vf////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f//////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP8AAAD/AAAA/0hISP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8xMTH/Dg4O//Pz8//Gxsb/AAAA/7y8vP/5+fn/EhIS/wAAAP/W1tb/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7Ozs/09PT/8SEhL/FBQU/3x8fP///////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////90dHT/AAAA/wAAAP84ODj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/wAAAP86Ojr/aGho/wAAAP9TU1P/HBwc/wAAAP8NDQ3/+vr6/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0hISP9TU1P/5ubm//Ly8v/Z2dn///////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////hISE/wAAAP8AAAD/ICAg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9bW1v8ICAj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/kJCQ/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8AAAD/ysrK//n5+f//////////////////////////////////////YGBg/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/3R0dP8AAAD/AAAA/wYGBv+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/7m5uf+5ubn/ubm5/9vb2///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////u7u7/yQkJP8AAAD/AAAA/wAAAP8JCQn/i4uL//39/f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+7u7v/AAAA/0ZGRv8XFxf/Ozs7/8bGxv///////////////////////////2BgYP/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P+srKz/AAAA/wAAAP8AAAD/7Ozs//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/09PT/9PT0//T09P/6+vr////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/1tbW/7W1tf/Ly8v/9PT0////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////tra2/wAAAP+oqKj//v7+/3l5ef9DQ0P///////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////w8PD/wAAAP8AAAD/AAAA/9/f3////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9bW1v/AwMD/wMDA/8DAwP/AwMD/wMDA/8DAwP/AwMD/wMDA//v7+/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Dw8P8DAwP/8PDw///////Jycn/CwsL//39/f//////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8AAAD/AAAA/wAAAP/Hx8f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9UVFT/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP/o6Oj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////MzMz/5ubm///////j4+P/1hYWP///////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////z8/P/AAAA/wAAAP8AAAD/uLi4////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////VFRU/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/6Ojo/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7a2tv8MDAz/JiYm/zw8PP/Q0ND///////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wAAAP8AAAD/AAAA/6CgoP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9bW1v/AwMD/wMDA/8DAwP/AwMD/t7e3/yUlJf8FBQX/pqam//v7+///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5/+Dg4P//////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8gICD/AAAA/wAAAP+MjIz////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////o6Oj/CAgI/ywsLP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////MDAw/wAAAP8AAAD/fHx8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/xsbG/8AAAD/2NjY//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0BAQP8AAAD/AAAA/2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/8mJib/JiYm/yYmJv8mJib/JSUl/wcHB/8AAAD/AAAA/87Ozv//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/AAAA/wAAAP9MTEz///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9UVFT/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/zg4OP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////cHBw/wAAAP8AAAD/PDw8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////kZGR/1paWv9aWlr/Wlpa/1paWv9aWlr/YWFh/6ioqP/09PT///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4CAgP8AAAD/AAAA/yAgIP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+goKD/AAAA/wAAAP8MDAz//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////sLCw/wAAAP8AAAD/AAAA//v7+/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+ZmZn/Dg4O/w4ODv8ODg7/Dg4O/w4ODv8ODg7/Dg4O/w4ODv8ODg7/Dg4O/w4ODv8ODg7/6urq//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/8AAAD/AAAA/wAAAP/f39//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////kpKS/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/+jo6P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//AAAA/wAAAP8AAAD/y8vL/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8TExP9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv/z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6+vr/wAAAP8AAAD/AAAA/7y8vP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/09PT//v7+//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8AAAD/AAAA/wAAAP+goKD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7//Ly8v/y8vL/8vLy/+7u7v9tbW3/AAAA/9bW1v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////HBwc/wAAAP8AAAD/kJCQ///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////u7u7/TU1N/wYGBv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP/FxcX//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ywsLP8AAAD/AAAA/4CAgP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////d3d3/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8YGBj/+/v7//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9AQED/AAAA/wAAAP9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zk5Of8AAAD/a2tr/25ubv8AAAD/g4OD/5OTk/8AAAD/iYmJ////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////XFxc/wAAAP8AAAD/UFBQ//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8pKSn/ISEh//////+6urr/AAAA/6ampv//////SEhI/woKCv/z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2xsbP8AAAD/AAAA/0BAQP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////U1NT/w0NDf/6+vr/1dXV/wAAAP9BQUH/ysrK/zg4OP8AAAD/w8PD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+AgID/AAAA/wAAAP8gICD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4SEhP8AAAD/wMDA//7+/v8lJSX/AAAA/wAAAP8AAAD/BwcH/+/v7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////nJyc/wAAAP8AAAD/EBAQ//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+lpaX/X19f/7m5uf//////ubm5/woKCv8AAAD/AwMD/3R0dP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6ysrP8AAAD/AAAA/wAAAP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////VFRU/w4ODv9mZmb/yMjI///////n5+f/sbGx/+Xl5f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7//AAAA/wAAAP8AAAD/39/f/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5WVlf8UFBT/AAAA/wAAAP8rKyv/jo6O/+rq6v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/wAAAP8AAAD/AAAA/8/Pz///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5/6urq/9JSUn/AgIC/wAAAP8FBQX/U1NT/7a2tv/+/v7//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5/8AAAD/AAAA/wAAAP+/v7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Pj4/+AgID/AQEB/wAAAP8AAAD/6Ojo//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////AAAA/wAAAP8AAAD/pKSk/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9ra2v94eHj/GRkZ/wAAAP8AAAD/AAAA/+jo6P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////xgYGP8AAAD/AAAA/5SUlP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/oqKi/z8/P/8AAAD/AAAA/wAAAP8AAAD/BwcH/1ZWVv/19fX//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8oKCj/AAAA/wAAAP+AgID/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////VlZW/wAAAP8AAAD/AAAA/wAAAP8wMDD/kpKS/+3t7f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////QEBA/wAAAP8AAAD/ZGRk/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1RUVP8AAAD/EhIS/21tbf/Pz8//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1hYWP8AAAD/AAAA/1RUVP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Tk5P/qqqq//n5+f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9oaGj/AAAA/wAAAP9AQED///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/Hx8f/qKio/6ioqP+oqKj/qKio/6ioqP+oqKj/+Pj4//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////gICA/wAAAP8AAAD/JCQk/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8zMzP8dHR3/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/+jo6P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5iYmP8AAAD/AAAA/xQUFP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9WVlb/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP/o6Oj//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+oqKj/AAAA/wAAAP8AAAD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////MjIy/wAAAP9qamr/zc3N/9fX1//X19f/19fX/9fX1//X19f//f39//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+//wAAAP8AAAD/AAAA/+Pj4////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////3V1df8AAAD/p6en////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9PT0/8AAAD/AAAA/wAAAP/X19f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////w8PD/OTk5/xsbG//S0tL//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////j4+P/AAAA/wAAAP8AAAD/v7+/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/wMDA/8AAAD/BAQE/w4ODv8ODg7/Dg4O/w4ODv8ODg7/6urq//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wAAAP8AAAD/AAAA/6ioqP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1RUVP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/+jo6P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8UFBT/AAAA/wAAAP+YmJj///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+hoaH/cnJy/3Jycv9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv/z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////JCQk/wAAAP8AAAD/gICA//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0BAQP8AAAD/AAAA/2hoaP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wcHB/4mJif9wcHD/2NjY//////9oaGj/eXl5////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9UVFT/AAAA/wAAAP9YWFj////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/PT09/wAAAP8AAAD/AAAA/7y8vP//////Ly8v/wgICP/9/f3//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ZGRk/wAAAP8AAAD/QEBA////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////j4+P/wAAAP8AAAD/BAQE/wAAAP+8vLz//////2NjY/8AAAD/3t7e//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4CAgP8AAAD/AAAA/ygoKP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////y4uLv8CAgL/wsLC/8TExP8AAAD/vLy8//////9eXl7/AAAA/729vf//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+UlJT/AAAA/wAAAP8YGBj///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8xMTH/Dg4O//Pz8//Gxsb/AAAA/7y8vP/5+fn/EhIS/wAAAP/W1tb//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////oKCg/wAAAP8AAAD/AAAA////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/wAAAP86Ojr/aGho/wAAAP9TU1P/HBwc/wAAAP8NDQ3/+vr6//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/8AAAD/AAAA/wAAAP/n5+f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9bW1v8ICAj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/kJCQ////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8//AAAA/wAAAP8AAAD/29vb////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////u7u7/yQkJP8AAAD/AAAA/wAAAP8JCQn/i4uL//39/f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f/wAAAP8AAAD/AAAA/7+/v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/1tbW/7W1tf/Ly8v/9PT0//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8AAAD/AAAA/wAAAP+srKz//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8TExP+mpqb/pqam/6ampv+mpqb/pqam/6ampv+qqqr/tLS0/9TU1P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////EBAQ/wAAAP8AAAD/nJyc//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9UVFT/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/RUVF/+Hh4f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////yAgIP8AAAD/AAAA/4CAgP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////V1dX/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP9DQ0P///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9AQED/AAAA/wAAAP9sbGz//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8vLy/8AAAD/hISE/9fX1//X19f/zMzM/yoqKv8VFRX/o6Oj/29vb/8CAgL/AAAA/9ra2v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////UFBQ/wAAAP8AAAD/XFxc//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9TU1P/FBQU///////////////////////U1NT/AAAA/0JCQv//////Ojo6/wAAAP+1tbX//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP8AAAD/AAAA/0BAQP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Kioq/wAAAP/Dw8P/////////////////zMzM/wAAAP8GBgb/9vb2/3R0dP8AAAD/r6+v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+AgID/AAAA/wAAAP8sLCz//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1JSUv8AAAD/ERER/1RUVP+Kior/a2tr/yAgIP8AAAD/CgoK//b29v9HR0f/AAAA/97e3v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////kJCQ/wAAAP8AAAD/HBwc///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////AwMD/BAQE/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/4WFhf/8/Pz/DQ0N/w8PD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6CgoP8AAAD/AAAA/wAAAP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7Ozs/8oKCj/AAAA/wAAAP8AAAD/BQUF/2ZmZv/5+fn/9/f3/6CgoP+hoaH///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+8vLz/AAAA/wAAAP8AAAD/7+/v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+/+Li4v/CwsL/z8/P//Hx8f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////y8vL/wAAAP8AAAD/AAAA/9/f3////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8AAAD/AAAA/wAAAP+/v7/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////19fX/Dg4O/w4ODv/w8PD/X19f/w4ODv8ODg7/Dg4O/w4ODv8ODg7/Dg4O/w4ODv8ODg7/6urq//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/AAAA/wAAAP8AAAD/sLCw////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9PT0/wAAAP8AAAD/7u7u/1RUVP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/+jo6P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wwMDP8AAAD/AAAA/6CgoP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////r6+v9ycnL/cnJy//f39/+hoaH/cnJy/3Jycv9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv/z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8gICD/AAAA/wAAAP+AgID//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9bW1v/Gxsb/+/v7//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////PDw8/wAAAP8AAAD/cHBw/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////3Fxcf8kJCT/5+fn//////////////////////////////////////9ERET/AAAA/+jo6P///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7W1tf8qKir/9/f3////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0xMTP8AAAD/AAAA/2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9YWFj/AAAA/+Li4v///////////ysrK/8fHx//////////////////RERE/wAAAP/o6Oj//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+bm5v8aGhr/AAAA//X19f///////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/AAAA/wAAAP9AQED/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////WFhY/wAAAP/i4uL///////////8oKCj/HBwc/////////////////0RERP8AAAD/6Ojo//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f9CQkL/jo6O/wUFBf/19fX///////////////////////////9gYGD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/bW1t/wAAAP8AAAD/Kioq/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/4ODg/+Dg4P/g4OD/7+/v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1hYWP8AAAD/4uLi////////////KCgo/xwcHP////////////////9ERET/AAAA/+jo6P////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+FhYX/TExM//////8FBQX/9fX1////////////////////////////YGBg/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/21tbf8AAAD/AAAA/xoaGv/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/83Nzf/Nzc3/zc3N/+bm5v////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9YWFj/AAAA/9nZ2f/29vb/9vb2/yYmJv8aGhr/9vb2//b29v/29vb/QUFB/wAAAP/o6Oj////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Gxsb/Dw8P/8fHx//a2tr/BAQE/9HR0f/9/f3//////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+goKD/AAAA/wAAAP8EBAT/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////WFhY/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/6Ojo////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////lJSU/y4uLv8uLi7/LCws/wAAAP8sLCz/8vLy//////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////uLi4/wAAAP8AAAD/AAAA//Pz8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1hYWP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/+jo6P////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////T09P8AAAD/9fX1////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8fHx/8AAAD/AAAA/wAAAP/f39////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+kpKT/cnJy/3Jycv9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv9ycnL/cnJy/3Jycv/z8/P////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////09PT/AAAA//b29v///////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//AAAA/wAAAP8AAAD/w8PD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/wAAAP8AAAD/AAAA/7S0tP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8ICAj/AAAA/wAAAP+goKD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ICAg/wAAAP8AAAD/hISE//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zg4OP8AAAD/AAAA/3R0dP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9ISEj/AAAA/wAAAP9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/wAAAP8AAAD/RERE//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////3R0dP8AAAD/AAAA/zQ0NP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+EhIT/AAAA/wAAAP8gICD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////oKCg/wAAAP8AAAD/CAgI//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7S0tP8AAAD/AAAA/wAAAP/39/f/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Dw8P/AAAA/wAAAP8AAAD/39/f/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f/wAAAP8AAAD/AAAA/8fHx/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8/8AAAD/AAAA/wAAAP+4uLj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////BAQE/wAAAP8AAAD/oKCg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////yAgIP8AAAD/AAAA/4iIiP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////80NDT/AAAA/wAAAP94eHj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////RERE/wAAAP8AAAD/YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP8AAAD/AAAA/0hISP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9wcHD/AAAA/wAAAP88PDz/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////gICA/wAAAP8AAAD/ICAg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6CgoP8AAAD/AAAA/wwMDP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+wsLD/AAAA/wAAAP8AAAD/+/v7////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+//wAAAP8AAAD/AAAA/9/f3////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8AAAD/AAAA/wAAAP/Ly8v///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+//AAAA/wAAAP8AAAD/vLy8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wAAAP8AAAD/AAAA/6CgoP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8gICD/AAAA/wAAAP+MjIz///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////MDAw/wAAAP8AAAD/fHx8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0BAQP8AAAD/AAAA/2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9cXFz/AAAA/wAAAP9QUFD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////bGxs/wAAAP8AAAD/QEBA////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4CAgP8AAAD/AAAA/yAgIP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+cnJz/AAAA/wAAAP8QEBD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////rKys/wAAAP8AAAD/AAAA////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/8AAAD/AAAA/wAAAP/f39///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////b29v/AAAA/wAAAP8AAAD/z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6+vr/wAAAP8AAAD/AAAA/7+/v///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8AAAD/AAAA/wAAAP+goKD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////HBwc/wAAAP8AAAD/kJCQ//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////ygoKP8AAAD/AAAA/4CAgP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9AQED/AAAA/wAAAP9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////WFhY/wAAAP8AAAD/VFRU//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2hoaP8AAAD/AAAA/0BAQP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+AgID/AAAA/wAAAP8kJCT//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////d3d3/wEIDP8BCA3/Bg0S/7+/v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////rKys/wcPE/8KWY7/DnS5/whFbf8JERf/mpuc////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/w0RE/8MZaD/EZLo/xGS6P8Rkuj/D4DL/wsQE//v7+///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/8KFBr/EZDk/xGS6P8Rkuj/EZLo/xGS6P8HJTr/WFhY/8/Pz/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8//ESIt/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/AhIc/wAAAP8AAAD/JCQk/3x8fP/Dw8P/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/xUbH/8NcrX/EZLo/xGS6P8Rkuj/DWyr/wAEBv8AAAD/AAAA/wAAAP8AAAD/AAAA/xwcHP9wcHD/w8PD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+4uLj/CAwP/wg1VP8Maaf/ClWH/wcOE/80NTf/DAwM/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8UFBT/ZGRk/7y8vP/7+/v//////8fHx/9kaGv/OUFH/3N2eP/j4+P///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9fX1/9kaGv/MTk+/1pfY//Pz8////////f39/+wsLD/XFxc/wwMDP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/FBQU/zo7PP8IERf/ClKD/wxloP8IL0n/DBAT/8vLy///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f/uLi4/2RkZP8UFBT/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAwX/DnS5/xGS6P8Rkuj/EZLo/wxnpP8eIyf//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/7y8vP9oaGj/HBwc/wAAAP8AAAD/Axkn/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/DBUa/+Pj4/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Dw8P/SEhI/wcvSf8Rkuj/EZLo/xGS6P8Rkuj/EI3h/wgPE//b29v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8LEhf/EIfW/xGS6P8Rkuj/EZLo/wtckv8NEhX//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////foGD/woWHv8JTnz/Dne8/wpZjv8BCAz/Dg4O/+vr6/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+srKz/PUVL/xMaHv8BBwv/AAAA/wAAAP9UVFT/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////VFRU/wAAAP8AAAD/AAAA/7CwsP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+vr6/8QEBD/AAAA/wAAAP8cHBz/7+/v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////oKCg/wAAAP8AAAD/AAAA/2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9MTEz/AAAA/wAAAP8AAAD/tLS0/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4+Pj/xAQEP8AAAD/AAAA/xwcHP/v7+///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+//////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+goKD/AAAA/wAAAP8AAAD/YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/ICAg/xsbG/9tbW3//Pz8////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////0hISP8AAAD/AAAA/wAAAP+/v7//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////o6Oj/+/v7//o6Oj/FxcX/6+vr////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//DAwM/wAAAP8AAAD/ICAg//Pz8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////z09Pf+CgoL///////////////////////////9gYGD/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/2lpaf8AAAD/AAAA/wAAAP9NTU3/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/tbW1/7W1tf+1tbX/2dnZ/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8HBwf8ODg7/1NTU////////////////////////////YGBg//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/Pj4+/wAAAP8AAAD/AAAA/7q6uv/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//j4+P/4+Pj/+Pj4//z8/P///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8jIyP8aGhr/uLi4/////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/8MDAz/AAAA/wAAAP8gICD/8/Pz/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////87Ozv8XFxf/vLy8//////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////lJSU/wAAAP8AAAD/AAAA/3R0dP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////j4+P8lJSX/goKC//n5+f/5+fn//Pz8////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////84ODj/AAAA/wAAAP8EBAT/x8fH///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////S0tL/AAAA/wAAAP8AAAD/AAAA/3Z2dv///////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////19fX/wgICP8AAAD/AAAA/ygoKP/39/f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+MjIz/AAAA/wAAAP8AAAD/dHR0////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/zg4OP8AAAD/AAAA/wQEBP/Hx8f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/CAgI/wAAAP8AAAD/KCgo//v7+/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4iIiP8AAAD/AAAA/wAAAP+AgID/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/MDAw/wAAAP8AAAD/BAQE/8/Pz////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/8EBAT/AAAA/wAAAP8wMDD/+/v7//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////gICA/wAAAP8AAAD/AAAA/3x8fP/n5+f/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+/8wMDD/AAAA/wEHCv8BBAb/BgsO/xMYG/+srKz//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zMzM/wEIC/8IQWj/EZDk/xCN4f8LYJn/DBce/6ysrP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6SkpP8EEBf/EZDk/xGS6P8Rkuj/EZLo/w1trv8MExj/gICA/5ycnP+8vLz/19fX//f39///////////////////////////////////////8/Pz/3F1eP8iKi//GyIn/1ZbX//r6+v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////90dHT/CUl0/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/AAEC/wAAAP8AAAD/AAAA/wAAAP8AAAD/GBgY/zQ0NP9UVFT/cHBw/5CQkP+srKz/yMjI/yYrL/8QOVX/Dne8/w1wsf8KNFD/Exgb/+vr6////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////lJSU/w8/X/8Rkuj/EZLo/xGS6P8Rkuj/DGmn/wEFCP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8DFiP/EZLo/xGS6P8Rkuj/EZLo/w5LdP9fZGf///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Pj4/8OExf/DW2u/xGS6P8Rkuj/EZDk/wcoPv8fIiX/JCQk/wgICP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BCA3/ClWH/xGS6P8Rkuj/EZLo/xGS6P8OecD/CA8U/4SEhP/b29v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////tLS0/wkND/8KITD/DEJm/w4cJf9KT1P/9/f3////////////5+fn/8vLy/+srKz/kJCQ/3BwcP9UVFT/NDQ0/xgYGP8AAAD/AQYK/wpZjv8Rkuj/EZLo/xGS6P8Rkuj/C2Kc/wEIDv8AAAD/AAAA/yQkJP98fHz/x8fH/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////n5+f/pKSk/4yMjP/Dw8P/////////////////////////////////////////////////////////////////9/f3/46Ojv8KHSr/EZDk/xGS6P8Rkuj/EZLo/wQhNP8ABAf/AAAA/wAAAP8AAAD/AAAA/wAAAP8cHBz/aGho/7y8vP/7+/v///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////VFhb/wcQFv8IR3H/C16V/w4tQv8cIib/RkZG/wgICP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/DAwM/1xcXP+oqKj/8/Pz/9/f3/9ES0//CQ0P/wwQE/9WW1//6+vr////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+oqKj/Wl9j/1BXW/+YmJj/+/v7///////z8/P/qKio/1xcXP8MDAz/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wcHB/8FCg3/C1WF/xCJ2f8OdLn/Cztb/xccH//z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/7y8vP9kZGT/HBwc/wAAAP8AAAD/AAAA/wAAAP8BBgr/BjFO/xGS6P8Rkuj/EZLo/xGS6P8LO1v/V1la/9PT0//39/f/////////////////////////////////////////////////////////////////8/Pz//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Dw8P/fHx8/yQkJP8AAAD/AQgN/w1wsf8Rkuj/EZLo/xGS6P8Rkuj/DGek/wEJDv8AAAD/AAAA/yQkJP9MTEz/cHBw/5iYmP/Dw8P/6+vr//////////////////////+/v7//JCsv/wQGCP8HCgz/T1RX/+/v7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/xggJf8NcLH/EZLo/xGS6P8Rkuj/EZLo/whFbf8BCAz/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8QEBD/ODg4/2RkZP9paWn/BgwQ/wxpp/8Rkuj/DnS5/ww6WP8mKy//+/v7/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Mjo//Dis//xCN4f8Rkuj/EZLo/xCL3f8CCxH/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQgN/wlOfP8Rkuj/EZLo/xGS6P8Rkuj/DCg7/5eXl/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/0VLT/8GDhP/CEJq/wtNeP8OHCX/Y2hr//Pz8//Ly8v/qKio/3x8fP9UVFT/MDAw/wgICP8AAAD/AAAA/wAAAP8AAAD/AAAA/wACA/8Qh9b/EZLo/xGS6P8Rkuj/EZLo/wpSg/8ABQj/KCgo/2hoaP+oqKj/5+fn////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////tLS0/29ydP95e3z/v7+/////////////////////////////////////////////29vb/7S0tP+QkJD/aGho/0BAQP8CCAv/D4LP/xGS6P8Rkuj/EZLo/xGS6P8FKUL/AAAA/wAAAP8AAAD/AAAA/wAAAP8gICD/YGBg/6CgoP/f39////////////////////////v7+/+4uLj/iIiI/6ysrP/v7+///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////cXV4/w42UP8QjeH/EZLo/xGS6P8Oe8T/AAQG/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/xwcHP9YWFj/mJiY/8bGxv8tMzf/ECY0/wtEav8JGiX/Ehcb/8PDw/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39/8+Q0f/BQsP/wlBZv8PQmP/Cg8T/4yNjv+oqKj/aGho/ygoKP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BBgr/BzdX/xGS6P8Rkuj/EZLo/wtinP8UGh7/7+/v///////////////////////////////////////////////////////////////////////z8/P/z8/P//Pz8///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7S0tP9+f4D/lJSU/9/f3///////////////////////6+vr/7CwsP9wcHD/MDAw/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/w57xP8Rkuj/EZLo/xGS6P8Rkuj/BCM4/xMTE/84ODj/WFhY/3h4eP+UlJT/tLS0/9PT0//z8/P///////////////////////Pz8/9YXF//BgkL/w4cJf8AAAD/ZGhr//Pz8////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+//tLS0/3h4eP84ODj/AwMD/wINFf8Rkuj/EZLo/xGS6P8Rkuj/EZLo/wYzUf8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/xAQEP8wMDD/UFBQ/2xsbP8uMzb/CjFK/xCL3f8Rkuj/DnnA/w0zTf9WW1////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8/8HCw3/D4DL/xGS6P8Rkuj/EZLo/xCJ2f8AAwX/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAEC/w+Cz/8Rkuj/EZLo/xGS6P8QjeH/BQ0R/5mZmf/b29v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////kpOU/w0gLf8LYpz/EZDk/xCL3f8MOVf/KzE1/4iIiP9sbGz/TExM/ywsLP8QEBD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wQdLv8Rkuj/EZLo/xGS6P8Rkuj/EZLo/wMcLP8AAAD/AAAA/wwMDP88PDz/cHBw/6SkpP/Pz8//+/v7////////////////////////////39/f/5CQkP9vcnT/pKSk//f39////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Sk5T/DxQX/wkPE/8HCgv/ZGhr//Pz8////////////////////////////+/v7//Pz8//tLS0/5SUlP90dHT/WFhY/y4uLv8DDxf/EZLo/xGS6P8Rkuj/EZLo/xCH1v8AAwX/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wgICP80NDT/aGho/5SUlP/Ly8v/qKmq/wsQE/8OQWP/CUx4/wcVHv8iJyv/4+Pj//////////////////////////////////////////////////////////////////////+ho6T/QklP/zE5Pv9xdXj/7+/v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////n5+f/+/v7////////////////////////////////////////////////////////////////////////////NTs//wpGbf8Qi93/EZLo/xGS6P8IP2T/CA4S/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEEB/8Nba7/EZLo/xGS6P8Rkuj/C0lz/y82Ov+/v7//v7+//8/Pz//f39//39/f/+/v7/////////////////////////////////9WW1//DyU0/wxloP8MZaD/CStC/xQYG//j4+P/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Pj4/8tMzf/BgsP/xA3Uf8QHyn/NTs//+fn5//v7+//v7+//5CQkP9cXFz/LCws/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8DGSf/EZLo/xGS6P8Rkuj/EZLo/xGQ5P8BBQj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8QEBD/ICAg/yAgIP8jIyP/AggM/xCN4f8Rkuj/EZLo/xGS6P8LTHf/QkhM//Pz8/////////////////////////////////////////////////////////////////////////////v7+////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/8vLy/+goKD/y8vL//v7+//////////////////////////////////39/f/y8vL/5SUlP9oaGj/NDQ0/wgICP8AAAD/Bzpc/xGS6P8Rkuj/EZLo/xGS6P8QjeH/AQUJ/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wdAZv8Rkuj/EZLo/xGS6P8Rkuj/EIfW/wEFCP8AAAD/GBgY/zw8PP9oaGj/jIyM/7CwsP/T09P/9/f3///////////////////////f39//QEZL/wcKDP8EBgj/Nz5D/9fX1/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/oqKi/woYIf8RkOT/EZLo/xGS6P8Rkuj/C2CZ/wEGCf8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8JUH//EZLo/xGS6P8Rkuj/EZLo/w55wP8BBQj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8gICD/SEhI/2xsbP+Hh4f/DhMW/w1Rf/8Qi93/D4DL/wpGbf8PFBf/4+Pj////////////////////////////////////////////////////////////////////////////9/f3////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9KT1P/DSs//wxnpP8Rkuj/DW2u/wwXHv+srKz/6+vr/9/f3//f39//y8vL/7+/v/+/v7//rKys/6CgoP+goKD/jIyM/4CAgP9eXl7/Bxci/xGQ5P8Rkuj/EZLo/xGS6P8HOlz/AQYK/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAMF/wUnPf8Rkuj/EZLo/xGS6P8Rkuj/Ckt2/ywxNP+MjIz/qKio/7+/v//f39//+/v7///////////////////////////////////////Pz8//LTM3/wYJC/8HCgz/SE5T/+Pj4////////////////////////////////////////////////////////////////////////////+/v7//Dw8P/09PT/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7/3N2eP8SFxv/AAAA/ycuM/+0tLT//////////////////////////////////////////////////////////////////////1FXW/8KGiX/ClKD/w1ytf8NRWr/Ehcb/7i4uP+srKz/iIiI/2RkZP88PDz/GBgY/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEJDv8LYJn/EZLo/xGS6P8Rkuj/EZLo/w50uf8BCA7/AAAA/wAAAP8AAAD/AAAA/wAAAP8UFBT/MDAw/0hISP9kZGT/gICA/5ycnP+bm5v/CQ4R/wtgmf8RkOT/DnnA/wo/Y/8XHB//8/Pz////////////////////////////////////////////////////////////+/v7/3d6fP8IDA//Eyk4/wQJC/8lKy//09PT//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////lpeY/z1FS/8mLTP/aW1w/+vr6//////////////////////////////////v7+//y8vL/6ioqP+EhIT/XFxc/zg4OP8GDRH/C16V/xGS6P8Rkuj/EZLo/xGS6P8KUoP/AQkO/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQgM/wc9Yf8Rkuj/EZLo/xGS6P8Rkuj/BzRS/yQkJP9AQED/TExM/2BgYP9gYGD/aGho/4CAgP+AgID/iIiI/6CgoP+goKD/pKSk/2Zoaf8KIC7/EIfW/xGS6P8Qi93/ClKD/xYcH//z8/P/////////////////////////////////////////////////////////////////z8/P/1FXW/8mLTP/SE5T/7+/v///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////sLCw/wwdKP8Qh9b/EZLo/xGS6P8QjeH/BRUf/x4gIf8YGBj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEHDP8Od7z/EZLo/xGS6P8Rkuj/EZLo/wtgmf8BCAz/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BBgr/C2Kc/xGS6P8Rkuj/EZLo/xGS6P8GKkL/FRUV/zw8PP9ISEj/YGBg/3R0dP+AgID/oKCg/6ysrP+/v7//19fX/+fn5///////uLi4/woQE/8MVof/DXK1/whFbf8HDhP/kJKT//////////////////////////////////////////////////////////////////////////////////v7+////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9rcHP/AwYI/wk4WP8LTXj/Dhwl/1tgY//////////////////f39//w8PD/6ysrP+QkJD/eHh4/1xcXP9AQED/JCQk/wgICP8BCQ7/DXK1/xGS6P8Rkuj/EZLo/xGS6P8HPF//AAQH/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAIE/xGQ5P8Rkuj/EZLo/xGS6P8Rkuj/CEdx/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wIHCv8LXpX/EZLo/xGS6P8Rkuj/D4LP/wgOEv+cnJz/v7+//9/f3//39/f////////////////////////////////////////////7+/v/hIaH/xIXG/8CAwT/GR8j/52foP////////////////////////////////////////////////////////////////////////////v7+//Pz8//uLi4/+vr6/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8fHx/+Cg4T/eXt8/7y8vP//////////////////////////////////////////////////////////////////////hIaH/w0sQf8Qi93/EZLo/xGS6P8PhNL/AgcJ/1ZWVv9gYGD/YGBg/1RUVP9AQED/QEBA/zg4OP8gICD/ICAg/xgYGP8AAAD/AAAA/wEGCv8Pfcf/EZLo/xGS6P8Rkuj/EZLo/wIUH/8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BBwz/EI3h/xGS6P8Rkuj/EZLo/xGS6P8EJTv/AAAA/wAAAP8AAAD/AAAA/wwMDP8kJCT/QEBA/1hYWP9sbGz/hISE/6CgoP+4uLj/UFRX/w0qPv8Pfcf/EI3h/wtelf8NHin/iIqL/////////////////////////////////////////////////////////////////9PT0/8lKy//EB8p/xAoOP8CAwT/bXF0//v7+///////////////////////////////////////////////////////////////////////tLS0/2Roa/9QV1v/mJiY//v7+///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+/9OU1f/BAgL/wo/Y/8NRWr/CxIX/36Bg/////////////////////////////////////////////////////////////////+GiIn/DSg6/w55wP8Rkuj/EZLo/wpZjv8OFBf/enp6/3R0dP9gYGD/RERE/zg4OP8gICD/DAwM/wAAAP8AAAD/AAAA/wAAAP8AAAD/Ag0V/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/Axgm/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8PgMv/EZLo/xGS6P8Rkuj/D4LP/wMGCf8+Pj7/QEBA/1hYWP9gYGD/YGBg/3R0dP+AgID/gICA/4yMjP+goKD/oKCg/6CgoP8RFhr/CleK/xGS6P8Rkuj/DnnA/w0oOv93eXr/////////////////////////////////////////////////////////////////Zmxv/w4cJf8KVYf/ClKD/wcZJf8mKy//8/Pz//////////////////////////////////////////////////////////////////f39/96fX//LTU7/y01O/96fX//9/f3/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/98fn//jIyM/8/Pz///////////////////////////////////////////////////////////////////////+/v7/21xdP8CAwT/ECg4/xAfKf8eIyf/z8/P////////////////////////////////////////////39/f/9PT0/+/v7//qKio/w4TFv8Nba7/EZLo/xGS6P8Rkuj/DnS5/wEEBv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8EIjb/EZLo/xGS6P8Rkuj/EZLo/xGS6P8CFSH/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AhEb/xGS6P8Rkuj/EZLo/xGS6P8PgMv/AQUH/wAAAP8AAAD/AAAA/xAQEP8gICD/ICAg/yAgIP84ODj/QEBA/0BAQP9AQED/R0dH/wMIDP8Qi93/EZLo/xGS6P8Rkuj/Czxc/0NIS/+goKD/tLS0/7+/v/+/v7//29vb/9/f3//j4+P///////////////////////f39/8lKy//EDtY/w1wsf8LYJn/CSM0/ykvM//39/f/////////////////////////////////////////////////////////////////7+/v/3d6fP85QUf/QklP/6GjpP//////////////////////////////////////////////////////////////////////////////////////4+Pj//f39/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////6+vr/7i4uP/Pz8//+/v7//////////////////////////////////////////////////////////////////////+/v7//CAwP/wg1VP8Maaf/ClmO/w0XHv+am5z/+/v7/9/f3//Hx8f/sLCw/5ycnP+AgID/aGho/1BQUP88PDz/ICAg/wgICP8AAAD/Axko/xGS6P8Rkuj/EZLo/xGS6P8Qh9b/AAME/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/whFbf8Rkuj/EZLo/xGS6P8Rkuj/EZDk/wAEBv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAEB/8IQmr/EZLo/xGS6P8Rkuj/EZLo/w55wP8BCA3/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/DAwM/yAgIP8QExX/BSAy/xGS6P8Rkuj/EZLo/xGS6P8KL0j/Q0VG/4yMjP+goKD/pKSk/7+/v/+/v7//29vb/9/f3//z8/P/////////////////6+vr/xQYG/8NPl//DGmn/wlQf/8JFR7/Vltf//////////////////////////////////////////////////////////////////////+Sk5T/DBET/wwVGv8CAwT/TlNX/+vr6///////////////////////////////////////////////////////////////////////8/Pz/6SkpP+AgID/pKSk/+/v7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9fX1/9kaGv/MTk+/1BXW/+/v7//////////////////////////////////////////////////////////////////6Ojo/xMZHP8MZaD/EZLo/xGS6P8Rkuj/Ckx3/xcdIf9gYGD/YGBg/2BgYP9ISEj/QEBA/0BAQP8sLCz/ICAg/yAgIP8UFBT/AAAA/wAAAP8EIzj/EZLo/xGS6P8Rkuj/EZLo/wxnpP8BBQf/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BBgn/CleK/xGS6P8Rkuj/EZLo/xGS6P8Od7z/AQYK/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQkO/wtgmf8Rkuj/EZLo/xGS6P8Rkuj/DGek/wEJDv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8MDAz/ICAg/w0SFf8HNVT/EZLo/xGS6P8Rkuj/EZDk/wgaJv9cXFz/gICA/4CAgP+cnJz/oKCg/6CgoP+oqKj/v7+//7+/v/+/v7//z8/P/9/f3/+AgYL/DBwo/w+Ay/8Rkuj/DnvE/ws5WP81Oz//+/v7////////////////////////////////////////////////////////////29vb/xccH/8RM0r/CEdx/wkcKf8TGBv/y8vL//////////////////////////////////////////////////////////////////v7+/96fX//Ehcb/wAAAP8fJiv/rKys////////////////////////////////////////////////////////////////////////////lpeY/zU9Q/8iKi//X2Rn/+Pj4////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Hx8f/DRET/wkgMP8JSXT/EDNK/xccH//b29v////////////////////////////////////////////////////////////z8/P/Fhse/wlOfP8Qi93/EZLo/xCJ2f8LJDX/Zmhp/7y8vP+goKD/oKCg/6CgoP+UlJT/gICA/4CAgP+AgID/bGxs/2BgYP9gYGD/PDw8/wcmOv8Rkuj/EZLo/xGS6P8Rkuj/Bztd/wYMEP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEJD/8NbKv/EZLo/xGS6P8Rkuj/EZLo/wpXiv8BCQ7/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BBgr/DXK1/xGS6P8Rkuj/EZLo/xGS6P8KUoP/AAQH/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQUI/wtinP8Rkuj/EZLo/xGS6P8Rkuj/BRoo/xcXF/8gICD/JCQk/0BAQP9AQED/QEBA/0xMTP9gYGD/YGBg/2BgYP9wcHD/gICA/xUbH/8KTnv/EZLo/xGS6P8Rkuj/C16V/xMZHf+5ubn/v7+//7+/v/+/v7//09PT/9/f3//f39//39/f/9/f3//7+/v///////////9WW1//DS1C/w+Ay/8Qi93/CleK/wsWHv+dn6D/////////////////////////////////////////////////////////////////U1hb/xAqO/8NbKv/DXCx/wgzUP8PFBf/19fX///////////////////////////////////////////////////////////////////////Hx8f/eXt8/29ydP+0tLT///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+vr6/+cnJz/dXd4/6SkpP/z8/P//////////////////////////////////////////////////////////////////////9fX1/8lKy//BAkL/xMuP/8KDxP/bXF0//v7+/////////////////////////////////////////////////////////////v7+/8wNzv/Cyo//wxloP8PgMv/DU98/w0RE//f39/////////////n5+f/39/f/9/f3/+/v7//v7+//7i4uP+goKD/oKCg/5CQkP9BQ0T/Ci9I/xGS6P8Rkuj/EZLo/xGS6P8EGij/EhQV/yAgIP8ICAj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQUI/xCH1v8Rkuj/EZLo/xGS6P8Rkuj/CEVt/wAEB/8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEFCf8RkOT/EZLo/xGS6P8Rkuj/EZLo/wdAZv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAwX/EInZ/xGS6P8Rkuj/EZLo/xGS6P8CFSH/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAEC/w+E0v8Rkuj/EZLo/xGS6P8Oe8T/AgUH/yAgIP8gICD/ICAg/yAgIP8oKCj/QEBA/0BAQP9AQED/QEBA/0BAQP9AQED/Ly8v/wEGCf8Qi93/EZLo/xGS6P8Rkuj/DFmN/x4lKv+UlJT/oKCg/7i4uP+/v7//29vb/9/f3/////////////////////////////////9zeHv/DBce/wtNeP8IQmr/BQsP/0dMT//7+/v//////////////////////////////////////////////////////////////////////6ioqP9kaGv/aW1w/7i4uP/////////////////////////////////////////////////////////////////////////////////39/f/y8vL/9vb2///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9PT0/+8vLz/6+vr////////////////////////////////////////////////////////////////////////////9/f3/3V5fP8iKi//FRsf/05TV//f39//////////////////////////////////////////////////////////////////+/v7/y0zN/8KITD/CleK/wxnpP8OMEb/LjM3//v7+//////////////////v7+//39/f/9fX1/+/v7//v7+//6CgoP+goKD/iIiI/ykvM/8KS3f/EZLo/xGS6P8Rkuj/EI3h/wIKD/8hISH/ICAg/yAgIP8gICD/CAgI/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAwX/EIvd/xGS6P8Rkuj/EZLo/xGS6P8CFSH/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/Axko/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/BCAy/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wUoQP8Rkuj/EZLo/xGS6P8Rkuj/EZLo/wIPGP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8HPWH/EZLo/xGS6P8Rkuj/EZLo/xCL3f8AAwX/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wQEBP8gICD/KCgo/0BAQP83Nzf/AwoP/xCL3f8Rkuj/EZLo/xCN4f8LKj//aWts/7+/v//T09P/39/f/9/f3///////////////////////////////////////+/v7/zk/Q/8RKjv/ClWH/whCav8FCw//W2Bj//////////////////////////////////////////////////////////////////////+Ki4z/CQ0P/xIkMf8DBgj/JSsv/9PT0///////////////////////////////////////////////////////////////////////19fX/1pfY/8qMTf/Rk5T/7i4uP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/iIqL/z1FS/89RUv/iIqL//v7+//////////////////////////////////////////////////////////////////j4+P/FBgb/wgtRf8Maaf/DGek/xAqO/9JT1P////////////////////////////////////////////f39//39/f/9/f3//T09P/QkZJ/ww4Vv8Qi93/EZLo/xGS6P8MZaD/DBEU/319ff+AgID/gICA/4CAgP9gYGD/YGBg/2BgYP9cXFz/QEBA/0BAQP9AQED/NDQ0/wIGCP8Qh9b/EZLo/xGS6P8Rkuj/DnvE/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8EIzj/EZLo/xGS6P8Rkuj/EZLo/w+E0v8AAQL/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/CEVt/xGS6P8Rkuj/EZLo/xGS6P8Oe8T/AAMF/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQYK/whCav8Rkuj/EZLo/xGS6P8Rkuj/DXCx/wEJDv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8QEBD/ICAg/yAgIP9AQED/QEBA/yosLf8GHy//EZLo/xGS6P8Rkuj/EI3h/wgbJ/9hYWH/oKCg/6CgoP+goKD/oKCg/6CgoP+0tLT/v7+//7+/v/+/v7//v7+//7+/v/+IiYr/Cxok/w+Ay/8Rkuj/EInZ/wxRf/8WHB//8/Pz////////////////////////////////////////////////////////////v7+//wsQE/8MUX//DXK1/whHcf8IERb/goWH///////////////////////////////////////////////////////////////////////Hx8f/UFdb/yoxN/9aX2P/z8/P////////////////////////////////////////////////////////////////////////////6+vr/6CgoP+EhIT/tLS0//v7+/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+vr6/9pbXD/Ji0z/z1FS/+Wl5j//////////////////////////////////////////////////////////////////////+/v7/9BR0v/BAgL/ws+X/8SMkb/FRsf/8PDw/////////////////////////////////////////////////////////////////96fX//DSIw/wtinP8RkOT/D4DL/w8sP/9maWz//////+fn5//f39//39/f/9/f3//b29v/v7+//7+/v/+/v7//v7+//7S0tP+Wlpb/CQ4S/w1sq/8Rkuj/EZLo/xGS6P8JRWz/HSMn/4CAgP+AgID/gICA/4CAgP+AgID/gICA/4CAgP+AgID/gICA/2BgYP9gYGD/S0tL/wYQF/8Qi93/EZLo/xGS6P8Rkuj/CD1g/woQFf8cHBz/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEIDv8MZaD/EZLo/xGS6P8Rkuj/EZLo/w1ytf8BCAz/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BCQ7/C16V/xGS6P8Rkuj/EZLo/xGS6P8LXpX/AQgM/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQgM/wpZjv8Rkuj/EZLo/xGS6P8Rkuj/BS9L/wAAAP8AAAD/AAAA/wAAAP8UFBT/ICAg/yAgIP8gICD/ICAg/yQkJP9AQED/QEBA/wcNEP8KVYf/EZLo/xGS6P8Rkuj/EIfW/wYNEv9wcHD/mJiY/6CgoP+wsLD/v7+//8PDw//f39//39/f//v7+/////////////////+ho6T/ChIX/wpZjv8Nba7/Bzxf/wcMD/+wsLD/////////////////////////////////////////////////////////////////vLy8/w8UF/8SPFj/CUFm/wYQFv8tMzf/6+vr////////////////////////////////////////////////////////////////////////////+/v7/+/v7/////////////////////////////////////////////////////////////////////////////////////////////v7+//7+/v/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7+/v/+MjIz/sLCw/+/v7////////////////////////////////////////////////////////////////////////////5KTlP8SFxv/BAYI/wwRE/+Ehof/+/v7/////////////////////////////////////////////////////////////////7i4uP8JDQ//CCQ3/wlQf/8RNU3/HiMn/9/f3/////////////////////////////////////////////////////////////////9rcHP/BxAW/whHcf8Maaf/DkNm/xYcH//j4+P////////////39/f/39/f/9PT0/+/v7//sLCw/6CgoP+MjIz/gICA/2hoaP8yMzT/CDdW/xGS6P8Rkuj/EZLo/xGS6P8HOFn/AQYK/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQgN/w55wP8Rkuj/EZLo/xGS6P8Rkuj/C1yS/wEIDv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8QjeH/EZLo/xGS6P8Rkuj/EZLo/wlQf/8ABQj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8ABAf/EIvd/xGS6P8Rkuj/EZLo/xGS6P8FLUj/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/xAQEP8eHh7/AgUI/wxpp/8Rkuj/EZLo/xGS6P8Od7z/BgsO/11dXf9gYGD/YGBg/3x8fP+AgID/gICA/4CAgP+AgID/gICA/4CAgP+AgID/iIiI/wgMD/8Maaf/EZLo/xGS6P8QjeH/Cz9h/0RKTf/r6+v////////////////////////////////////////////////////////////j4+P/REtP/wcKC/8GCQv/HiMn/7y8vP//////////////////////////////////////////////////////////////////////39/f/0BGS/8JDQ//BwoL/zc+Q//X19f/////////////////////////////////////////////////////////////////////////////////5+fn/+/v7////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8///////////////////////////////////////////////////////////////////////////////////////4+Pj/5CQkP9pbXD/nJyc//f39////////////////////////////////////////////////////////////////////////////7CwsP9QV1v/OUFH/3d6fP/v7+//////////////////////////////////////////////////////////////////8/Pz/xccH/8LPl//DnS5/xCL3f8NXZL/DBAT/9XV1f/f39//39/f/8fHx/+/v7//uLi4/6CgoP+goKD/iIiI/4CAgP94eHj/YGBg/yIoK/8KR3D/EZLo/xGS6P8Rkuj/EZLo/wQbK/8REhP/ICAg/xAQEP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BBwz/DnnA/xGS6P8Rkuj/EZLo/xGS6P8DHS7/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQcL/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/BB8y/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wISHP8Rkuj/EZLo/xGS6P8Rkuj/EZLo/wIVIf8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8CFSH/EZLo/xGS6P8Rkuj/EZLo/xGQ5P8ABAb/AAAA/wAAAP8YGBj/JCQk/0BAQP9MTEz/YGBg/3h4eP+EhIT/oKCg/6ysrP+5ubn/GR8j/wtIcf8QjeH/EIvd/wpVh/8NFRv/v7+/////////////////////////////////////////////////////////////6+vr/w0RE/8MVof/EIvd/w+Ay/8KRm3/DxQX/+Pj4/////////////////////////////////////////////////////////////////+0tLT/GR8j/wsSF/8CAwT/MDY7/9fX1////////////////////////////////////////////////////////////////////////////8fHx/+UlJT/sLCw/+/v7/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////r6+v/UVdb/wkND/8HCgz/O0JH/9fX1//////////////////////////////////////////////////////////////////j4+P/EBQX/wo9X/8OdLn/D33H/w9Gav8hJyv/9/f3///////////////////////////////////////n5+f/39/f/9/f3//f39//d3l6/wwlNv8Pfcf/EZLo/xGS6P8Maaf/CQ0Q/6ampv+goKD/oKCg/6CgoP+goKD/oKCg/4SEhP+AgID/gICA/4CAgP+AgID/dHR0/w0TF/8MZ6T/EZLo/xGS6P8Rkuj/DnnA/wEDBf8cHBz/HBwc/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8DHi//EZLo/xGS6P8Rkuj/EZLo/xGQ5P8BCxL/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/Bz1h/xGS6P8Rkuj/EZLo/xGS6P8RkOT/AQUJ/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wIUIP8Rkuj/EZLo/xGS6P8Rkuj/C2Kc/wEIDP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8YGBj/ICAg/yAgIP8gICD/ICAg/w4SFP8FKD//EZLo/xGS6P8Rkuj/EZLo/wlKdv8YHSH/RERE/2BgYP9gYGD/dHR0/4CAgP+AgID/oKCg/6CgoP+srKz/v7+//7+/v/+oqKj/ChEV/w1trv8Rkuj/D4TS/wpIcf8VGx//7+/v////////////////////////////////////////////////////////////9/f3/0pPU/8OHCX/D0Jj/woaJf8MERP/vLy8////////////////////////////////////////////////////////////////////////////29vb/7S0tP/T09P/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Pj4/9RV1v/Ehcb/xgeI/9fZGf/7+/v//////////////////////////////////////////////////////////////////v7+/9tcXT/AgME/w8sP/8TKTj/Fhwf/8fHx//////////////////////////////////////////////////////////////////Hx8f/CxAT/wczUP8MZ6T/C1yS/wwXHv+QkpP//////////////////////+fn5//f39//z8/P/7+/v/+8vLz/oKCg/6CgoP98fHz/Bw0Q/w57xP8Rkuj/EZLo/xGS6P8MZ6T/BAgK/z4+Pv9AQED/QEBA/0BAQP9AQED/PDw8/yAgIP8gICD/ICAg/yAgIP8gICD/GBgY/wQVIf8RkOT/EZLo/xGS6P8Rkuj/C2Kc/wEFCP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8JUH//EZLo/xGS6P8Rkuj/EZLo/xCJ2f8AAwX/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8BCQ//C2Kc/xGS6P8Rkuj/EZLo/xGS6P8OdLn/AQgO/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQgN/whFbf8Rkuj/EZLo/xGS6P8Rkuj/BzlZ/xAREv8gICD/ODg4/0BAQP9AQED/TExM/2BgYP9gYGD/YGBg/4CAgP+AgID/gICA/0BDRv8JKkD/EZDk/xGS6P8Rkuj/DGek/w0SFf/Ozs7////////////////////////////////////////////////////////////z8/P/Sk9T/wwVGv8TL0P/AwYI/zU7P//j4+P//////////////////////////////////////////////////////////////////////8/Pz/9pbXD/PUVL/29ydP/j4+P/////////////////////////////////////////////////////////////////////////////////6+vr/8/Pz//7+/v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/+srKz/w8PD//Pz8////////////////////////////////////////////////////////////////////////////9/f3/9kaGv/MTk+/1BXW/+/v7///////////////////////////////////////////////////////////////////////6GjpP8JDxP/Bz5i/w1wsf8KV4r/CxIX/7CwsP////////////////////////////////////////////////////////////////9BR0v/DDNN/w1ytf8Rkuj/Dne8/woXIP99f4D/v7+//6CgoP+UlJT/gICA/2xsbP9gYGD/QEBA/zQ0NP8gICD/DAwM/wAAAP8AAAD/CEVt/xGS6P8Rkuj/EZLo/xGS6P8LYpz/AQcM/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AQgN/wtgmf8Rkuj/EZLo/xGS6P8Rkuj/CVB//wEJDv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wEGCv8Pfcf/EZLo/xGS6P8Rkuj/EZLo/wtgmf8BCAz/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8ABAb/DW2u/xGS6P8Rkuj/EZLo/xGS6P8GMU7/AAAA/wAAAP8AAAD/ICAg/yAgIP88PDz/QEBA/1hYWP9gYGD/eHh4/4CAgP+UlJT/Njs//wkzT/8QjeH/EZLo/xCJ2f8JQ2n/KC4x/+vr6////////////////////////////////////////////////////////////6WnqP8JDxP/CVB//wtinP8HLEX/DBAT/8vLy//////////////////////////////////////////////////////////////////f39//OD5D/wkPE/8NGSL/BQcI/46PkP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////x8fH/1BXW/8qMTf/UVdb/8/Pz///////////////////////////////////////////////////////////////////////8/Pz/2Roa/8HCgz/BwwP/xMYG/+dn6D/////////////////////////////////////////////////////////////////ubm5/woRFf8OecD/EZLo/xGS6P8RkOT/CSU4/01QUv+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/25ubv8KHCj/EIfW/xGS6P8Rkuj/EI3h/wYUHv87PD3/YGBg/1RUVP9AQED/QEBA/ygoKP8gICD/GBgY/wAAAP8AAAD/AAAA/wAAAP8BCQ7/DXK1/xGS6P8Rkuj/EZLo/xGS6P8GNVT/AAMF/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAQG/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/CEJq/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8Oe8T/EZLo/xGS6P8Rkuj/EZLo/wISHP8AAAD/AAAA/wAAAP8AAAD/FBQU/yAgIP8gICD/ICAg/zQ0NP9AQED/QEBA/zw8PP8EBwn/DWyr/xGS6P8Rkuj/EZLo/wxnpP8MERT/gICA/4SEhP+goKD/oKCg/6CgoP+goKD/tLS0/7+/v/+/v7//v7+//8PDw//c3Nz/ICYq/wxKdP8RkOT/EZLo/wxpp/8OIS3/kpOU////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+vr6/////////////////////////////////////////////////////////////////////////////////+ho6T/BAYI/wonO/8NRWr/Dx8p/0pPU//7+/v/////////////////////////////////////////////////////////////////a3Bz/wMGCP8JNlT/DEhx/w4cJf9fZGf//////////////////////////////////////////////////////+vr6//f39//g4SG/wwkNf8PhNL/EZLo/xGS6P8Pfcf/BAcK/2pqav+AgID/gICA/2hoaP9gYGD/YGBg/1RUVP9AQED/QEBA/0BAQP8gICD/ICAg/wMJDf8OdLn/EZLo/xGS6P8Rkuj/EZDk/wELEv8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8CFB//EZLo/xGS6P8Rkuj/EZLo/xGS6P8FLEb/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AhQg/xGS6P8Rkuj/EZLo/xGS6P8Rkuj/Ag0V/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wINFf8RkOT/EZLo/xGS6P8Rkuj/DnnA/xMYG////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/+YmJj/jIyM/8PDw//////////////////////////////////////////////////////////////////////////////////Hx8f/goOE/4KDhP/Dw8P///////////////////////////////////////////////////////////////////////////9kaGv/AgME/wwzTf8SOlX/DRMX/52foP////////////////////////////////////////////////////////////////+dn6D/DRsl/wtinP8RkOT/EZDk/wxEaf8eJCj/vLy8/7CwsP+goKD/lJSU/4CAgP94eHj/YGBg/1xcXP9AQED/PDw8/yAgIP8eHh7/AQUI/xCL3f8Rkuj/EZLo/xGS6P8Qidn/AQUH/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wQlO/8Rkuj/EZLo/xGS6P8Rkuj/EZDk/wEJD/8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8IQmr/EZLo/xGS6P8Rkuj/EZLo/xGS6P8GCQv/7+/v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9PT0/+UlJT/pKSk/+Pj4////////////////////////////////////////////////////////////////////////////52foP8NERP/CQ8T/wYJC/9ES0//4+Pj/////////////////////////////////////////////////////////////////2Roa/8NM03/D4DL/xGS6P8RkOT/CkNp/yguMv+/v7//uLi4/6CgoP+goKD/oKCg/5SUlP+AgID/gICA/4CAgP90dHT/YGBg/1dXV/8ECg3/D4LP/xGS6P8Rkuj/EZLo/wtinP8CBgj/ICAg/yAgIP8gICD/CAgI/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8AAAD/BS5J/xGS6P8Rkuj/EZLo/xGS6P8NbKv/CQ0P////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+Pj4//z8/P////////////////////////////////////////////////////////////////////////////z8/P/Vltf/wAAAP8RJjT/DRce/0FHS//n5+f/////////////////////////////////////////////////////////////////gIKD/wsWHv8JTnz/DnvE/wtelf8OGB7/rKys///////////////////////////////////////7+/v/39/f/9/f3//f39//zs7O/w8UF/8LYJn/EZDk/xGS6P8QjeH/Cyo//21xdP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////r6+v/v7+//9vb2/////////////////////////////////////////////////////////////////////////////////+srKz/NT1D/xgeI/9DSk//x8fH///////////////////////////////////////////////////////////////////////Hx8f/FBgb/wgVHv8SOlX/DRce/1ZbX//39/f///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Pz8/+0tLT/pKSk/9PT0///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+/v7//////////////////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9nZ2f8yMjL/ExMT/1JSUv/09PT///////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9BQUH/lJSU//39/f9YWFj/gYGB////////////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f/Dw8P//f39///////wMDA/z8/P////////////////////////////2BgYP/b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//b29v/29vb/9vb2//t7e3/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////vr6+/x8fH////////////+Dg4P8HBwf/9vb2//////////////////////9gYGD/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/6Ojo/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7W1tf8iIiL////////////i4uL/AwMD//Ly8v//////////////////////YGBg///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////x8fH/Dw8P//z8/P//////x8fH/zU1Nf///////////////////////////2BgYP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zU1Nf+xsbH//////25ubv91dXX///////////////////////////9gYGD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////++vr7/FxcX/zIyMv8qKir/5OTk////////////////////////////YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////j4+P/d3d3//v7+/////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////YGBg/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////2BgYP////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9gYGD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Tk5O/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/6CgoP+goKD/oKCg/8/Pz////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9/f3/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v/+/v7//v7+//7+/v//f39/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/wsLC//b29v//////////////////////+fn5//r6+v//////////////////////////////////////////////////////9vb2////////////////////////////////////////////////////////////////////////////////////////////////////////////fX19/8LCwv/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//paWl/7m5uf/4+Pj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7Ozs//Dw8P///////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5//Nzc3////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/wsLC//b29v//////////////////////+fn5//r6+v///////////////////////////////////////////////////////Pz8/8LCwv/29vb///////////////////////n5+f/6+vr///////////////////////////////////////////////////////z8/P/CwsL/9vb2///////////////////////5+fn/+vr6//////////////////////////////////////////////////z8/P/CwsL/9vb2///////////////////////5+fn/+vr6///////////////////////////////////////////////////////8/Pz/wsLC//b29v//////////////////////+fn5//r6+v///////////////////////////////////////////////////////Pz8/8LCwv/29vb///////////////////////n5+f/6+vr///////////////////////////////////////////////////////z8/P/CwsL/9vb2///////////////////////5+fn/+vr6///////////////////////////////////////////////////////8/Pz/wsLC//b29v//////////////////////+fn5//r6+v///////////////////////////////////////////////////////Pz8/8LCwv/29vb///////////////////////n5+f/6+vr///////////////////////////////////////////////////////z8/P/CwsL/9vb2///////////////////////5+fn/+vr6///////////////////////////////////////////////////////29vb/////////////////////////////////////////////////////////////////////////////////////////////////9vb2//////////////////////////////////////////////////////////////////////////////////////////////////b29v/////////////////////////////////////////////////////////////////////////////////////////////////29vb/////////////////////////////////////////////////////////////////////////////////////////////////9vb2//////////////////////////////////////////////////////////////////////////////////////////////////b29v/////////////////////////////////////////////////////////////////////////////////////////////////29vb////////////////////////////////////////////////////////////////////////////////////////////29vb////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4+Pj/kZGR////////////////////////////t7e3/8zMzP//////////////////////////////////////////////////////8PDw/wAAAP8hISH/zc3N/////////////////5aWlv9kZGT/////////////////////////////////////////////////6+vr/wsLC//7+/v//////+Xl5f/V1dX//////76+vv9PT0///////////////////////////////////////////////////////////////////////x4eHv8WFhb/gICA//39/f/////////////////////////////////////////////////////////////////h4eH/RkZG////////////7+/v/01NTf9NTU3/TU1N/3h4eP///////////////////////////////////////////////////////////56env8fHx//BwcH/wAAAP8BAQH/CwsL/1FRUf/t7e3///////////////////////////////////////////////////////j4+P+ampr/4uLi//////////////////////+xsbH/Q0ND////////////////////////////////////////////////////////////g4OD/wkJCf8FBQX/gYGB/9nZ2f9RUVH/bGxs/+Pj4///////////////////////////////////////////////////////7Ozs/ywsLP///////////2pqav8FBQX/Dw8P/ygoKP/Pz8//////////////////////////////////////////////////+Pj4/5GRkf///////////////////////////7e3t//MzMz///////////////////////////////////////////////////////j4+P+RkZH///////////////////////////+3t7f/zMzM///////////////////////////////////////////////////////4+Pj/kZGR////////////////////////////t7e3/8zMzP//////////////////////////////////////////////////////+Pj4/5GRkf///////////////////////////7e3t//MzMz///////////////////////////////////////////////////////j4+P+RkZH///////////////////////////+3t7f/zMzM///////////////////////////////////////////////////////4+Pj/kZGR////////////////////////////t7e3/8zMzP//////////////////////////////////////////////////////+Pj4/5GRkf///////////////////////////7e3t//MzMz/////////////////////////////////////////////////+Pj4/5GRkf///////////////////////////7e3t//MzMz///////////////////////////////////////////////////////j4+P+RkZH///////////////////////////+3t7f/zMzM///////////////////////////////////////////////////////4+Pj/kZGR////////////////////////////t7e3/8zMzP//////////////////////////////////////////////////////8PDw/wAAAP8hISH/zc3N/////////////////5aWlv9kZGT///////////////////////////////////////////////////////Dw8P8AAAD/ISEh/83Nzf////////////////+Wlpb/ZGRk///////////////////////////////////////////////////////w8PD/AAAA/yEhIf/Nzc3/////////////////lpaW/2RkZP/////////////////////////////////////////////////w8PD/AAAA/yEhIf/Nzc3/////////////////lpaW/2RkZP//////////////////////////////////////////////////////8PDw/wAAAP8hISH/zc3N/////////////////5aWlv9kZGT///////////////////////////////////////////////////////Dw8P8AAAD/ISEh/83Nzf////////////////+Wlpb/ZGRk///////////////////////////////////////////////////////w8PD/AAAA/yEhIf/Nzc3/////////////////lpaW/2RkZP//////////////////////////////////////////////////////8PDw/wAAAP8hISH/zc3N/////////////////5aWlv9kZGT///////////////////////////////////////////////////////Dw8P8AAAD/ISEh/83Nzf////////////////+Wlpb/ZGRk///////////////////////////////////////////////////////w8PD/AAAA/yEhIf/Nzc3/////////////////lpaW/2RkZP/////////////////////////////////////////////////r6+v/CwsL//v7+///////5eXl/9XV1f//////vr6+/09PT///////////////////////////////////////////////////////6+vr/wsLC//7+/v//////+Xl5f/V1dX//////76+vv9PT0///////////////////////////////////////////////////////+vr6/8LCwv/+/v7///////l5eX/1dXV//////++vr7/T09P///////////////////////////////////////////////////////r6+v/CwsL//v7+///////5eXl/9XV1f//////vr6+/09PT///////////////////////////////////////////////////////6+vr/wsLC//7+/v//////+Xl5f/V1dX//////76+vv9PT0///////////////////////////////////////////////////////+vr6/8LCwv/+/v7///////l5eX/1dXV//////++vr7/T09P///////////////////////////////////////////////////////r6+v/CwsL//v7+///////5eXl/9XV1f//////vr6+/09PT//////////////////////////////////////////////////r6+v/CwsL//v7+///////5eXl/9XV1f//////vr6+/09PT///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8PDw/yoqKv///////////////////////////6Ghof9sbGz///////////////////////////////////////////////////////Dw8P8GBgb/j4+P/xcXF//Jycn////////////n5+f/KCgo/////////////////////////////////////////////////8nJyf9CQkL///////////+UlJT/YmJi///////z8/P/Gxsb//////////////////////////////////////////////////////////////////////8eHh7/2NjY/09PT/8+Pj7/4+Pj////////////////////////////////////////////////////////////yMjI/0ZGRv///////////8fHx/8sLCz/rKys/4GBgf86Ojr//////////////////////////////////////////////////////+zs7P8GBgb/tra2//v7+/+pqan/UlJS/9bW1v9SUlL/V1dX///////////////////////////////////////////////////////z8/P/DQ0N/wMDA/9kZGT/5ubm////////////rq6u/zo6Ov//////////////////////////////////////////////////////9vb2/xYWFv/Nzc3/6urq/z8/P/8ODg7/YWFh/3l5ef9cXFz//////////////////////////////////////////////////////8jIyP9GRkb//////9PT0/8hISH/5eXl//7+/v+mpqb/WVlZ//////////////////////////////////////////////////Dw8P8qKir///////////////////////////+hoaH/bGxs///////////////////////////////////////////////////////w8PD/Kioq////////////////////////////oaGh/2xsbP//////////////////////////////////////////////////////8PDw/yoqKv///////////////////////////6Ghof9sbGz///////////////////////////////////////////////////////Dw8P8qKir///////////////////////////+hoaH/bGxs///////////////////////////////////////////////////////w8PD/Kioq////////////////////////////oaGh/2xsbP//////////////////////////////////////////////////////8PDw/yoqKv///////////////////////////6Ghof9sbGz///////////////////////////////////////////////////////Dw8P8qKir///////////////////////////+hoaH/bGxs//////////////////////////////////////////////////Dw8P8qKir///////////////////////////+hoaH/bGxs///////////////////////////////////////////////////////w8PD/Kioq////////////////////////////oaGh/2xsbP//////////////////////////////////////////////////////8PDw/yoqKv///////////////////////////6Ghof9sbGz///////////////////////////////////////////////////////Dw8P8GBgb/j4+P/xcXF//Jycn////////////n5+f/KCgo///////////////////////////////////////////////////////w8PD/BgYG/4+Pj/8XFxf/ycnJ////////////5+fn/ygoKP//////////////////////////////////////////////////////8PDw/wYGBv+Pj4//FxcX/8nJyf///////////+fn5/8oKCj/////////////////////////////////////////////////8PDw/wYGBv+Pj4//FxcX/8nJyf///////////+fn5/8oKCj///////////////////////////////////////////////////////Dw8P8GBgb/j4+P/xcXF//Jycn////////////n5+f/KCgo///////////////////////////////////////////////////////w8PD/BgYG/4+Pj/8XFxf/ycnJ////////////5+fn/ygoKP//////////////////////////////////////////////////////8PDw/wYGBv+Pj4//FxcX/8nJyf///////////+fn5/8oKCj///////////////////////////////////////////////////////Dw8P8GBgb/j4+P/xcXF//Jycn////////////n5+f/KCgo///////////////////////////////////////////////////////w8PD/BgYG/4+Pj/8XFxf/ycnJ////////////5+fn/ygoKP//////////////////////////////////////////////////////8PDw/wYGBv+Pj4//FxcX/8nJyf///////////+fn5/8oKCj/////////////////////////////////////////////////ycnJ/0JCQv///////////5SUlP9iYmL///////Pz8/8bGxv//////////////////////////////////////////////////////8nJyf9CQkL///////////+UlJT/YmJi///////z8/P/Gxsb///////////////////////////////////////////////////////Jycn/QkJC////////////lJSU/2JiYv//////8/Pz/xsbG///////////////////////////////////////////////////////ycnJ/0JCQv///////////5SUlP9iYmL///////Pz8/8bGxv//////////////////////////////////////////////////////8nJyf9CQkL///////////+UlJT/YmJi///////z8/P/Gxsb///////////////////////////////////////////////////////Jycn/QkJC////////////lJSU/2JiYv//////8/Pz/xsbG///////////////////////////////////////////////////////ycnJ/0JCQv///////////5SUlP9iYmL///////Pz8/8bGxv/////////////////////////////////////////////////ycnJ/0JCQv///////////5SUlP9iYmL///////Pz8/8bGxv///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Dw8P8AAAD/BQUF/wUFBf8FBQX/BQUF/wUFBf8BAQH/LCws///////////////////////////////////////////////////////w8PD/CQkJ//////+8vLz/GRkZ/7+/v///////1NTU/ysrK//////////////////////////////////////////////////s7Oz/Ghoa//j4+P/9/f3/T09P/yMjI//m5ub/0tLS/ywsLP///////////////////////////////////////////////////////v7+/+Tk5P/k5OT/Gxsb/+Hh4f/09PT/h4eH/xQUFP+zs7P///////////////////////////////////////////////////////f39/8cHBz/7u7u//z8/P9xcXH/gICA///////AwMD/Ojo6///////////////////////////////////////////////////////T09P/NTU1////////////+Pj4/xISEv//////4eHh/xkZGf////////////////////////////////////////////////////////////b29v+qqqr/T09P/w8PD/+RkZH//Pz8/66urv86Ojr//////////////////////////////////////////////////////8/Pz/9AQED///////////9XV1f/KCgo//39/f/39/f/GRkZ///////////////////////////////////////////////////////m5ub/Jycn//n5+f+6urr/WVlZ////////////39/f/xMTE//////////////////////////////////////////////////w8PD/AAAA/wUFBf8FBQX/BQUF/wUFBf8FBQX/AQEB/ywsLP//////////////////////////////////////////////////////8PDw/wAAAP8FBQX/BQUF/wUFBf8FBQX/BQUF/wEBAf8sLCz///////////////////////////////////////////////////////Dw8P8AAAD/BQUF/wUFBf8FBQX/BQUF/wUFBf8BAQH/LCws///////////////////////////////////////////////////////w8PD/AAAA/wUFBf8FBQX/BQUF/wUFBf8FBQX/AQEB/ywsLP//////////////////////////////////////////////////////8PDw/wAAAP8FBQX/BQUF/wUFBf8FBQX/BQUF/wEBAf8sLCz///////////////////////////////////////////////////////Dw8P8AAAD/BQUF/wUFBf8FBQX/BQUF/wUFBf8BAQH/LCws///////////////////////////////////////////////////////w8PD/AAAA/wUFBf8FBQX/BQUF/wUFBf8FBQX/AQEB/ywsLP/////////////////////////////////////////////////w8PD/AAAA/wUFBf8FBQX/BQUF/wUFBf8FBQX/AQEB/ywsLP//////////////////////////////////////////////////////8PDw/wAAAP8FBQX/BQUF/wUFBf8FBQX/BQUF/wEBAf8sLCz///////////////////////////////////////////////////////Dw8P8AAAD/BQUF/wUFBf8FBQX/BQUF/wUFBf8BAQH/LCws///////////////////////////////////////////////////////w8PD/CQkJ//////+8vLz/GRkZ/7+/v///////1NTU/ysrK///////////////////////////////////////////////////////8PDw/wkJCf//////vLy8/xkZGf+/v7///////9TU1P8rKyv///////////////////////////////////////////////////////Dw8P8JCQn//////7y8vP8ZGRn/v7+////////U1NT/Kysr//////////////////////////////////////////////////Dw8P8JCQn//////7y8vP8ZGRn/v7+////////U1NT/Kysr///////////////////////////////////////////////////////w8PD/CQkJ//////+8vLz/GRkZ/7+/v///////1NTU/ysrK///////////////////////////////////////////////////////8PDw/wkJCf//////vLy8/xkZGf+/v7///////9TU1P8rKyv///////////////////////////////////////////////////////Dw8P8JCQn//////7y8vP8ZGRn/v7+////////U1NT/Kysr///////////////////////////////////////////////////////w8PD/CQkJ//////+8vLz/GRkZ/7+/v///////1NTU/ysrK///////////////////////////////////////////////////////8PDw/wkJCf//////vLy8/xkZGf+/v7///////9TU1P8rKyv///////////////////////////////////////////////////////Dw8P8JCQn//////7y8vP8ZGRn/v7+////////U1NT/Kysr/////////////////////////////////////////////////+zs7P8aGhr/+Pj4//39/f9PT0//IyMj/+bm5v/S0tL/LCws///////////////////////////////////////////////////////s7Oz/Ghoa//j4+P/9/f3/T09P/yMjI//m5ub/0tLS/ywsLP//////////////////////////////////////////////////////7Ozs/xoaGv/4+Pj//f39/09PT/8jIyP/5ubm/9LS0v8sLCz//////////////////////////////////////////////////////+zs7P8aGhr/+Pj4//39/f9PT0//IyMj/+bm5v/S0tL/LCws///////////////////////////////////////////////////////s7Oz/Ghoa//j4+P/9/f3/T09P/yMjI//m5ub/0tLS/ywsLP//////////////////////////////////////////////////////7Ozs/xoaGv/4+Pj//f39/09PT/8jIyP/5ubm/9LS0v8sLCz//////////////////////////////////////////////////////+zs7P8aGhr/+Pj4//39/f9PT0//IyMj/+bm5v/S0tL/LCws/////////////////////////////////////////////////+zs7P8aGhr/+Pj4//39/f9PT0//IyMj/+bm5v/S0tL/LCws///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////w8PD/IyMj/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9TU1P//////////////////////////////////////////////////////8PDw/wkJCf///////////7i4uP8MDAz/Ly8v/woKCv+FhYX//////////////////////////////////////////////////////0VFRf8YGBj/JiYm/y0tLf+dnZ3/BwcH/wUFBf9+fn7///////////////////////////////////////////////////////Hx8f8FBQX/BQUF/wAAAP8EBAT/BQUF/wUFBf8DAwP/Pj4+////////////////////////////////////////////////////////////ZGRk/wcHB/8bGxv/CAgI/9PT0///////wMDA/zo6Ov///////////////////////////////////////////////////////////zQ0NP+JiYn/uLi4/2FhYf9OTk7//////+Hh4f8jIyP////////////////////////////////////////////////////////////////////////////Jycn/NTU1/zMzM/97e3v/Ojo6///////////////////////////////////////////////////////9/f3/ISEh/7Gxsf+IiIj/CQkJ/z8/P/91dXX/cHBw/0pKSv///////////////////////////////////////////////////////////1paWv80NDT/e3t7/xoaGv+Ojo7/mpqa/zc3N/91dXX/////////////////////////////////////////////////8PDw/yMjI//S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/U1NT///////////////////////////////////////////////////////Dw8P8jIyP/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/1NTU///////////////////////////////////////////////////////w8PD/IyMj/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9TU1P//////////////////////////////////////////////////////8PDw/yMjI//S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/U1NT///////////////////////////////////////////////////////Dw8P8jIyP/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/1NTU///////////////////////////////////////////////////////w8PD/IyMj/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9TU1P//////////////////////////////////////////////////////8PDw/yMjI//S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/U1NT/////////////////////////////////////////////////8PDw/yMjI//S0tL/0tLS/9LS0v/S0tL/0tLS/9LS0v/U1NT///////////////////////////////////////////////////////Dw8P8jIyP/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/1NTU///////////////////////////////////////////////////////w8PD/IyMj/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9TU1P//////////////////////////////////////////////////////8PDw/wkJCf///////////7i4uP8MDAz/Ly8v/woKCv+FhYX///////////////////////////////////////////////////////Dw8P8JCQn///////////+4uLj/DAwM/y8vL/8KCgr/hYWF///////////////////////////////////////////////////////w8PD/CQkJ////////////uLi4/wwMDP8vLy//CgoK/4WFhf/////////////////////////////////////////////////w8PD/CQkJ////////////uLi4/wwMDP8vLy//CgoK/4WFhf//////////////////////////////////////////////////////8PDw/wkJCf///////////7i4uP8MDAz/Ly8v/woKCv+FhYX///////////////////////////////////////////////////////Dw8P8JCQn///////////+4uLj/DAwM/y8vL/8KCgr/hYWF///////////////////////////////////////////////////////w8PD/CQkJ////////////uLi4/wwMDP8vLy//CgoK/4WFhf//////////////////////////////////////////////////////8PDw/wkJCf///////////7i4uP8MDAz/Ly8v/woKCv+FhYX///////////////////////////////////////////////////////Dw8P8JCQn///////////+4uLj/DAwM/y8vL/8KCgr/hYWF///////////////////////////////////////////////////////w8PD/CQkJ////////////uLi4/wwMDP8vLy//CgoK/4WFhf//////////////////////////////////////////////////////RUVF/xgYGP8mJib/LS0t/52dnf8HBwf/BQUF/35+fv///////////////////////////////////////////////////////////0VFRf8YGBj/JiYm/y0tLf+dnZ3/BwcH/wUFBf9+fn7///////////////////////////////////////////////////////////9FRUX/GBgY/yYmJv8tLS3/nZ2d/wcHB/8FBQX/fn5+////////////////////////////////////////////////////////////RUVF/xgYGP8mJib/LS0t/52dnf8HBwf/BQUF/35+fv///////////////////////////////////////////////////////////0VFRf8YGBj/JiYm/y0tLf+dnZ3/BwcH/wUFBf9+fn7///////////////////////////////////////////////////////////9FRUX/GBgY/yYmJv8tLS3/nZ2d/wcHB/8FBQX/fn5+////////////////////////////////////////////////////////////RUVF/xgYGP8mJib/LS0t/52dnf8HBwf/BQUF/35+fv//////////////////////////////////////////////////////RUVF/xgYGP8mJib/LS0t/52dnf8HBwf/BQUF/35+fv//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9PT0/2hoaP////////////////////////////////////////////////////////////////////////////////////////////j4+P+Li4v/////////////////2tra/5CQkP/FxcX////////////////////////////////////////////////////////////7+/v/qamp/4mJif/k5OT//////93d3f/T09P///////////////////////////////////////////////////////////////////////////8gICD/6urq///////////////////////////////////////////////////////////////////////////////////////MzMz/k5OT/9jY2P///////////+vr6/+/v7/////////////////////////////////////////////////////////////S0tL/YmJi/xcXF/9ZWVn/1tbW///////T09P/k5OT//////////////////////////////////////////////////////////////////////////////////39/f+ampr/ExMT/zo6Ov///////////////////////////////////////////////////////////6mpqf8iIiL/FxcX/6ampv/29vb/dnZ2/1paWv/X19f////////////////////////////////////////////////////////////4+Pj/jIyM/ygoKP8GBgb/DAwM/0pKSv+NjY3/+fn5//////////////////////////////////////////////////T09P9oaGj////////////////////////////////////////////////////////////////////////////////////////////09PT/aGho////////////////////////////////////////////////////////////////////////////////////////////9PT0/2hoaP////////////////////////////////////////////////////////////////////////////////////////////T09P9oaGj////////////////////////////////////////////////////////////////////////////////////////////09PT/aGho////////////////////////////////////////////////////////////////////////////////////////////9PT0/2hoaP////////////////////////////////////////////////////////////////////////////////////////////T09P9oaGj///////////////////////////////////////////////////////////////////////////////////////T09P9oaGj////////////////////////////////////////////////////////////////////////////////////////////09PT/aGho////////////////////////////////////////////////////////////////////////////////////////////9PT0/2hoaP////////////////////////////////////////////////////////////////////////////////////////////j4+P+Li4v/////////////////2tra/5CQkP/FxcX////////////////////////////////////////////////////////////4+Pj/i4uL/////////////////9ra2v+QkJD/xcXF////////////////////////////////////////////////////////////+Pj4/4uLi//////////////////a2tr/kJCQ/8XFxf//////////////////////////////////////////////////////+Pj4/4uLi//////////////////a2tr/kJCQ/8XFxf////////////////////////////////////////////////////////////j4+P+Li4v/////////////////2tra/5CQkP/FxcX////////////////////////////////////////////////////////////4+Pj/i4uL/////////////////9ra2v+QkJD/xcXF////////////////////////////////////////////////////////////+Pj4/4uLi//////////////////a2tr/kJCQ/8XFxf////////////////////////////////////////////////////////////j4+P+Li4v/////////////////2tra/5CQkP/FxcX////////////////////////////////////////////////////////////4+Pj/i4uL/////////////////9ra2v+QkJD/xcXF////////////////////////////////////////////////////////////+Pj4/4uLi//////////////////a2tr/kJCQ/8XFxf////////////////////////////////////////////////////////////v7+/+pqan/iYmJ/+Tk5P//////3d3d/9PT0//////////////////////////////////////////////////////////////////7+/v/qamp/4mJif/k5OT//////93d3f/T09P/////////////////////////////////////////////////////////////////+/v7/6mpqf+JiYn/5OTk///////d3d3/09PT//////////////////////////////////////////////////////////////////v7+/+pqan/iYmJ/+Tk5P//////3d3d/9PT0//////////////////////////////////////////////////////////////////7+/v/qamp/4mJif/k5OT//////93d3f/T09P/////////////////////////////////////////////////////////////////+/v7/6mpqf+JiYn/5OTk///////d3d3/09PT//////////////////////////////////////////////////////////////////v7+/+pqan/iYmJ/+Tk5P//////3d3d/9PT0/////////////////////////////////////////////////////////////v7+/+pqan/iYmJ/+Tk5P//////3d3d/9PT0////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/r6+v//////////////////////////////////////////////////////////////////Pz8//z8/P///////////////////////////////////////////////////////////////////////////////////////////////////////v7+//z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4eHh/6Kiov+zs7P/8PDw///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/wsLC//b29v//////////////////////+fn5//r6+v////////////////////////////////////////////////////////////b29v///////////////////////////////////////////////////////////////////////////////////////////////////////////319ff/CwsL/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f/6Wlpf+5ubn/+Pj4////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7Ozs//Dw8P///////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5//Nzc3/////////////////////////////////////////////////////////////////////////////////4eHh/6Kiov+zs7P/8PDw///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////8/Pz/wsLC//b29v//////////////////////+fn5//r6+v//////////////////////////////////////////////////////9vb2////////////////////////////////////////////////////////////////////////////////////////////////////////////fX19/8LCwv/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//paWl/7m5uf/4+Pj/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7Ozs//Dw8P///////////////////////////////////////////////////////////////////////////////////////////////////////////+fn5//Nzc3////////////////////////////////////////////////////////////////////////////h4eH/oqKi/7Ozs//w8PD///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////z8/P/CwsL/9vb2///////////////////////5+fn/+vr6////////////////////////////////////////////////////////////9vb2////////////////////////////////////////////////////////////////////////////////////////////////////////////fX19/8LCwv/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//paWl/7m5uf/4+Pj///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////+wsLD/ISEh/xoaGv8yMjL/Li4u/xISEv82Njb/2tra///////////////////////////////////////////////////////4+Pj/kZGR////////////////////////////t7e3/8zMzP//////////////////////////////////////////////////////8PDw/wAAAP8hISH/zc3N/////////////////5aWlv9kZGT//////////////////////////////////////////////////////+vr6/8LCwv/+/v7///////l5eX/1dXV//////++vr7/T09P//////////////////////////////////////////////////////////////////////8eHh7/FhYW/4CAgP/9/f3/////////////////////////////////////////////////////////////////4eHh/0ZGRv///////////+/v7/9NTU3/TU1N/01NTf94eHj///////////////////////////////////////////////////////////+enp7/Hx8f/wcHB/8AAAD/AQEB/wsLC/9RUVH/7e3t//////////////////////////////////////////////////j4+P+ampr/4uLi//////////////////////+xsbH/Q0ND////////////////////////////////////////////////////////////g4OD/wkJCf8FBQX/gYGB/9nZ2f9RUVH/bGxs/+Pj4///////////////////////////////////////////////////////7Ozs/ywsLP///////////2pqav8FBQX/Dw8P/ygoKP/Pz8////////////////////////////////////////////////////////////+wsLD/ISEh/xoaGv8yMjL/Li4u/xISEv82Njb/2tra///////////////////////////////////////////////////////4+Pj/kZGR////////////////////////////t7e3/8zMzP//////////////////////////////////////////////////////8PDw/wAAAP8hISH/zc3N/////////////////5aWlv9kZGT/////////////////////////////////////////////////6+vr/wsLC//7+/v//////+Xl5f/V1dX//////76+vv9PT0///////////////////////////////////////////////////////////////////////x4eHv8WFhb/gICA//39/f/////////////////////////////////////////////////////////////////h4eH/RkZG////////////7+/v/01NTf9NTU3/TU1N/3h4eP///////////////////////////////////////////////////////////56env8fHx//BwcH/wAAAP8BAQH/CwsL/1FRUf/t7e3///////////////////////////////////////////////////////j4+P+ampr/4uLi//////////////////////+xsbH/Q0ND////////////////////////////////////////////////////////////g4OD/wkJCf8FBQX/gYGB/9nZ2f9RUVH/bGxs/+Pj4///////////////////////////////////////////////////////7Ozs/ywsLP///////////2pqav8FBQX/Dw8P/ygoKP/Pz8///////////////////////////////////////////////////////7CwsP8hISH/Ghoa/zIyMv8uLi7/EhIS/zY2Nv/a2tr///////////////////////////////////////////////////////j4+P+RkZH///////////////////////////+3t7f/zMzM///////////////////////////////////////////////////////w8PD/AAAA/yEhIf/Nzc3/////////////////lpaW/2RkZP//////////////////////////////////////////////////////6+vr/wsLC//7+/v//////+Xl5f/V1dX//////76+vv9PT0///////////////////////////////////////////////////////////////////////x4eHv8WFhb/gICA//39/f/////////////////////////////////////////////////////////////////h4eH/RkZG////////////7+/v/01NTf9NTU3/TU1N/3h4eP///////////////////////////////////////////////////////////56env8fHx//BwcH/wAAAP8BAQH/CwsL/1FRUf/t7e3/////////////////////////////////////////////////+Pj4/5qamv/i4uL//////////////////////7Gxsf9DQ0P////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////m5ub/Hh4e/8rKyv/////////////////7+/v/lpaW/zw8PP//////////////////////////////////////////////////////8PDw/yoqKv///////////////////////////6Ghof9sbGz///////////////////////////////////////////////////////Dw8P8GBgb/j4+P/xcXF//Jycn////////////n5+f/KCgo///////////////////////////////////////////////////////Jycn/QkJC////////////lJSU/2JiYv//////8/Pz/xsbG///////////////////////////////////////////////////////////////////////Hh4e/9jY2P9PT0//Pj4+/+Pj4////////////////////////////////////////////////////////////8jIyP9GRkb////////////Hx8f/LCws/6ysrP+BgYH/Ojo6///////////////////////////////////////////////////////s7Oz/BgYG/7a2tv/7+/v/qamp/1JSUv/W1tb/UlJS/1dXV//////////////////////////////////////////////////z8/P/DQ0N/wMDA/9kZGT/5ubm////////////rq6u/zo6Ov//////////////////////////////////////////////////////9vb2/xYWFv/Nzc3/6urq/z8/P/8ODg7/YWFh/3l5ef9cXFz//////////////////////////////////////////////////////8jIyP9GRkb//////9PT0/8hISH/5eXl//7+/v+mpqb/WVlZ///////////////////////////////////////////////////////m5ub/Hh4e/8rKyv/////////////////7+/v/lpaW/zw8PP//////////////////////////////////////////////////////8PDw/yoqKv///////////////////////////6Ghof9sbGz///////////////////////////////////////////////////////Dw8P8GBgb/j4+P/xcXF//Jycn////////////n5+f/KCgo/////////////////////////////////////////////////8nJyf9CQkL///////////+UlJT/YmJi///////z8/P/Gxsb//////////////////////////////////////////////////////////////////////8eHh7/2NjY/09PT/8+Pj7/4+Pj////////////////////////////////////////////////////////////yMjI/0ZGRv///////////8fHx/8sLCz/rKys/4GBgf86Ojr//////////////////////////////////////////////////////+zs7P8GBgb/tra2//v7+/+pqan/UlJS/9bW1v9SUlL/V1dX///////////////////////////////////////////////////////z8/P/DQ0N/wMDA/9kZGT/5ubm////////////rq6u/zo6Ov//////////////////////////////////////////////////////9vb2/xYWFv/Nzc3/6urq/z8/P/8ODg7/YWFh/3l5ef9cXFz//////////////////////////////////////////////////////8jIyP9GRkb//////9PT0/8hISH/5eXl//7+/v+mpqb/WVlZ/////////////////////////////////////////////////+bm5v8eHh7/ysrK//////////////////v7+/+Wlpb/PDw8///////////////////////////////////////////////////////w8PD/Kioq////////////////////////////oaGh/2xsbP//////////////////////////////////////////////////////8PDw/wYGBv+Pj4//FxcX/8nJyf///////////+fn5/8oKCj//////////////////////////////////////////////////////8nJyf9CQkL///////////+UlJT/YmJi///////z8/P/Gxsb//////////////////////////////////////////////////////////////////////8eHh7/2NjY/09PT/8+Pj7/4+Pj////////////////////////////////////////////////////////////yMjI/0ZGRv///////////8fHx/8sLCz/rKys/4GBgf86Ojr//////////////////////////////////////////////////////+zs7P8GBgb/tra2//v7+/+pqan/UlJS/9bW1v9SUlL/V1dX//////////////////////////////////////////////////Pz8/8NDQ3/AwMD/2RkZP/m5ub///////////+urq7/Ojo6////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////zs7O/z8/P/////////////////////////////X19f8VFRX///////////////////////////////////////////////////////Dw8P8AAAD/BQUF/wUFBf8FBQX/BQUF/wUFBf8BAQH/LCws///////////////////////////////////////////////////////w8PD/CQkJ//////+8vLz/GRkZ/7+/v///////1NTU/ysrK///////////////////////////////////////////////////////7Ozs/xoaGv/4+Pj//f39/09PT/8jIyP/5ubm/9LS0v8sLCz///////////////////////////////////////////////////////7+/v/k5OT/5OTk/xsbG//h4eH/9PT0/4eHh/8UFBT/s7Oz///////////////////////////////////////////////////////39/f/HBwc/+7u7v/8/Pz/cXFx/4CAgP//////wMDA/zo6Ov//////////////////////////////////////////////////////09PT/zU1Nf////////////j4+P8SEhL//////+Hh4f8ZGRn///////////////////////////////////////////////////////b29v+qqqr/T09P/w8PD/+RkZH//Pz8/66urv86Ojr//////////////////////////////////////////////////////8/Pz/9AQED///////////9XV1f/KCgo//39/f/39/f/GRkZ///////////////////////////////////////////////////////m5ub/Jycn//n5+f+6urr/WVlZ////////////39/f/xMTE///////////////////////////////////////////////////////zs7O/z8/P/////////////////////////////X19f8VFRX///////////////////////////////////////////////////////Dw8P8AAAD/BQUF/wUFBf8FBQX/BQUF/wUFBf8BAQH/LCws///////////////////////////////////////////////////////w8PD/CQkJ//////+8vLz/GRkZ/7+/v///////1NTU/ysrK//////////////////////////////////////////////////s7Oz/Ghoa//j4+P/9/f3/T09P/yMjI//m5ub/0tLS/ywsLP///////////////////////////////////////////////////////v7+/+Tk5P/k5OT/Gxsb/+Hh4f/09PT/h4eH/xQUFP+zs7P///////////////////////////////////////////////////////f39/8cHBz/7u7u//z8/P9xcXH/gICA///////AwMD/Ojo6///////////////////////////////////////////////////////T09P/NTU1////////////+Pj4/xISEv//////4eHh/xkZGf////////////////////////////////////////////////////////////b29v+qqqr/T09P/w8PD/+RkZH//Pz8/66urv86Ojr//////////////////////////////////////////////////////8/Pz/9AQED///////////9XV1f/KCgo//39/f/39/f/GRkZ///////////////////////////////////////////////////////m5ub/Jycn//n5+f+6urr/WVlZ////////////39/f/xMTE//////////////////////////////////////////////////Ozs7/Pz8/////////////////////////////9fX1/xUVFf//////////////////////////////////////////////////////8PDw/wAAAP8FBQX/BQUF/wUFBf8FBQX/BQUF/wEBAf8sLCz///////////////////////////////////////////////////////Dw8P8JCQn//////7y8vP8ZGRn/v7+////////U1NT/Kysr///////////////////////////////////////////////////////s7Oz/Ghoa//j4+P/9/f3/T09P/yMjI//m5ub/0tLS/ywsLP///////////////////////////////////////////////////////v7+/+Tk5P/k5OT/Gxsb/+Hh4f/09PT/h4eH/xQUFP+zs7P///////////////////////////////////////////////////////f39/8cHBz/7u7u//z8/P9xcXH/gICA///////AwMD/Ojo6///////////////////////////////////////////////////////T09P/NTU1////////////+Pj4/xISEv//////4eHh/xkZGf//////////////////////////////////////////////////////9vb2/6qqqv9PT0//Dw8P/5GRkf/8/Pz/rq6u/zo6Ov////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////v7+/8nJyf/Z2dn/7q6uv/T09P/0NDQ/62trf9BQUH/eHh4///////////////////////////////////////////////////////w8PD/IyMj/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9TU1P//////////////////////////////////////////////////////8PDw/wkJCf///////////7i4uP8MDAz/Ly8v/woKCv+FhYX///////////////////////////////////////////////////////////9FRUX/GBgY/yYmJv8tLS3/nZ2d/wcHB/8FBQX/fn5+///////////////////////////////////////////////////////x8fH/BQUF/wUFBf8AAAD/BAQE/wUFBf8FBQX/AwMD/z4+Pv///////////////////////////////////////////////////////////2RkZP8HBwf/Gxsb/wgICP/T09P//////8DAwP86Ojr///////////////////////////////////////////////////////////80NDT/iYmJ/7i4uP9hYWH/Tk5O///////h4eH/IyMj///////////////////////////////////////////////////////////////////////Jycn/NTU1/zMzM/97e3v/Ojo6///////////////////////////////////////////////////////9/f3/ISEh/7Gxsf+IiIj/CQkJ/z8/P/91dXX/cHBw/0pKSv///////////////////////////////////////////////////////////1paWv80NDT/e3t7/xoaGv+Ojo7/mpqa/zc3N/91dXX///////////////////////////////////////////////////////v7+/8nJyf/Z2dn/7q6uv/T09P/0NDQ/62trf9BQUH/eHh4///////////////////////////////////////////////////////w8PD/IyMj/9LS0v/S0tL/0tLS/9LS0v/S0tL/0tLS/9TU1P//////////////////////////////////////////////////////8PDw/wkJCf///////////7i4uP8MDAz/Ly8v/woKCv+FhYX//////////////////////////////////////////////////////0VFRf8YGBj/JiYm/y0tLf+dnZ3/BwcH/wUFBf9+fn7///////////////////////////////////////////////////////Hx8f8FBQX/BQUF/wAAAP8EBAT/BQUF/wUFBf8DAwP/Pj4+////////////////////////////////////////////////////////////ZGRk/wcHB/8bGxv/CAgI/9PT0///////wMDA/zo6Ov///////////////////////////////////////////////////////////zQ0NP+JiYn/uLi4/2FhYf9OTk7//////+Hh4f8jIyP////////////////////////////////////////////////////////////////////////////Jycn/NTU1/zMzM/97e3v/Ojo6///////////////////////////////////////////////////////9/f3/ISEh/7Gxsf+IiIj/CQkJ/z8/P/91dXX/cHBw/0pKSv///////////////////////////////////////////////////////////1paWv80NDT/e3t7/xoaGv+Ojo7/mpqa/zc3N/91dXX/////////////////////////////////////////////////+/v7/ycnJ/9nZ2f/urq6/9PT0//Q0ND/ra2t/0FBQf94eHj///////////////////////////////////////////////////////Dw8P8jIyP/0tLS/9LS0v/S0tL/0tLS/9LS0v/S0tL/1NTU///////////////////////////////////////////////////////w8PD/CQkJ////////////uLi4/wwMDP8vLy//CgoK/4WFhf///////////////////////////////////////////////////////////0VFRf8YGBj/JiYm/y0tLf+dnZ3/BwcH/wUFBf9+fn7///////////////////////////////////////////////////////Hx8f8FBQX/BQUF/wAAAP8EBAT/BQUF/wUFBf8DAwP/Pj4+////////////////////////////////////////////////////////////ZGRk/wcHB/8bGxv/CAgI/9PT0///////wMDA/zo6Ov///////////////////////////////////////////////////////////zQ0NP+JiYn/uLi4/2FhYf9OTk7//////+Hh4f8jIyP//////////////////////////////////////////////////////////////////////8nJyf81NTX/MzMz/3t7e/86Ojr/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5eXl/4GBgf9BQUH/CAgI/xMTE/9TU1P/lpaW//39/f//////////////////////////////////////////////////////9PT0/2hoaP////////////////////////////////////////////////////////////////////////////////////////////j4+P+Li4v/////////////////2tra/5CQkP/FxcX/////////////////////////////////////////////////////////////////+/v7/6mpqf+JiYn/5OTk///////d3d3/09PT////////////////////////////////////////////////////////////////////////////ICAg/+rq6v//////////////////////////////////////////////////////////////////////////////////////zMzM/5OTk//Y2Nj////////////r6+v/v7+/////////////////////////////////////////////////////////////0tLS/2JiYv8XFxf/WVlZ/9bW1v//////09PT/5OTk/////////////////////////////////////////////////////////////////////////////39/f+ampr/ExMT/zo6Ov///////////////////////////////////////////////////////////6mpqf8iIiL/FxcX/6ampv/29vb/dnZ2/1paWv/X19f////////////////////////////////////////////////////////////4+Pj/jIyM/ygoKP8GBgb/DAwM/0pKSv+NjY3/+fn5////////////////////////////////////////////////////////////5eXl/4GBgf9BQUH/CAgI/xMTE/9TU1P/lpaW//39/f//////////////////////////////////////////////////////9PT0/2hoaP////////////////////////////////////////////////////////////////////////////////////////////j4+P+Li4v/////////////////2tra/5CQkP/FxcX////////////////////////////////////////////////////////////7+/v/qamp/4mJif/k5OT//////93d3f/T09P///////////////////////////////////////////////////////////////////////////8gICD/6urq///////////////////////////////////////////////////////////////////////////////////////MzMz/k5OT/9jY2P///////////+vr6/+/v7/////////////////////////////////////////////////////////////S0tL/YmJi/xcXF/9ZWVn/1tbW///////T09P/k5OT//////////////////////////////////////////////////////////////////////////////////39/f+ampr/ExMT/zo6Ov///////////////////////////////////////////////////////////6mpqf8iIiL/FxcX/6ampv/29vb/dnZ2/1paWv/X19f////////////////////////////////////////////////////////////4+Pj/jIyM/ygoKP8GBgb/DAwM/0pKSv+NjY3/+fn5///////////////////////////////////////////////////////l5eX/gYGB/0FBQf8ICAj/ExMT/1NTU/+Wlpb//f39///////////////////////////////////////////////////////09PT/aGho////////////////////////////////////////////////////////////////////////////////////////////+Pj4/4uLi//////////////////a2tr/kJCQ/8XFxf/////////////////////////////////////////////////////////////////7+/v/qamp/4mJif/k5OT//////93d3f/T09P///////////////////////////////////////////////////////////////////////////8gICD/6urq///////////////////////////////////////////////////////////////////////////////////////MzMz/k5OT/9jY2P///////////+vr6/+/v7/////////////////////////////////////////////////////////////S0tL/YmJi/xcXF/9ZWVn/1tbW///////T09P/k5OT/////////////////////////////////////////////////////////////////////////////f39/5qamv8TExP/Ojo6//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////n5+f/+/v7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////39/f////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/r6+v//////////////////////////////////////////////////////////////////Pz8//z8/P///////////////////////////////////////////////////////////////////////////////////////////////////////v7+//z8/P////////////////////////////////////////////////////////////////////////////////////////////n5+f/+/v7//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////X19f/r6+v//////////////////////////////////////////////////////////////////Pz8//z8/P///////////////////////////////////////////////////////////////////////////////////////////////////////v7+//z8/P//////////////////////////////////////////////////////////////////////////////////////+fn5//7+/v///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////f39////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9fX1/+vr6////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////4WFhf9BQUH/X19f/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1tbW/8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP8xMTH//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1tbW/8AAAD/FxcX/+3t7f/////////////////V1dX/AAAA/w8PD/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/AAAA/yYmJv////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/AAAA/wAAAP8lJSX/JSUl/yUlJf8lJSX/T09P/////////////////////////////////////////////////////////////////////////////////////////////////8PDw/92dnb/YGBg//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/AAAA/wAAAP9bW1v/////////////////1NTU/wAAAP8ODg7/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Wlpa/wAAAP8mJib/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Wlpa/wAAAP8ODg7///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////92dnb/AAAA/woKCv//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Wlpa/wAAAP8AAAD/AAAA/7Kysv///////////9TU1P8AAAD/Dg4O/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1paWv8AAAD/JiYm/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1paWv8AAAD/Dg4O/////////////////////////////////6qqqv9cXFz/Kioq/wQEBP8VFRX/eXl5//Dw8P/////////////////CwsL/RUVF/xkZGf8FBQX/JiYm/21tbf+ampr/FRUV/wAAAP8AAAD/MjIy/11dXf///////////7u7u/8/Pz//ExMT/wsLC/81NTX/mZmZ//7+/v///////////3t7e/8yMjL/UVFR/8HBwf8/Pz//BgYG//z8/P///////////////////////////1paWv8AAAD/AAAA/wAAAP8aGhr/7+/v///////U1NT/AAAA/w4ODv///////////2hoaP8yMjL/ZWVl////////////urq6/zIyMv8yMjL/4eHh//////97e3v/MjIy/2VlZf+/v7//QUFB/woKCv9AQED/ycnJ/+zs7P9bW1v/ExMT/zU1Nf+np6f///////////9aWlr/AAAA/yYmJv/Dw8P/QkJC/wgICP8qKir/p6en/////////////////6ysrP82Njb/CgoK/xkZGf9aWlr/7u7u////////////e3t7/zIyMv9RUVH/wcHB/z8/P/8GBgb//Pz8//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/AAAA/w4ODv////////////////////////////////9MTEz/AAAA/y4uLv89PT3/AwMD/wAAAP9paWn///////////+enp7/AQEB/wAAAP8LCwv/Ly8v/wkJCf80NDT/lpaW/xISEv8AAAD/AAAA/yoqKv9WVlb//////5qamv8AAAD/AAAA/ygoKP85OTn/AAAA/wAAAP9lZWX///////////9aWlr/AAAA/wsLC/8SEhL/AAAA/wAAAP/8/Pz///////////////////////////9aWlr/AAAA/xwcHP8AAAD/AAAA/2FhYf//////1NTU/wAAAP8ODg7///////////9CQkL/AAAA/z4+Pv///////////6ioqP8AAAD/AAAA/9jY2P//////Wlpa/wAAAP8WFhb/DQ0N/wAAAP8AAAD/AAAA/ysrK/8yMjL/AAAA/wAAAP8AAAD/FBQU//39/f//////Wlpa/wAAAP8LCwv/EhIS/wAAAP8AAAD/AAAA/wAAAP+8vLz//////5GRkf8AAAD/AAAA/ykpKf8HBwf/AAAA/zo6Ov///////////1paWv8AAAD/CwsL/xISEv8AAAD/AAAA//z8/P//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Wlpa/wAAAP8DAwP/UlJS/1JSUv9SUlL/XV1d////////////xsbG/+Xl5f///////////2FhYf8AAAD/HR0d///////v7+//Dg4O/wAAAP8bGxv/5OTk///////7+/v/4uLi//////92dnb/AAAA/woKCv///////////+7u7v8PDw//AAAA/zIyMv/6+vr//////2NjY/8AAAD/AAAA/8fHx///////Wlpa/wAAAP8AAAD/NjY2/7S0tP/ExMT/////////////////////////////////Wlpa/wAAAP+Ghob/QEBA/wAAAP8AAAD/uLi4/9TU1P8AAAD/Dg4O////////////QkJC/wAAAP8+Pj7///////////+oqKj/AAAA/wAAAP/Y2Nj//////1paWv8AAAD/AAAA/1JSUv/U1NT/R0dH/wAAAP8AAAD/Jycn/8XFxf99fX3/AAAA/wAAAP/Kysr//////1paWv8AAAD/AAAA/1ZWVv/Y2Nj/hoaG/wAAAP8AAAD/SkpK/+zs7P8MDAz/AAAA/15eXv//////vr6+/wAAAP8AAAD/zc3N//////9aWlr/AAAA/wAAAP82Njb/tLS0/8TExP///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1paWv8AAAD/AAAA/wAAAP8AAAD/AAAA/w4ODv/////////////////w8PD/tLS0/5qamv9OTk7/AAAA/woKCv//////vLy8/wAAAP8AAAD/b29v////////////////////////////dnZ2/wAAAP8KCgr///////////+9vb3/AAAA/wAAAP9+fn7///////////+0tLT/AAAA/wAAAP+Ghob//////1paWv8AAAD/FBQU/+/v7////////////////////////////////////////////1paWv8AAAD/iIiI/97e3v8LCwv/AAAA/x0dHf/Gxsb/AAAA/w4ODv///////////0JCQv8AAAD/Pj4+////////////qKio/wAAAP8AAAD/2NjY//////9aWlr/AAAA/yUlJf/4+Pj//////5GRkf8AAAD/AAAA/97e3v//////09PT/wAAAP8AAAD/vLy8//////9aWlr/AAAA/xwcHP/8/Pz///////////8VFRX/AAAA/x4eHv+6urr/AAAA/wAAAP9ra2v/qKio/6CgoP8AAAD/AAAA/56env//////Wlpa/wAAAP8UFBT/7+/v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/AAAA/wsLC//j4+P/4+Pj/+Pj4//l5eX///////////+ZmZn/CwsL/wAAAP8AAAD/AAAA/wAAAP8KCgr//////5mZmf8AAAD/AAAA/6ysrP///////////////////////////3Z2dv8AAAD/CgoK////////////m5ub/wAAAP8AAAD/sLCw////////////5+fn/wAAAP8AAAD/ZWVl//////9aWlr/AAAA/yYmJv////////////////////////////////////////////////9aWlr/AAAA/4iIiP//////lZWV/wAAAP8AAAD/Ozs7/wAAAP8ODg7///////////9CQkL/AAAA/z4+Pv///////////6ioqP8AAAD/AAAA/9jY2P//////Wlpa/wAAAP8+Pj7///////////+ampr/AAAA/wAAAP/+/v7//////9zc3P8AAAD/AAAA/7y8vP//////Wlpa/wAAAP8mJib/////////////////Pz8//wAAAP8MDAz/mpqa/wAAAP8AAAD/AAAA/wAAAP8AAAD/AAAA/wAAAP+FhYX//////1paWv8AAAD/JiYm////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////Wlpa/wAAAP8ODg7////////////////////////////Pz8//BQUF/wAAAP9jY2P/xsbG/4CAgP8AAAD/CgoK//////+1tbX/AAAA/wAAAP92dnb///////////////////////////92dnb/AAAA/wkJCf///////////7W1tf8AAAD/AAAA/4qKiv///////////8TExP8AAAD/AAAA/39/f///////Wlpa/wAAAP8mJib/////////////////////////////////////////////////Wlpa/wAAAP+IiIj///////7+/v9CQkL/AAAA/wAAAP8AAAD/Dg4O////////////QkJC/wAAAP87Ozv///////////+Xl5f/AAAA/wAAAP/Y2Nj//////1paWv8AAAD/Pj4+////////////mpqa/wAAAP8AAAD//v7+///////c3Nz/AAAA/wAAAP+8vLz//////1paWv8AAAD/JiYm/////////////////xcXF/8AAAD/KCgo/7i4uP8AAAD/AAAA/3BwcP/X19f/19fX/9fX1//X19f/7e3t//////9aWlr/AAAA/yYmJv///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////1paWv8AAAD/Dg4O////////////////////////////lZWV/wAAAP8AAAD/5OTk//39/f9tbW3/AAAA/wYGBv/9/f3/5eXl/wQEBP8AAAD/IiIi//T09P//////////////////////hoaG/wAAAP8AAAD/39/f///////l5eX/BAQE/wAAAP9HR0f///////////+Dg4P/AAAA/wAAAP+zs7P//////1paWv8AAAD/JiYm/////////////////////////////////////////////////1paWv8AAAD/iIiI////////////39/f/w0NDf8AAAD/AAAA/w4ODv///////////01NTf8AAAD/EhIS//f39//IyMj/Dw8P/wAAAP8AAAD/2NjY//////9aWlr/AAAA/z4+Pv///////////5qamv8AAAD/AAAA//7+/v//////3Nzc/wAAAP8AAAD/vLy8//////9aWlr/AAAA/xcXF//w8PD//////9PT0/8AAAD/AAAA/1paWv/o6Oj/BwcH/wAAAP8mJib/8/Pz//////////////////b29v//////Wlpa/wAAAP8mJib///////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////9aWlr/AAAA/w4ODv///////////////////////////9nZ2f8AAAD/AAAA/y8vL/8nJyf/AAAA/wAAAP8AAAD/bm5u//////93d3f/AAAA/wAAAP8jIyP/ZmZm/0VFRf81NTX//////9PT0/8AAAD/AAAA/ygoKP9qamr//////3d3d/8AAAD/AAAA/1ZWVv9JSUn/AAAA/wAAAP9AQED///////////9aWlr/AAAA/yYmJv////////////////////////////////////////////////9aWlr/AAAA/4iIiP////////////////+YmJj/AAAA/wAAAP8ODg7///////////+ZmZn/AAAA/wAAAP8LCwv/AAAA/w8PD/8AAAD/AAAA/9jY2P//////Wlpa/wAAAP8+Pj7///////////+ampr/AAAA/wAAAP/+/v7//////9zc3P8AAAD/AAAA/7y8vP//////Wlpa/wAAAP8AAAD/ISEh/2pqav8eHh7/AAAA/wEBAf/R0dH//////4ODg/8AAAD/AAAA/wgICP9LS0v/RUVF/xEREf96enr//////1paWv8AAAD/JiYm////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////W1tb/wAAAP8PDw//////////////////////////////////dnZ2/w8PD/8AAAD/ICAg/6enp/8aGhr/AAAA/wsLC////////Pz8/4qKiv8QEBD/AAAA/wAAAP8DAwP/PT09////////////eHh4/xQUFP8AAAD/CwsL///////8/Pz/iYmJ/w8PD/8AAAD/AAAA/wgICP9oaGj/8PDw////////////W1tb/wAAAP8nJyf/////////////////////////////////////////////////W1tb/wAAAP+JiYn//////////////////////0VFRf8AAAD/Dw8P////////////7Ozs/0xMTP8DAwP/BQUF/1JSUv+goKD/AAAA/wAAAP/Z2dn//////1tbW/8AAAD/Pz8/////////////m5ub/wAAAP8AAAD//v7+///////d3d3/AAAA/wAAAP+9vb3//////1tbW/8AAAD/RkZG/0lJSf8AAAD/AAAA/xMTE/+wsLD////////////+/v7/mZmZ/xgYGP8AAAD/AAAA/wICAv8hISH/m5ub//////9bW1v/AAAA/ycnJ//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////29vb/3d3d/////////////Pz8/9fX1//x8fH//////////////////////+Pj4//Z2dn/+vr6///////////////////////5+fn/0tLS//T09P//////////////////////4eHh/97e3v/9/f3/////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////5ubm//Ly8v//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////7e3t/9vb2//+/v7/////////////////////////////////6urq/9bW1v/39/f//////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////wAPAQAAAwAAAAEDVQAAAQEAAwAAAAEB9wAAAQIAAwAAAAQAGjDOAQMAAwAAAAEAAQAAAQYAAwAAAAEAAgAAAQoAAwAAAAEAAQAAAREABAAAAA4AGjEOARIAAwAAAAEAAQAAARUAAwAAAAEABAAAARYAAwAAAAEAJgAAARcABAAAAA4AGjDWARwAAwAAAAEAAQAAASgAAwAAAAEAAgAAAVIAAwAAAAEAAQAAAVMAAwAAAAQAGjFGAAAAAAAIAAgACAAIAAH6eAAB+ngAAfp4AAH6eAAB+ngAAfp4AAH6eAAB+ngAAfp4AAH6eAAB+ngAAfp4AAH6eAAAd/QAAAAIAAH6gAAD9PgABe9wAAfp6AAJ5GAAC97YAA3ZUAAP08gAEc5AABPIuAAVwzAAF72oABm4IAABAAEAAQAB)

1. **Table n. Horn’s Parallel Analysis for factor retention**

|  |  |  |  |
| --- | --- | --- | --- |
| Factor | Adjusted Eigenvalue | Unadjusted Eigenvalue | Estimated Bias |
| 1 | 7.217907 | 8.259508 | 1.041600 |
| 2 | 1.023434 | 1.951517 | 0.928082 |
| 3 | 1.018897 | 1.862194 | 0.843297 |
| 4 | 0.431669 | 1.202844 | 0.771174 |
| 5 | 0.237509 | 0.944416 | 0.706906 |
| 6 | 0.189615 | 0.838450 | 0.648834 |
| 7 | 0.133213 | 0.727334 | 0.594120 |
| 8 | 0.089230 | 0.632274 | 0.543044 |
| 9 | 0.028068 | 0.522534 | 0.494465 |

*Note: 5000 iterations, using the mean estimate. Adjusted eigenvalues > 0 indicate dimensions to retain (9 factors retained).*

Appendix C – EASE Supplementary Data

Tables 30A-G. Item Distributions for Factor models

* 3 Factor:

|  |  |  |
| --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 |
| 4, 5, 5.1, 6, 7, 9, 13, 16, 30, 31, 32, 35, 36 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 1, 2, 3, 10, 18, 19, 20, 22, 24, 25, 27, 29 |

Non-loading items: 15r, 21, 28, 33, 34r

* 4 Factor:

|  |  |  |  |
| --- | --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 | Factor 4 |
| 1, 2, 3, 10, 18, 19, 20, 22, 25, 27, 29 | 4, 5, 5.1, 9, 13, 16, 24 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 6, 7, 30, 31, 32 |

Non-loading items: 15r, 21, 28, 33, 34r, 35, 36

* 5 Factor

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 |
| 5.1, 9, 13, 15, 16 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 1, 2, 3, 10, 18,19, 20, 22, 24, 25, 27 29 | 4, 6, 7, 30, 31, 32 | 28, 33, 36 |

Non-loading items: 5, 21, 34r, 35

* 6 Factor:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 6 |
| 3, 10, 18, 19, 20, 22, 24, 25, 27, 29, 33, 35 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 1, 2, 28, 36 | 30, 31, 32 | 5.1, 13, 15r, 16 | 4, 5, 6, 7, 9 |

Non-loading items: 21, 34r

* 7 Factor:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 6 | Factor 7 |
| 3, 10, 18, 19, 20, 22, 24, 25, 27, 29 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 1, 2 | 7, 30, 31, 32, | 33, 36 | 4, 5, 6, 9, 21 | 5.1, 13, 15r, 16 |

Non-loading items: 28, 34r, 35

* 8 Factor:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 6 | Factor 7 | Factor 8 |
| 5, 5.1, 9, 13 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 1,2 | 30, 31, 32, | 15r, 16 | 6, 4, 7 | 33, 36 | 3,10, 18, 19, 20, 22, 24, 25, 27, 29 |

Non-loading items: 21, 28, 34r, 35.

* 9 Factor:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 | Factor 6 | Factor 7 | Factor 8 | Factor 9 |
| 5, 5.1, 20 | 8r, 11r, 12r, 14r, 17r, 23r, 26r | 1, 2 | 30, 31, 32, 35 | 33, 36 | 4, 6, 7, 9 | 15r, 16 | 3, 10, 18, 19, 22, 24, 25, 27, 28, 29, | 13 |

Non-loading items: 21, 25, 34r.

Appendix C – EASE Supplementary Data

Table 31. Scale intercorrelations for 4-factor model

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | Self-efficacy | Self-Awareness/  Assertiveness | Illness Burden  Shame | Social Support |
| Self-efficacy | *Pearson’s*  *Sig. (2-tailed)* | 1 | .570\*\*  <.001 | .376\*\*  <.001 | .471\*\*  <.001 |
| Self-Awareness/  Assertiveness | *Pearson’s*  *Sig. (2-tailed)* | - | 1 | .419\*\*  <.001 | .622\*\*  <.001 |
| Illness Burden/Shame | *Pearson’s*  *Sig. (2-tailed)* | - | - | 1 | .259\*\*  <.001 |
| Social Support | *Pearson’s*  *Sig. (2-tailed)* | - | - | - | 1 |

Table n. EASE-F subscales intercorrelation matrix

\*\*. Correlation is significant at the 0.01 level (2-tailed).

Appendix C – EASE Supplementary Data

Table 32. Item factor loadings in the 4-factor EASE-F model

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Items** | 1 | 2 | 3 | 4 | **Uniqueness** |
| 1 | In general I am able to manage my daily tasks | 0.588 |  |  |  | 0.618 |
| 2 | I can manage limitations related to my illness in my daily life. | 0.590 |  |  |  | 0.651 |
| 3 | In difficult situations, I can do something that helps me. | 0.562 |  |  |  | 0.594 |
| 4 | I talk openly about how I feel with people who are important to me. |  | 0.401 |  |  | 0.577 |
| 5 | I am aware of my own needs and wishes. |  | 0.445 |  |  | 0.629 |
| 5.1 | I am able to stand up firmly to others about my needs and wishes. |  | 0.589 |  |  | 0.426 |
| 6 | I talk openly about my illness with people who are important to me. |  | 0.410 |  | 0.442 | 0.456 |
| 7 | I have informed people who I see regularly how to help me when I am struggling with my illness. |  |  |  | 0.447 | 0.636 |
| 8 | In some situations, I am confused about how I feel. |  |  | 0.463 |  | 0.766 |
| 9 | I am able to express how I feel if it is important to me. |  | 0.546 |  |  | 0.482 |
| 10 | I feel good about myself as I am. | 0.585 |  |  |  | 0.508 |
| 11 | I bottle up feelings |  |  | 0.512 |  | 0.665 |
| 12 | I worry about being a burden to others. |  |  | 0.641 |  | 0.549 |
| 13 | I am able to say “no” when others ask me to do things for them that I would rather not do. |  | 0.440 |  |  | 0.688 |
| 14 | It is hard for me to ask others for help. |  |  | 0.523 |  | 0.654 |
| 15 | I avoid open arguments. |  |  |  |  | 0.917 |
| 16 | It is easy for me openly to disagree with others if I have a different opinion. |  | 0.488 |  |  | 0.675 |
| 17 | I feel ashamed of my illness. |  |  | 0.478 |  | 0.617 |
| 18 | I am capable of achieving things I would like to achieve. | 0.702 |  |  |  | 0.507 |
| 19 | I accept things I cannot change. | 0.413 |  |  |  | 0.759 |
| 20 | I look after my wellbeing in daily life. | 0.413 |  |  |  | 0.601 |
| 21 | I accept that I make mistakes once in a while/”occasionally”. |  |  |  |  | 0.869 |
| 22 | I feel well prepared for future challenges. | 0.611 |  |  |  | 0.482 |
| 23 | I am still troubled by things that happened to me in the past. |  |  | 0.632 |  | 0.579 |
| 24 | I am confident when I deal with people I do not know. |  | 0.412 |  |  | 0.632 |
| 25 | I find it easy to relax. | 0.434 |  |  |  | 0.597 |
| 26 | I take on too much to the point of being exhausted. |  |  | 0.472 |  | 0.773 |
| 27 | I am confident that my ability to cope with my illness will improve. | 0.640 |  |  |  | 0.602 |
| 28 | My illness has changed my perspective on life. |  | 0.305 |  |  | 0.896 |
| 29 | I believe that problems in life are also an opportunity to develop new skills. | 0.474 |  |  |  | 0.714 |
| 30 | I am happy with the support that I receive. |  |  |  | 0.406 | 0.630 |
| 31 | I am happy with the relationships that I have. |  |  |  | 0.692 | 0.522 |
| 32 | There are people who I trust. |  |  |  | 0.617 | 0.591 |
| 33 | I understand the causes of my illness. |  |  |  |  | 0.897 |
| 34 | I experience exclusion and discrimination because of my illness. |  |  | 0.303 |  | 0.807 |
| 35 | I am content with what I have achieved in my life despite my illness. |  |  |  |  | 0.727 |
| 36 | I know what my illness symptoms are. |  | 0.337 |  |  | 0.885 |

Appendix C – EASE Supplementary Data

Table 33. Goodness of fit for adjusted EASE-F model

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Factor model | X2 | df | p-value (chi-square) | CFI | TLI | SRMR | RMSEA | RMSEA 90% CI |
| **Lower** | **Upper** |
|  |  |  |  | *>0.90 – acceptable*  *>0.95 – good* | *>0.90 – acceptable*  *>0.95 – good* | *(< 0.07 indicates good fit)* | *(< 0.06 indicates good fit)* |  |  |
| Original model | 762.237 | 399 | 0.000 | 0.850 | 0.836 | 0.071 | 0.064 | 0.057 | 0.070 |
| Model 1 – EASE-F\_1 ~~ EASE-F\_2 | 672.2 | 397 | 0.000 | 0.886 | 0.875 | 0.068 | 0.056 | 0.048 | 0.063 |
| Model 2 – item 1 dropped | 674.3 | 371 | 0.000 | 0.867 | 0.855 | 0.070 | 0.060 | 0.053 | 0.067 |
| Model 2 – item 2 dropped | 674.3 | 371 | 0.000 | 0.867 | 0.855 | 0.070 | 0.060 | 0.053 | 0.067 |
| Model 3 – EASE-F\_31 ~~ EASE-F\_32 | 641.1 | 370 | 0.000 | 0.881 | 0.870 | 0.069 | 0.057 | 0.050 | 0.064 |
| Model 4 – item 1 & 31 dropped | 596.9 | 344 | 0.000 | 0.884 | 0.872 | 0.069 | 0.057 | 0.049 | 0.065 |
| Model 5 – item 1 & 32 dropped | 614.1 | 344 | 0.000 | 0.877 | 0.865 | 0.069 | 0.059 | 0.051 | 0.066 |
| Model 6 – Item 1 dropped  EASE-F\_27 ~~ EASE-F\_29 | 654.9 | 370 | 0.000 | 0.875 | 0.863 | 0.069 | 0.059 | 0.051 | 0.066 |
| Model 7 – Item 1 & 27 dropped | 615.5 | 344 | 0.000 | 0.875 | 0.863 | 0.069 | 0.059 | 0.052 | 0.067 |
| Model 8 – Item 1 & 29 dropped | 617.6 | 344 | 0.000 | 0.876 | 0.864 | 0.070 | 0.059 | 0.052 | 0.067 |

Appendix D – Iterative Process of EASE-F Scale Refinement

Table 34. Self-efficacy scale

A.Category Functioning and Thresholds

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Cat label** | **Cat Count (%)** | **Av cat measure (ob)** | **Expected measure** | **Infit/Outfit MNSQ** | **Andrich** | **M-C** | **C-M** | **Comment/**  **decision** |
| **Original model** | 1 | 1420 (29) | -1.22 | -1.16 | 0.92/0.96 | - | 81% | 34% | all guidelines satisfied except >1.4 logit separation, and >40% m-c/c-m |
| 2 | 1066 (22) | -0.61 | -0.70 | 1.12/1.11 | -0.67 | 31% | 54% |
| 3 | 1000 (20) | -0.24 | -0.27 | 0.93/0.91 | -0.42 | 30% | 44% |
| 4 | 896 (18) | 0.24 | 0.22 | 0.96/0.92 | 0.08 | 39% | 37% |
| 5 | 568 (11) | 0.83 | 0.92 | 1.21/1.3 | 1.00 | 70% | 22% |
| **M1a item 1 dropped)** | 1 | 1315 (29%) | -1.29 | -1.22 | 0.90/0.93 | - | 82% | 34% | all guidelines satisfied except >1.4 logit separation, and >40% m-c/c-m |
| 2 | 937 (21%) | -0.64 | -0.74 | 1.14/1.14 | -0.67 | 29% | 53% |
| 3 | 935 (21%) | -0.25 | -0.28 | 0.92/0.89 | -0.50 | 31% | 44% |
| 4 | 799 (18%) | 0.25 | 0.24 | 0.97/0.95 | 0.13 | 40% | 37% |
| 5 | 514 (11%) | 0.94 | 0.94 | 1.23/1.32 | 1.04 | 71% | 25% |
| **M1 – Collapsed categories 2&3, 4&5** | 1 | 1420 (29%) | -1.36 | -1.30 | 0.95/0.97 | - | 76% | 52% | all guidelines satisfied. |
| 2 | 2066 (42%) | 0.04 | -0.04 | 0.95/1.00 | -1.07 | 55% | 79% |
| 3 | 1464 (30%) | 1.40 | 1.46 | 1.07/1.08 | 1.07 | 73% | 48% |
| **M2 -misfitting persons removed** | 1 | 1094 (29%) | -1.61 | -1.55 | 0.93/0.92 | - | 76% | 57% | all guidelines satisfied. |
| 2 | 1569 (41%) | 0.04 | -0.04 | 1.01/1.11 | -1.19 | 56% | 75% |
| 3 | 1157 (30%) | 1.66 | 1.72 | 1.04/1.04 | 1.19 | 73% | 55% |
| **M3 - item 19 removed** | 1 | 1022 (30%) | -1.74 | -1.68 | 0.92/0.91 | - | 74% | 60% | all guidelines satisfied. |
| 2 | 1407 (41%) | 0.01 | -0.06 | 1.03/1.16 | -1.26 | 57% | 74% |
| 3 | 1009 (29%) | 1.73 | 1.79 | 1.73/1.79 | 1.26 | 73% | 54% |

1. Table n. Global Statistics/Overall fit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model:** | **Original model** | **M1a - Item 1 dropped)** | **M1 – Collapsed categories 2&3, 4&5** | **M2 - misfitting persons removed** | **M3 - item 19 removed** |
| *Chi-square*  *(df)*  *p-value* | 12353.7  4893  0.000 | 11062.9  4460  0.00 | 7629.3  4807  0.000 | 5535.8  3670  0.00 | 4821.9  3267  0.000 |
| *INFIT MNSQ* | 1.04 | 1.02 | 1.00 | 0.99 | 0.99 |
| *INFIT ZSTD* | -.05 | 0.21 | -0.07 | -0.16 | -0.18 |
| *OUTFIT MNSQ* | 1.03 | 1.03 | 1.02 | 1.02 | 1.03 |
| *OUTFIT ZSTD* | -.04 | 0.36 | 0.19 | 0.18 | 0.27 |

1. Table n. Item fit and person fit

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model** | **Statistic** | **Flagged items/persons** | **Infit/Outfit ZSTD** | **Comment/Decision** |
| *Original model* | *Item fit* | 1 | 3.46/4.38 | Supports mod indices and theoretical discussion - drop item 1 |
| *Item fit* | 19 | 2.11/2.71 | Flag item 19 |
| *Item fit* | 27 | -2.37/-1.94 | Highlight item 27, also flagged in mod indices – nb categories, local independence |
| *M1a - Item 1 dropped* | *Item fit* | 19 | 2.95/3.46 | Flag item 19 |
|  | 2 | 1.96/2.83 | Slightly elevated ZSTDs - highlight for future problems |
| *M1 – Collapsed categories 2&3, 4&5* | *Item fit* | 19 | 2.40/2.71 | Slightly elevated ZSTDs - highlight for future problems |
| *M2 - misfitting persons removed* | *Item fit* | 29 | -0.6/2.53 | Slightly elevated ZSTDs - highlight for future problem |
| *M3 - item 19 removed* | *Item fit* | 29 | 0.08/3.10 |  |

1. Misfitting persons:

**Original Model:** Infit MNSQ >1.6: N = 55 persons

Infit MNSQ < 0.4: N = 30 persons

**M1:** Infit MNSQ >1.6: N = 43 persons

Infit MNSQ < 0.4: N = 20 persons

**M2:** Infit MNSQ >1.6: N = 15 persons

Infit MNSQ < 0.4: N = 2 persons

**M3:** Infit MNSQ >1.6: N = 13 persons

Infit MNSQ < 0.4: N = 0 persons

1. Table n. Uni-dimensionality

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Model | Variance explained by model | 1st contrast eigenvalue | 1st contrast variance | 2nd contrast eigenvalue | 2nd contrast variance | Comment/decision |
| *Original model* | *47.3%* | 1.9 | 8.9% | 1.5 | 7.2% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| *M1a - Item 1 dropped* | *49.2%* | 1.5 | 7.7% | 1.4 | 7.3% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| *M1 – Collapsed categories 2&3, 4&5* | *44.5%* | 1.7 | 8.5% | 1.5 | 7.4% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| *M2 - misfitting persons removed* | *50.4%* | 1.4 | 7.3% | 1.3 | 6.5% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| *M3 - item 19 removed* | *51.2%* | 1.4 | 7.9% | 1.3 | 6.8% | Scale is unidimensional. 2nd dimension interpreted as random noise |

1. Local independence

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Residual correlation range** | **Flagged item pairs** | **Comment/decision** |
| *Original model* | -.14 – 0.38 | Item 1 & 2, Item 27 & 29 | Supports decisions to drop either item 1 or 2, flag items 27/29 |
| *M1a - Item 1 dropped* | -0.12 - -0.28 | none |  |
| *M1 – Collapsed categories 2&3, 4&5* | -.14 – 0.28 | Item 1 & 2 | 1&2 correlated at 0.28 (low dependency). Highlight for any future problems |
| *M2 - misfitting persons removed* | -0.13 - -0.20 |  |  |
| *M3 - item 19 removed* | -0.12 - -0.21 |  |  |

1. Reliability (reliability of persons/items)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Person** | | **Item** | |
| **Model** | Reliability | Separation index | Reliability | Separation index |
| *Original model* | 0.81 | 2.1 | 0.99 | 9.29 |
| *M1a item 1 dropped)* | 0.81 | 2.07 | 0.99 | 9.80 |
| *M1 – Collapsed categories 2&3, 4&5* | 0.81 | 2.09 | 0.99 | 9.02 |
| *M2 - misfitting persons removed* | 0.83 | 2.18 | 0.99 | 9.43 |
| *M3 - item 19 removed* | 0.82 | 2.14 | 0.99 | 9.93 |

1. Construct validity

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Spread of persons (logits) | ‘Ruler’/Spread of items (logits) | Overlapping items | Item gaps | Question order | | Recommendations/  comments |
| Original |  |  | 1/3, 19/2/27 |  | 10-25-18-22-1/3-19/2/27-20-29 |  | |
| *M1a - Item 1 dropped* | +3.2 to -3 | 0.9 to -0.9 | 19/27 | No significant gaps, extension of ruler needed | 10-25-18-22-3-2-19/27-20-29 | Remove item 19 | |
| *M1 – Collapsed categories 2&3, 4&5* | 4 to -4 | 1.7 to ~ -0.9 | 1/ 3, 19/2/ | Between 22 and 1 | 10-25-18 -22-1/3-27-19/2-20-29 | Drop/reword item 1 or 3, and 19 or 2 or 27. More difficult and easier items needed to expand scope of items. | |
| *M2 - misfitting persons removed* | 4 to -4 | 1.9 to ~ -1.2 | 2/19 | Between 25 and 18, between 22 and 3 | 10-25-18-22-3-27-19/2-20-29 | fill the gaps, drop 19 or 2 | |
| *M3 - item 19 removed* | 4 to -4 | 1.9 to ~ -1.2 | none | Between 25 and 18, between 22 and 3 |  | fill gaps, stretch ruler | |

Appendix D – Iterative Process of EASE-F Scale Refinement

Table 35. Self-awareness/Assertiveness Scale

1. Table n. Category Functioning and Thresholds

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | Cat label | Cat Count (%) | Av cat measure (ob) | Expected measure | Infit/Outfit MNSQ | Andrich | M-C | C-M | Comment/  decision |
| ***Original model*** | 1 | 664 (21) | -0.81 | -0.80 | 1.03/1.10 | - | 80% | 21% | Category thresholds <0.4 logits apart, indistinct peaks – consider collapsing |
| 2 | 548 (17) | -0.37 | -0.40 | 0.96/0.91 | -0.42 | 30% | 46% |
| 3 | 524 (17) | 0.01 | -0.03 | 0.93/0.90 | -0.17 | 27% | 48% |
| 4 | 645 (20) | 0.34 | 0.41 | 1.07/1.02 | -0.03 | 34% | 41% |
| 5 | 769 (24) | 1.08 | 1.06 | 1.03/1.06 | 0.62 | 80% | 37% |
| M1 - Collapse categories 1&2 and 3&4 | 1 | 1212 (38%) | -1.50 | -1.50 | 1.03/1.03 | - | 73% | 62% | All satisfied |
| 2 | 1169 (37%) | -0.28 | -0.27 | 0.93/0.89 | -0.97 | 54% | 72% |
| 3 | 769 (24%) | 1.25 | 1.24 | 1.03/1.06 | 0.97 | 77% | 53% |
| M2 - Misfitting persons removed | 1 | 921 (38) | -1.77 | -1.76 | 0.97/0.96 | - | 73% | 64% | All satisfied |
| 2 | 929 (38) | -0.31 | -0.33 | 0.99/0.97 | -1.18 | 56% | 71% |
| 3 | 565 (23) | 1.51 | 1.52 | 1.04/1.05 | 1.18 | 77% | 54% |

1. Table n. Global Statistics/Overall fit

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Statistic** |  | **Summary/decision** |
| *Original model* | *Chi-square*  *(df)*  *p-value* | 7856.8  3064  0.000 |  |
| *INFIT MNSQ* | 1.02 |
| *INFIT ZSTD* | 0.05 |
| *OUTFIT MNSQ* | 1.02 |
| *OUTFIT ZSTD* | 0.04 |
| M1 - Collapse categories 1&2 and 3&4 | *Chi-square*  *(df)*  *p-value* | 4654.6  2968  0.000 |  |
| *INFIT MNSQ* | 1.01 |
| *INFIT ZSTD* | -0.10 |
| *OUTFIT MNSQ* | 1.00 |
| *OUTFIT ZSTD* | -0.35 |
| M2 - Misfitting persons removed | *Chi-square*  *(df)*  *p-value* | 3356.9  2254  0.00 |  |
| *INFIT MNSQ* | 1.00 |
| *INFIT ZSTD* | -0.16 |
| *OUTFIT MNSQ* | 0.99 |
| *OUTFIT ZSTD* | -0.42 |

1. Table n. Item fit and person fit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **Statistic** | **Flagged items/persons** | **Infit/ ZSTD** | **Outfit/ZSTD** | **Comment/Decision** |
| ***Original model*** | *Item fit* | 24 | 1.33/4.53 | 1.37/4.14 | Flag all for other issues |
|  |  |  |  |  |
| *Item fit* | 4 | 1.28/4.15 | 1.23/2.82 |  |
| *Item fit* | 9 | 0.73/-4/86 | 0.73/-3.85 |  |
|  | *Item fit* | 5.1 | 0.72/-4.95 | 0.70/-4.49 |  |
| M1 - Collapse categories 1&2 and 3&4 | *Item fit* | 24 | 1.30/4.01 | 1.31/3.20 | Highlight for any other problems |
| *Item fit* | 4 | 1.23/3.45 | 1.19/2.49 |  |
| *Item fit* | 13 | 1.13/2.01 | 1.17/2.24 |  |
| M2 - Misfitting persons removed | *Item fit* | 24 | 1.25/2.88 | 1.33/2.80 | elevated ZSTD |
| *Item fit* | 4 | 1.26/3.37 | 1.20/2.33 |  |
| *Item fit* | 5.1 | 0.76/-3.85 | 0.71/-3.80 |  |
| *Item fit* | 9 | 0.70/-4.55 | 0.67/-4.49 |  |

1. Misfitting persons:

**Original Model:** Infit MNSQ >1.6: N = 66 persons

Infit MNSQ < 0.4: N = 39 persons

**M1:** Infit MNSQ >1.6: N = 59 persons

Infit MNSQ < 0.4: N = 20 persons

**M2:** Infit MNSQ >1.6: N = 29 persons

Infit MNSQ < 0.4: N = 3 persons

1. Table n. Uni-dimensionality

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Variance explained by model** | **1st contrast eigenvalue** | **1st contrast variance** | **2nd contrast eigenvalue** | **2nd contrast variance** | **Comment/decision** |
| *Original model* | *48.0%* | 1.6 | 11.8% | 1.5 | 10.8% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| M1 - Collapse categories 1&2 and 3&4 | *45.9%* | 1.4 | 12.4% | 1.4 | 10.6% | Scale is unidimensional. 2nd dimension interpreted as random noise |
| M2 - Misfitting persons removed | *50.3%* | 1.6 | 11.3% | 1.3 | 9.2% | Scale is unidimensional. 2nd dimension interpreted as random noise |

1. Local independence

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Residual correlation range** | **Flagged item pairs** | **Comment/decision** |
| *Original model* | -.02 – 0.6 | none |  |
| M1 - Collapse categories 1&2 and 3&4 | -0.03 - 0.04 | none |  |
| M2 - Misfitting persons removed | -0.04 - -0.3 | none |  |

1. Reliability (reliability of persons/items)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Person** | | **Item** | |
| **Model** | Reliability | Separation index | Reliability | Separation index |
| *Original model* | 0.75 | 1.72 | 0.98 | 6.45 |
| M1 - Collapse categories 1&2 and 3&4 | 0.74 | 1.69 | 0.97 | 5.77 |
| M2 - Misfitting persons removed | 0.78 | 1.87 | 0.97 | 5.82 |

1. Construct validity

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Spread of persons (logits)** | **‘Ruler’/Spread of items (logits)** | **Overlapping items** | **Item gaps** | **Question order** | **Recommendations/comments** | |
| **Original** | 3 to -3 | 0.5 to -0.65 | 13/4/5.1, 16/9 | Between 24/13, 9/5 |  | | Reword or drop 4, 9 or 5.1 to try and fill the spaces and extend item ruler |
| M1 - Collapse categories 1&2 and 3&4 | 3 to -3 | 0.9 to -1 | 13 and 5.1 | Between 24/13, 9/5 | 24 - 13/5.1 - 4 - 16 - 9 -5 | | Reword or drop items 13 or 5.1. Potential add or reword items to extend item ruler |
| M2 - Misfitting persons removed | 4 to -4 | 1 to -1 | 16 and 4 | Between 24/13 and 9/15 | 24 - 13 - 5.1 - 16/4 - 9 - 5 | | Reword or drop items 16 or 4. Potentially add or reword items to fill gaps and or extend item ruler. |

Appendix D – Iterative Process of EASE-F Scale Refinement

Table 36. Social Support Scale

1. Category Functioning and Thresholds

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | Cat label | Cat Count (%) | Av cat measure (ob) | Expected measure | Infit/Outfit MNSQ | Andrich | M-C | C-M | Comment/  decision |
| ***Original model*** | 1 | 437 (16) | -0.57 | -0.61 | 1.08/1.09 | - | 72% | 13% | Category thresholds <0.4 logits apart, indistinct peaks – consider collapsing |
| 2 | 335 (12) | -0.21 | -0.24 | 0.99/0.93 | -0.23 | 27% | 39% |
| 3 | 432 (16) | -0.11 | -.14 | 0.97/0.95 | -0.31 | 26% | 40% |
| 4 | 576 (21) | 0.47 | 0.56 | 1.22/1.20 | 0.06 | 31% | 52% |
| 5 | 920 (34) | 1.14 | 1.09 | 0.90/0.94 | 0.48 | 81% | 39% |
| ***M1 – Collapsed categories 1&2, 3&4*** | 1 | 772 (29%) | -1.22 | -1.28 | 1.07/1.05 | - | 72% | 49% | all satisfied |
| 2 | 1008 (37%) | -0.04 | 0.04 | 0.99/1.00 | -0.96 | 52% | 74% |
| 3 | 920 (34%) | 1.50 | 1.45 | 0.93/0.94 | 0.96 | 77% | 58% |

1. Table n. Global Statistics/Overall fit

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Statistic** |  | **Comment** |
| *Original model* | *Chi-square (df)*  *p-value* | 6398.5  2548  0.000 |  |
| *INFIT MNSQ* | 1.02 |  |
| *INFIT ZSTD* | 0.31 | Flag |
| *OUTFIT MNSQ* | 1.02 |  |
| *OUTFIT ZSTD* | 0.28 | Flag |
| ***M1 – Collapsed categories 1&2, 3&4*** | *Chi-square (df)*  *p-value* | 3998.3  2526  0.000 |  |
| *INFIT MNSQ* | 1.00 |  |
| *INFIT ZSTD* | -0.02 |  |
| *OUTFIT MNSQ* | 0.99 |  |
| *OUTFIT ZSTD* | -0.02 |  |

1. Item fit and person fit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **Statistic** | **Flagged items/persons** | **Infit/ ZSTD** | **Outfit/ZSTD** | **Comment/Decision** |
| ***Original model*** | *Item fit* | 35 | 1.13/2.04 | 1.25/3.12 |  |
| ***M1 – Collapsed categories 1&2, 3&4*** | *Item fit* | none |  |  |  |

1. Misfitting persons:

**Original Model:** Infit MNSQ >1.6: N = 61 persons

Infit MNSQ < 0.4: N = 53 persons

**M1:** Infit MNSQ >1.6: N = 51 persons

Infit MNSQ < 0.4: N = 25 persons

1. Uni-dimensionality

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Variance explained by model** | **1st contrast eigenvalue** | **1st contrast variance** | **2nd contrast eigenvalue** | **2nd contrast variance** | **Comment/decision** |
| *Original model* | *47.0%* | 1.6 | 14.5% | 1.4 | 12.1 | Scale is unidimensional. 2nd dimension interpreted as random noise |
| ***M1 – Collapsed categories 1&2, 3&4*** | *46.5%* | 1.7 | 15.2% | 1.3 | 11.7 |  |

1. Local independence

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Residual correlation range** | **Flagged item pairs** | **Comment/decision** |
| *Original model* | -.13 – 0.8 | none |  |
| ***M1 – Collapsed categories 1&2, 3&4*** | -0,03 - 0.1 | none |  |

1. Reliability (reliability of persons/items)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Person** | | **Item** | |
| **Model** | Reliability | Separation index | Reliability | Separation index |
| *Original model* | 0.67 | 1.43 | 0.99 | 8.34 |
| ***M1 – Collapsed categories 1&2, 3&4*** | 0.70 | 1.54 | 0.99 | 8.34 |

1. Construct validity

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Spread of persons (logits)** | **‘Ruler’/Spread of items (logits)** | **Overlapping items** | **Item gaps** | **Question order** | **Recommendations/**  **comments** | |
| ***Original model*** | 3 to -3 | 0.5 to -1.7 | none | between 6 & 31, and 31 & 32 | 30 - 35 - 7 - 6 - 31 - 32 | | extend ruler by adding or rewriting items |
| ***M1 – Collapsed categories 1&2, 3&4*** | 3 to -3 | 0.9 to -1.4 | none | between 6 & 31, and 31 & 32 | 30 - 35 - 7 - 6 - 31 - 32 | | extend ruler by adding or rewriting items |
| ***M2*** |  |  |  |  |  | |  |

Appendix D – Iterative Process of EASE-F Scale Refinement

Table 37. Illness Burden Scale

1. Category Functioning and Thresholds

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | Cat label | Cat Count (%) | Av cat measure (ob) | Expected measure | Infit/Outfit MNSQ | Andrich | M-C | C-M | Comment/  decision |
| ***Original model*** | 1 | 1576 | -1.02 | -1.01 | 1.01/1.01 | - | 78% | 45% | Cat thresholds not 1.4 logits apart, disordered thresholds, indistinct peaks (one peak within another - 2 + 3 & 4 + 5 indistinguishable, ). collapse 2&3 and 4&5. |
| 2 | 684 | -0.64 | -0.66 | 0.99/0.97 | -0.15 | 30% | 61% |
| 3 | 348 | -0.33 | -0.37 | 0.91/0.84 | 0.16 | 22% | 31% |
| 4 | 206 | -0.02 | -0.08 | 0.93/0.91 | 0.30 | 20% | 19% |
| 5 | 336 | 0.25 | 0.32 | 1.11/1.12 | -0.32 | 73% | 13% |
| ***M1 – Collapsed categories 2&3, 4&5*** | 1 | 1576 (50%) | -1.40 | -1.38 | 1.01/1.03 | - | 76% | 63% | All category conditions satisfied except C-M for category 3 under 40% threshold, and just under 1.4 mark. |
| 2 | 1032 (33%) | -0.49 | -0.54 | 0.92/0.90 | 0.63 | 48% | 73% |
| 3 | 542 (17%) | 0.42 | 0.47 | 1.05/1.06 | -0.63 | 72% | 25% |
| ***M2 - 47 Misfitting persons removed*** | 1 | 1383 (49%) | -1.64 | -1.63 | 1.01/1.00 | - | 75% | 64% | All category conditions satisfied except C-M for category 3 under 40% threshold. |
| 2 | 1003 (36%) | -0.55 | -0.59 | 0.97/0.96 | -0.97 | 52% | 73% |
| 3 | 435 (15) | 0.61 | 0.65 | 1.03/0.99 | 0.97 | 71% | 27% |

New rating scale: Agree, Neither agree/disagree, Disagree

1. Table n. Global Statistics/Overall fit

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Statistic** |  | **Summary/decision** |
| *Original model* | *Chi-square (df)*  *p-value* | 6738.2  2896  0.000 |  |
| *INFIT MNSQ* | 1.02 |  |
| *INFIT ZSTD* | 0.31 |  |
| *OUTFIT MNSQ* | 0.99 |  |
| *OUTFIT ZSTD* | -0.02 |  |
| *M1 – Collapsed categories 2&3, 4&5* | *Chi-square (df)*  *p-value* |  |  |
| *INFIT MNSQ* | 1.00 |  |
| *INFIT ZSTD* | 0.10 |  |
| *OUTFIT MNSQ* | 1.00 |  |
| *OUTFIT ZSTD* | 0.07 |  |
| *M2 - 47 Misfitting persons removed (iterative)* | *Chi-square (df)*  *p-value* | 3991.6  2534  0.000 |  |
| *INFIT MNSQ* | 1.00 |  |
| *INFIT ZSTD* | 0.08 |  |
| *OUTFIT MNSQ* | 0.98 |  |
| *OUTFIT ZSTD* | -0.13 |  |

1. Item fit and person fit

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Model** | **Statistic** | **Flagged items/persons** | **Infit/ ZSTD** | **Outfit/ZSTD** | **Comment/Decision** |
| ***Original model*** | *Item fit* | 26r | 1.09/1.27 | 1.26/2.67 | Only slightly out on Z-outfit, flag for other concerns elsewhere |
| *M1 – Collapsed categories 2&3, 4&5* | *Item fit* | 26r | 1.13/1.79 | 1.26/2.68 | Only slightly out on Z-outfit, flag for other concerns elsewhere |
| *M2 - 47 Misfitting persons removed (iterative)* | *Item fit* | none |  |  |  |

1. Misfitting persons:

**Original Model:** Infit MNSQ >1.6: N = 58 persons

Infit MNSQ < 0.4: N = 41 persons

**M1:** Infit MNSQ >1.6: N = 47 persons

Infit MNSQ < 0.4: N = 17 persons

**M2:** Infit MNSQ >1.6: N = 31 persons

Infit MNSQ < 0.4: N = 7 persons

1. Uni-dimensionality

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Variance explained by model** | **1st contrast eigenvalue** | **1st contrast variance** | **2nd contrast eigenvalue** | **2nd contrast variance** | **Comment/decision** |
| *Original model* | *37.9%* | 1.4 | 12.7% | None | none | Below cut-off for variance explained but eigenvalue not concerning. Scale is unidimensional. 2nd dimension interpreted as random noise. Note any improvements in model changes. |
| *M1 – Collapsed categories 2&3, 4&5* | *34.1%* | 1.4 | 13.6 | 1.3 | 12.1 | Check with further iterations - i.e person misfit. |
| *M2 - 47 Misfitting persons removed (iterative)* | *37.1%* | 1.4 | 12.7 | 1.4 | 12.3 |  |

1. Local independence

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Residual correlation range** | **Flagged item pairs** | **Comment/decision** |
| *Original model* | -.03 – -0.29 | none |  |
| *M1 – Collapsed categories 2&3, 4&5* | -0.06 - -0.29 | none |  |
| *M2 - 47 Misfitting persons removed (iterative)* | -0.02 - -0.30 | none |  |

1. Reliability (reliability of persons/items)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Person** | | **Item** | |
| **Model** | Reliability | Separation index | Reliability | Separation index |
| *Original model* | 0.54 | 1.09 | 0.93 | 3.79 |
| *M1 – Collapsed categories 2&3, 4&5* | 0.63 | 1.31 | 0.94 | 4.09 |
| *M2 - 47 misfitting persons removed (iterative)* | 0.68 | 1.46 | 0.96 | 4.78 |

1. Construct validity

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Spread of persons (logits)** | **‘Ruler’/Spread of items (logits)** | **Overlapping items** | **Item gaps** | **Question order** | **Recommendations/comments** | |
| ***Origina*l** | 2 to -3 | 0.5 to -0.3 | 11r/8r, 17r/26r | All items clustered together, so above and below ruler | 12r - 23r - 14r - -11r/8r - 17r/26r | | Retest models with diff categories and without misfitting persons. Reword items to try and fill the spaces and extend the item ruler. |
| *M1 – Collapsed categories 2&3, 4&5* | 3 to -3 | 0.5 to 0.5 | 11r/8r | Evenly spaced but short ruler, more items needed or reworded | 12r - 23r - 14r - 11r/8r - 17r - 26r | | More items needed and/or reword of item 11r or 8r to expand item ruler. Overlapping indicates redundancy. Monitor with further iterations i.e person/item misfit. |
| *M2 - 47 misfitting persons removed (iterative)* | 3 to -3 | 0.9 to - 0.8 | 11r/8r | Evenly spaced but short ruler, more items needed or reworded | 12r - 23r - 14r - 11r/8r - 17r - 26r | |  |

Appendix E – Emergency Care Use Study Supplementary Data

Table 38 - Age and sex-stratified crude rates proportions by age and sex for the FNSD cohort

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FUNCTIONAL NEUROLOGICAL DISORDER COHORT 2013-2015** | | | | | | | |
| **Emergency care type** | **Age group** | **Crude rate (visits/person year) (95% CI)** | | | | | |
|  |  | ***Male*** | **CI low** | **CI up** | ***Female*** | **CI low** | **CI up** |
| **111** | 15-19 | 1 | 0.123 | 1.877 | 2.125 | 1.115 | 3.135 |
| 20-24 | 2.25 | 0.78 | 3.72 | 2.875 | 2.044 | 3.706 |
| 25-29 | 0.778 | 0.202 | 1.354 | 3.933 | 2.929 | 4.937 |
| 30-34 | 2.875 | 1.7 | 4.05 | 4.118 | 3.153 | 5.083 |
| 35-39 | 0.636 | 0.165 | 1.107 | 3.071 | 2.153 | 3.989 |
| 40-44 | 6.444 | 4.786 | 8.102 | 1.25 | 0.76 | 1.74 |
| 45-49 | 2 | 1.231 | 2.769 | 2.308 | 1.482 | 3.134 |
| 50-54 | 1 | 0.2 | 1.8 | 0.562 | 0.195 | 0.929 |
| 55-59 | 12 | 9.228 | 14.772 | 2 | 1.164 | 2.836 |
| 60-64 | 0.5 | -0.193 | 1.193 | 2 | 0.76 | 3.24 |
| 65-69 | 2 | -0.772 | 4.772 | Inf | NaN | NaN |
| 70-74 | 15 | 7.409 | 22.591 | 1.5 | -0.197 | 3.197 |
| **AMB** | 15-19 | 3.2 | 1.632 | 4.768 | 2.625 | 1.502 | 3.748 |
| 20-24 | 0.5 | -0.193 | 1.193 | 1.75 | 1.102 | 2.398 |
| 25-29 | 1.222 | 0.5 | 1.944 | 3.267 | 2.352 | 4.182 |
| 30-34 | 3.125 | 1.9 | 4.35 | 2.235 | 1.524 | 2.946 |
| 35-39 | 1.818 | 1.021 | 2.615 | 2.071 | 1.317 | 2.825 |
| 40-44 | 5 | 3.539 | 6.461 | 1.2 | 0.72 | 1.68 |
| 45-49 | 2.692 | 1.8 | 3.584 | 1.462 | 0.805 | 2.119 |
| 50-54 | 0.5 | -0.066 | 1.066 | 0.688 | 0.282 | 1.094 |
| 55-59 | 16.5 | 13.25 | 19.75 | 5.455 | 4.075 | 6.835 |
| 60-64 | 2 | 0.614 | 3.386 | 1.8 | 0.624 | 2.976 |
| 65-69 | 7 | 1.814 | 12.186 | Inf | NaN | Inf |
| 70-74 | 7 | 1.814 | 12.186 | 0.5 | -0.48 | 1.48 |
| **AE** | 15-19 | 6.6 | 4.348 | 8.852 | 5.125 | 3.556 | 6.694 |
| 20-24 | 3.75 | 1.852 | 5.648 | 9.5 | 7.99 | 11.01 |
| 25-29 | 2.889 | 1.779 | 3.999 | 8.8 | 7.299 | 10.301 |
| 30-34 | 7.5 | 5.602 | 9.398 | 6.471 | 5.262 | 7.68 |
| 35-39 | 4.818 | 3.521 | 6.115 | 4 | 2.952 | 5.048 |
| 40-44 | 8.556 | 6.645 | 10.467 | 3.1 | 2.328 | 3.872 |
| 45-49 | 4.769 | 3.582 | 5.956 | 4.615 | 3.447 | 5.783 |
| 50-54 | 1.667 | 0.634 | 2.7 | 1.938 | 1.256 | 2.62 |
| 55-59 | 18.333 | 14.907 | 21.759 | 4.364 | 3.129 | 5.599 |
| 60-64 | 2.25 | 0.78 | 3.72 | 4 | 2.247 | 5.753 |
| 65-69 | 17 | 8.919 | 25.081 | Inf | NaN | Inf |
| 70-74 | 11 | 4.499 | 17.501 | 3.5 | 0.907 | 6.093 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **FUNCTIONAL NEUROLOGICAL DISORDER COHORT 2013-2015** | | | | | | | |
| **Emergency care type** | **Age group** | **Crude proportion (unique contacts/person year) (95% CI)** | | | | | |
|  |  | ***Male*** | **CI low** | **CI up** | ***Female*** | **CI low** | **CI up** |
| **111** | 15-19 | 0.2 | -0.192 | 0.592 | 1 | 0.307 | 1.693 |
| 20-24 | 1 | 0.02 | 1.98 | 0.688 | 0.282 | 1.094 |
| 25-29 | 0.556 | 0.069 | 1.043 | 1.4 | 0.801 | 1.999 |
| 30-34 | 1.375 | 0.562 | 2.188 | 0.765 | 0.349 | 1.181 |
| 35-39 | 0.364 | 0.007 | 0.721 | 0.571 | 0.175 | 0.967 |
| 40-44 | 0.667 | 0.133 | 1.201 | 0.45 | 0.156 | 0.744 |
| 45-49 | 0.615 | 0.189 | 1.041 | 1.154 | 0.57 | 1.738 |
| 50-54 | 0.333 | -0.129 | 0.795 | 0.312 | 0.038 | 0.586 |
| 55-59 | 0.167 | -0.16 | 0.494 | 0.364 | 0.007 | 0.721 |
| 60-64 | 0.5 | -0.193 | 1.193 | 0.8 | 0.016 | 1.584 |
| 65-69 | 1 | -0.96 | 2.96 | 0 | 0 | 0 |
| 70-74 | 2 | -0.772 | 4.772 | 1 | -0.386 | 2.386 |
| **AMB** | 15-19 | 0.8 | 0.016 | 1.584 | 0.5 | 0.01 | 0.99 |
| 20-24 | 0 | 0 | 0 | 0.625 | 0.238 | 1.012 |
| 25-29 | 0.333 | -0.044 | 0.71 | 1 | 0.494 | 1.506 |
| 30-34 | 0.875 | 0.227 | 1.523 | 0.706 | 0.307 | 1.105 |
| 35-39 | 0.455 | 0.056 | 0.854 | 0.5 | 0.13 | 0.87 |
| 40-44 | 0.889 | 0.273 | 1.505 | 0.65 | 0.297 | 1.003 |
| 45-49 | 0.385 | 0.048 | 0.722 | 0.308 | 0.006 | 0.61 |
| 50-54 | 0.5 | -0.066 | 1.066 | 0.25 | 0.005 | 0.495 |
| 55-59 | 0.333 | -0.129 | 0.795 | 0.545 | 0.109 | 0.981 |
| 60-64 | 1 | 0.02 | 1.98 | 1.2 | 0.24 | 2.16 |
| 65-69 | 2 | -0.772 | 4.772 | Inf | NaN | Inf |
| 70-74 | 1 | -0.96 | 2.96 | 0 | 0 | 0 |
| **AE** | 15-19 | 6.6 | 4.348 | 8.852 | 5.125 | 3.556 | 6.694 |
| 20-24 | 3.75 | 1.852 | 5.648 | 9.5 | 7.99 | 11.01 |
| 25-29 | 2.889 | 1.779 | 3.999 | 8.8 | 7.299 | 10.301 |
| 30-34 | 7.5 | 5.602 | 9.398 | 6.471 | 5.262 | 7.68 |
| 35-39 | 4.818 | 3.521 | 6.115 | 4 | 2.952 | 5.048 |
| 40-44 | 8.556 | 6.645 | 10.467 | 3.1 | 2.328 | 3.872 |
| 45-49 | 4.769 | 3.582 | 5.956 | 4.615 | 3.447 | 5.783 |
| 50-54 | 1.667 | 0.634 | 2.7 | 1.938 | 1.256 | 2.62 |
| 55-59 | 18.333 | 14.907 | 21.759 | 4.364 | 3.129 | 5.599 |
| 60-64 | 2.25 | 0.78 | 3.72 | 4 | 2.247 | 5.753 |
| 65-69 | 17 | 8.919 | 25.081 | 0 | 0 | 0 |
| 70-74 | 11 | 4.499 | 17.501 | 3.5 | 0.907 | 6.093 |

Appendix E – Emergency Care Use Study Supplementary Data

1. Table 39 - Age and sex-stratified crude rates proportions by age and sex for general population

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **GENERAL POPULATION COHORT 2013 - 2015** | | | | | | | |
| **Emergency care type** | **Age group** | **Crude rate (visits/person year) (95% CI)** | | | | | |
|  |  | ***Male*** | **CI low** | **CI up** | ***Female*** | **CI low** | **CI up** |
| **111** | 15-19 | 0.074 | 0.072 | 0.076 | 0.152 | 0.149 | 0.155 |
| 20-24 | 0.091 | 0.089 | 0.093 | 0.188 | 0.185 | 0.191 |
| 25-29 | 0.129 | 0.126 | 0.132 | 0.209 | 0.205 | 0.213 |
| 30-34 | 0.11 | 0.107 | 0.113 | 0.159 | 0.156 | 0.162 |
| 35-39 | 0.09 | 0.087 | 0.093 | 0.127 | 0.124 | 0.13 |
| 40-44 | 0.083 | 0.081 | 0.085 | 0.102 | 0.099 | 0.105 |
| 45-49 | 0.074 | 0.072 | 0.076 | 0.094 | 0.091 | 0.097 |
| 50-54 | 0.02 | 0.019 | 0.021 | 0.025 | 0.024 | 0.026 |
| 55-59 | 0.077 | 0.074 | 0.08 | 0.094 | 0.091 | 0.097 |
| 60-64 | 0.077 | 0.074 | 0.08 | 0.086 | 0.083 | 0.089 |
| 65-69 | 0.084 | 0.081 | 0.087 | 0.09 | 0.087 | 0.093 |
| 70-74 | 0.105 | 0.101 | 0.109 | 0.114 | 0.11 | 0.118 |
| 75-79 | 0.136 | 0.131 | 0.141 | 0.144 | 0.14 | 0.148 |
| **AMB** | 15-19 | 0.031 | 0.03 | 0.032 | 0.049 | 0.047 | 0.051 |
| 20-24 | 0.03 | 0.029 | 0.031 | 0.044 | 0.043 | 0.045 |
| 25-29 | 0.037 | 0.036 | 0.038 | 0.053 | 0.051 | 0.055 |
| 30-34 | 0.038 | 0.036 | 0.04 | 0.048 | 0.046 | 0.05 |
| 35-39 | 0.04 | 0.038 | 0.042 | 0.046 | 0.044 | 0.048 |
| 40-44 | 0.043 | 0.041 | 0.045 | 0.039 | 0.037 | 0.041 |
| 45-49 | 0.044 | 0.042 | 0.046 | 0.041 | 0.039 | 0.043 |
| 50-54 | 0.013 | 0.012 | 0.014 | 0.012 | 0.011 | 0.013 |
| 55-59 | 0.061 | 0.059 | 0.063 | 0.047 | 0.045 | 0.049 |
| 60-64 | 0.069 | 0.066 | 0.072 | 0.057 | 0.055 | 0.059 |
| 65-69 | 0.09 | 0.087 | 0.093 | 0.068 | 0.066 | 0.07 |
| 70-74 | 0.129 | 0.125 | 0.133 | 0.11 | 0.106 | 0.114 |
| 75-79 | 0.174 | 0.169 | 0.179 | 0.153 | 0.149 | 0.157 |
| **AE** | 15-19 | 0.224 | 0.22 | 0.228 | 0.233 | 0.229 | 0.237 |
| 20-24 | 0.165 | 0.162 | 0.168 | 0.172 | 0.169 | 0.175 |
| 25-29 | 0.186 | 0.183 | 0.189 | 0.211 | 0.207 | 0.215 |
| 30-34 | 0.173 | 0.17 | 0.176 | 0.196 | 0.192 | 0.2 |
| 35-39 | 0.154 | 0.151 | 0.157 | 0.193 | 0.189 | 0.197 |
| 40-44 | 0.164 | 0.161 | 0.167 | 0.185 | 0.181 | 0.189 |
| 45-49 | 0.167 | 0.164 | 0.17 | 0.184 | 0.18 | 0.188 |
| 50-54 | 0.048 | 0.047 | 0.049 | 0.053 | 0.052 | 0.054 |
| 55-59 | 0.167 | 0.163 | 0.171 | 0.179 | 0.175 | 0.183 |
| 60-64 | 0.17 | 0.166 | 0.174 | 0.179 | 0.175 | 0.183 |
| 65-69 | 0.193 | 0.189 | 0.197 | 0.184 | 0.18 | 0.188 |
| 70-74 | 0.255 | 0.249 | 0.261 | 0.213 | 0.208 | 0.218 |
| 75-79 | 0.339 | 0.332 | 0.346 | 0.237 | 0.231 | 0.243 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **GENERAL POPULATION COHORT 2013 - 2015** | | | | | | | |
| **Emergency care type** | **Age group** | **Crude proportion (unique contacts/person year) (95% CI)** | | | | | |
|  |  | ***Male*** | **CI low** | **CI up** | ***Female*** | **CI low** | **CI up** |
| **111** | 15-19 | 0.072 | 0.07 | 0.074 | 0.137 | 0.134 | 0.14 |
| 20-24 | 0.065 | 0.063 | 0.067 | 0.121 | 0.119 | 0.123 |
| 25-29 | 0.086 | 0.084 | 0.088 | 0.134 | 0.131 | 0.137 |
| 30-34 | 0.077 | 0.075 | 0.079 | 0.108 | 0.105 | 0.111 |
| 35-39 | 0.07 | 0.068 | 0.072 | 0.095 | 0.092 | 0.098 |
| 40-44 | 0.062 | 0.06 | 0.064 | 0.077 | 0.075 | 0.079 |
| 45-49 | 0.055 | 0.053 | 0.057 | 0.07 | 0.068 | 0.072 |
| 50-54 | 0.015 | 0.014 | 0.016 | 0.019 | 0.018 | 0.02 |
| 55-59 | 0.058 | 0.056 | 0.06 | 0.069 | 0.067 | 0.071 |
| 60-64 | 0.059 | 0.057 | 0.061 | 0.068 | 0.065 | 0.071 |
| 65-69 | 0.058 | 0.056 | 0.06 | 0.068 | 0.066 | 0.07 |
| 70-74 | 0.079 | 0.076 | 0.082 | 0.087 | 0.084 | 0.09 |
| 75-79 | 0.1 | 0.096 | 0.104 | 0.108 | 0.104 | 0.112 |
| **AMB** | 15-19 | 0.029 | 0.028 | 0.03 | 0.043 | 0.041 | 0.045 |
| 20-24 | 0.026 | 0.025 | 0.027 | 0.038 | 0.037 | 0.039 |
| 25-29 | 0.032 | 0.031 | 0.033 | 0.045 | 0.043 | 0.047 |
| 30-34 | 0.033 | 0.031 | 0.035 | 0.041 | 0.039 | 0.043 |
| 35-39 | 0.032 | 0.03 | 0.034 | 0.038 | 0.036 | 0.04 |
| 40-44 | 0.035 | 0.033 | 0.037 | 0.033 | 0.031 | 0.035 |
| 45-49 | 0.035 | 0.033 | 0.037 | 0.034 | 0.032 | 0.036 |
| 50-54 | 0.011 | 0.011 | 0.011 | 0.01 | 0.01 | 0.01 |
| 55-59 | 0.048 | 0.046 | 0.05 | 0.038 | 0.036 | 0.04 |
| 60-64 | 0.054 | 0.052 | 0.056 | 0.046 | 0.044 | 0.048 |
| 65-69 | 0.067 | 0.064 | 0.07 | 0.053 | 0.051 | 0.055 |
| 70-74 | 0.093 | 0.09 | 0.096 | 0.081 | 0.078 | 0.084 |
| 75-79 | 0.125 | 0.121 | 0.129 | 0.109 | 0.105 | 0.113 |
| **AE** | 15-19 | 0.163 | 0.16 | 0.166 | 0.178 | 0.175 | 0.181 |
| 20-24 | 0.121 | 0.119 | 0.123 | 0.131 | 0.129 | 0.133 |
| 25-29 | 0.137 | 0.134 | 0.14 | 0.156 | 0.153 | 0.159 |
| 30-34 | 0.128 | 0.125 | 0.131 | 0.145 | 0.142 | 0.148 |
| 35-39 | 0.114 | 0.111 | 0.117 | 0.138 | 0.135 | 0.141 |
| 40-44 | 0.12 | 0.117 | 0.123 | 0.135 | 0.132 | 0.138 |
| 45-49 | 0.122 | 0.119 | 0.125 | 0.132 | 0.129 | 0.135 |
| 50-54 | 0.036 | 0.035 | 0.037 | 0.038 | 0.037 | 0.039 |
| 55-59 | 0.125 | 0.122 | 0.128 | 0.129 | 0.126 | 0.132 |
| 60-64 | 0.125 | 0.121 | 0.129 | 0.127 | 0.124 | 0.13 |
| 65-69 | 0.138 | 0.134 | 0.142 | 0.122 | 0.119 | 0.125 |
| 70-74 | 0.169 | 0.164 | 0.174 | 0.141 | 0.137 | 0.145 |
| 75-79 | 0.22 | 0.214 | 0.226 | 0.153 | 0.149 | 0.157 |

Appendix F – Affective Cognition Supplementary Data

Table 40a. T1 Accuracies and RTs of each condition in milliseconds in FNSDs (N = xx)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **FNSD (n= 34)** | | **HC (n=44)** | |
|  |  | **Positive target** | **Negative target** | **Positive target** | **Negative target** |
| **NAP trials** | *Median accuracy, n (%) correct* | 23 (95.8%) | 23 (95.8%) | 24 (100%) | 23.5 (97.9%) |
| *Reaction time, mean (SD)* | 713.4 (109.8) | 726.9 (141.8) | 678.6 (163.4) | 712.1 (171.4) |
| **Control trials** | *Median accuracy, n (%) correct* | 12 (100%) | 12 (100%) | 12 (100%) | 12 (100%) |
| *Reaction time, mean (SD)* | 696.8 (131.4) | 713.3 (119.0) | 671.5 (167.3) | 682.0 (172.4) |

Table 40b. T2 Accuracies and RTs of each condition in milliseconds

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **FNSD (n= 47)** | | **HC (n=58)** | |
|  |  | **Positive target in probe trials (PP and NP)** | **Negative target in probe trials (PN and NN)** | **Positive target in probe trials (PP and NP)** | **Negative target in probe trials (PN and NN)** |
| **NAP trials**  **(Congruent distractor and target)** | *Median accuracy, n (%) correct* | 6 (100%) | 6 (100%) | 6 (100%) | 6 (100%) |
| *Reaction time, mean (SD)* | 733.8 (111.6) | 728.7 (132.4) | 761.0 (174.8) | 795/4 (172.4) |
| **Control trials**  **(Incongruent distractor and target)** | *Median accuracy, n (%) correct* | 6 (100%) | 6 (100%) | 6 (100%) | 6 (100%) |
| *Reaction time, mean (SD)* | 702.4 (125.2) | 756.5 (147.2) | 689.2 (181.3) | 692.9 (161.9) |

Appendix F – Affective Cognition Supplementary Data

Table 41 - Correlation Matrix – FNSD

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | **SES** | **DERS** | **GAD7** | **PHQ9** | **PHQ**  **-15** | **EASE-F** | **EQ**  **utility** | **MZ Anx.** | **MZ**  **Elat.** | **MZ**  **Sad** | **MZ**  **Angr.** | **MZ**  **Irrit.** | **MZ**  **Ener.** | **-ve NAP Index** | **+ve NAP Index** | **-ve INT Index** | **+ve**  **INT Index** | **Overall k** | **Small k** | **Medium k** |
| **SES** | -0.33\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **DERS** | 0.24 | -0.44\*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **GAD7** | 0.15 | -0.37 \*\* | 0.72  \*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PHQ9** | 0.05 | -0.34 \*\* | 0.78  \*\*\* | 0.7\*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PHQ15** | 0.16 | -0.37 \*\* | 0.51  \*\*\* | 0.43 \*\*\* | 0.59\* \*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **EASEF** | -0.27\* | 0.54  \*\*\* | -0.58  \*\*\* | -0.51 \*\*\* | -0.44  \*\*\* | -0.33\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **EQ Utility** | -0.17 | 0.47  \*\*\* | -0.48  \*\*\* | -0.46  \*\*\* | -0.58  \*\*\* | -0.75  \*\*\* | 0.37\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **MZ - Anxious** | 0.08 | -0.05 | 0.46  \*\*\* | 0.61  \*\*\* | 0.43  \*\*\* | 0.28\* | -0.43  \*\*\* | -0.34 \*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |
| **MZ - Elated** | -0.18 | 0.32\* | -0.33 \*\* | -0.29 | -0.4\*\* | -0.32\* | 0.62 \*\*\* | 0.31\* | -0.25 | — |  |  |  |  |  |  |  |  |  |  |  |
| **MZ - Sad** | 0.05 | -0.08 | 0.49 \*\*\* | 0.41\*\* | 0.45  \*\*\* | 0.25 | -0.43  \*\*\* | -0.19 | 0.51  \*\*\* | -0.21 | — |  |  |  |  |  |  |  |  |  |  |
| **MZ - Angry** | 0.03 | -0.17 | 0.32\* | 0.26\* | 0.26 | 0.15 | -0.31\* | -0.04 | 0.32\* | -0.18 | 0.62  \*\*\* | — |  |  |  |  |  |  |  |  |  |
| **MZ - Irritable** | -0.01 | -0.1 | 0.42\*\* | 0.4\*\* | 0.35\*\* | 0.23 | -0.29\* | -0.06 | 0.36\*\* | -0.06 | 0.61  \*\*\* | 0.63  \*\*\* | — |  |  |  |  |  |  |  |  |
| **MZ - Energetic** | -0.04 | 0.25 | -0.26 | -0.18 | -0.38  \*\* | -0.2 | 0.43  \*\*\* | 0.44  \*\*\* | -0.22 | 0.5\*\*\* | -0.19 | -0.18 | -0.02 | — |  |  |  |  |  |  |  |
| **+VE NAP index** | 0.02 | 0.03 | 0.07 | 0.17 | 0.05 | 0.04 | 0.07 | 0.09 | 0.04 | -0.09 | -0.01 | -0.04 | 0.08 | 0.05 | — |  |  |  |  |  |  |
| **-VE NAP index** | -0.06 | -0.01 | -0.08 | -0.04 | -0.13 | -0.06 | -0.01 | 0.12 | -0.15 | 0.04 | -0.03 | 0.02 | -0.01 | 0.05 | 0.04 | — |  |  |  |  |  |
| **+VE Inf index** | 0.06 | -0.15 | 0.11 | 0.25 | 0.16 | 0.2 | 0.02 | -0.18 | 0.13 | -0.05 | 0.07 | -0.11 | 0.06 | -0.06 | 0.67  \*\*\* | 0.28\* | — |  |  |  |  |
| **-VE Inf index** | -0.04 | -0.03 | -0.08 | -0.07 | -0.07 | -0.07 | 0.05 | 0 | 0 | 0.09 | 0.04 | -0.03 | -0.01 | -0.06 | 0.09 | 0.77  \*\*\* | 0.49  \*\*\* | — |  |  |  |
| **Overall k** | 0.32\* | -0.28\* | 0.21 | 0.33\* | 0.12 | 0.18 | -0.21 | -0.12 | 0.2 | 0 | 0.17 | 0.21 | 0.3\* | 0.04 | -0.08 | 0.01 | 0.03 | -0.09 | — |  |  |
| **Small k** | 0.29\* | -0.35 \*\* | 0.25 | 0.29\* | 0.12 | 0.16 | -0.29\* | -0.16 | 0.28\* | -0.06 | 0.19 | 0.25 | 0.29\* | 0.02 | -0.15 | -0.07 | -0.06 | -0.15 | 0.89  \*\*\* | — |  |
| **Medium k** | 0.32\* | -0.26\* | 0.15 | 0.26\* | 0.07 | 0.2 | -0.15 | -0.11 | 0.16 | 0.1 | 0.15 | 0.2 | 0.25 | 0.12 | -0.04 | 0.01 | 0.08 | -0.06 | 0.94  \*\*\* | 0.82  \*\*\* | — |
| **Large k** | 0.29\* | -0.19 | 0.17 | 0.31\* | 0.12 | 0.21 | -0.12 | -0.11 | 0.19 | 0.05 | 0.15 | 0.15 | 0.26\* | 0.09 | -0.08 | 0.01 | 0.01 | -0.13 | 0.97  \*\*\* | 0.81  \*\*\* | 0.93  \*\*\* |

Appendix F – Affective Cognition Supplementary Data

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | **SES** | **DERS** | **GAD7** | **PHQ9** | **PHQ**  **-15** | **EASE-F** | **EQ**  **utility** | **MZ Anx.** | **MZ**  **Elat.** | **MZ**  **Sad** | **MZ**  **Angr.** | **MZ**  **Irrit.** | **MZ**  **Ener.** | **-ve NAP Index** | **+ve NAP Index** | **-ve INT Index** | **+ve**  **INT Index** | **Overall k** | **Small k** | **Medium k** |
| **SES** | -0.33\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **DERS** | 0.24 | -0.44\*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **GAD7** | 0.15 | -0.37 \*\* | 0.72  \*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PHQ9** | 0.05 | -0.34 \*\* | 0.78  \*\*\* | 0.7\*\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **PHQ15** | 0.16 | -0.37 \*\* | 0.51  \*\*\* | 0.43 \*\*\* | 0.59\* \*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **EASEF** | -0.27\* | 0.54  \*\*\* | -0.58  \*\*\* | -0.51 \*\*\* | -0.44  \*\*\* | -0.33\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **EQ Utility** | -0.17 | 0.47  \*\*\* | -0.48  \*\*\* | -0.46  \*\*\* | -0.58  \*\*\* | -0.75  \*\*\* | 0.37\*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **MZ - Anxious** | 0.08 | -0.05 | 0.46  \*\*\* | 0.61  \*\*\* | 0.43  \*\*\* | 0.28\* | -0.43  \*\*\* | -0.34 \*\* | — |  |  |  |  |  |  |  |  |  |  |  |  |
| **MZ - Elated** | -0.18 | 0.32\* | -0.33 \*\* | -0.29 | -0.4\*\* | -0.32\* | 0.62 \*\*\* | 0.31\* | -0.25 | — |  |  |  |  |  |  |  |  |  |  |  |
| **MZ - Sad** | 0.05 | -0.08 | 0.49 \*\*\* | 0.41\*\* | 0.45  \*\*\* | 0.25 | -0.43  \*\*\* | -0.19 | 0.51  \*\*\* | -0.21 | — |  |  |  |  |  |  |  |  |  |  |
| **MZ - Angry** | 0.03 | -0.17 | 0.32\* | 0.26\* | 0.26 | 0.15 | -0.31\* | -0.04 | 0.32\* | -0.18 | 0.62  \*\*\* | — |  |  |  |  |  |  |  |  |  |
| **MZ - Irritable** | -0.01 | -0.1 | 0.42\*\* | 0.4\*\* | 0.35\*\* | 0.23 | -0.29\* | -0.06 | 0.36\*\* | -0.06 | 0.61  \*\*\* | 0.63  \*\*\* | — |  |  |  |  |  |  |  |  |
| **MZ - Energetic** | -0.04 | 0.25 | -0.26 | -0.18 | -0.38  \*\* | -0.2 | 0.43  \*\*\* | 0.44  \*\*\* | -0.22 | 0.5\*\*\* | -0.19 | -0.18 | -0.02 | — |  |  |  |  |  |  |  |
| **+VE NAP index** | 0.02 | 0.03 | 0.07 | 0.17 | 0.05 | 0.04 | 0.07 | 0.09 | 0.04 | -0.09 | -0.01 | -0.04 | 0.08 | 0.05 | — |  |  |  |  |  |  |
| **-VE NAP index** | -0.06 | -0.01 | -0.08 | -0.04 | -0.13 | -0.06 | -0.01 | 0.12 | -0.15 | 0.04 | -0.03 | 0.02 | -0.01 | 0.05 | 0.04 | — |  |  |  |  |  |
| **+VE Inf index** | 0.06 | -0.15 | 0.11 | 0.25 | 0.16 | 0.2 | 0.02 | -0.18 | 0.13 | -0.05 | 0.07 | -0.11 | 0.06 | -0.06 | 0.67  \*\*\* | 0.28\* | — |  |  |  |  |
| **-VE Inf index** | -0.04 | -0.03 | -0.08 | -0.07 | -0.07 | -0.07 | 0.05 | 0 | 0 | 0.09 | 0.04 | -0.03 | -0.01 | -0.06 | 0.09 | 0.77  \*\*\* | 0.49  \*\*\* | — |  |  |  |
| **Overall k** | 0.32\* | -0.28\* | 0.21 | 0.33\* | 0.12 | 0.18 | -0.21 | -0.12 | 0.2 | 0 | 0.17 | 0.21 | 0.3\* | 0.04 | -0.08 | 0.01 | 0.03 | -0.09 | — |  |  |
| **Small k** | 0.29\* | -0.35 \*\* | 0.25 | 0.29\* | 0.12 | 0.16 | -0.29\* | -0.16 | 0.28\* | -0.06 | 0.19 | 0.25 | 0.29\* | 0.02 | -0.15 | -0.07 | -0.06 | -0.15 | 0.89  \*\*\* | — |  |
| **Medium k** | 0.32\* | -0.26\* | 0.15 | 0.26\* | 0.07 | 0.2 | -0.15 | -0.11 | 0.16 | 0.1 | 0.15 | 0.2 | 0.25 | 0.12 | -0.04 | 0.01 | 0.08 | -0.06 | 0.94  \*\*\* | 0.82  \*\*\* | — |
| **Large k** | 0.29\* | -0.19 | 0.17 | 0.31\* | 0.12 | 0.21 | -0.12 | -0.11 | 0.19 | 0.05 | 0.15 | 0.15 | 0.26\* | 0.09 | -0.08 | 0.01 | 0.01 | -0.13 | 0.97  \*\*\* | 0.81  \*\*\* | 0.93  \*\*\* |

Table 42 - Correlation Matrix – Healthy Controls

Appendix G – Literature Review Supplementary Measures

Table 43. Summary of studies identified in the literature search

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Study | Study category | Objective | Study design | Population and sample size | Method | Outcome measures  Subjective  *Objective* | Findings |
| 1 | **Bakvis et al. (2011)**  *Automatic avoidance tendencies in patients with Psychogenic Non-Epileptic Seizures* | Stress response | To investigate avoidance behaviour in PNES in relation to stress and cortisol levels | Cross-sectional | 12 PNES  20 HC | The approach and avoidance (AA) task was administered to participants at baseline and following stress-induction using the Cold Pressor Test. | The Symptom Check-List  *The Social Approach Avoidance task,*  *Salivary cortisol* | Patients with PNES show increased avoidance tendencies before stress induction. Angry face congruency effects are related to baseline cortisol levels. **No within-group subjective or objective outcome comparison made (no quantitative or qualitative report).** |
| 2 | **Demartini et al. (2016)**  *Psychogenic non-epileptic seizures and functional motor symptoms: A common phenomonelogy?* | Emotion processing | To evaluate psychology phenomenology of PNES and FMS, assessing dissociation, alexithymia, and interoceptive ability | Cross-sectional | 20 PNES  20 FMD  20 HC | Participants underwent completed study questionnaires and the heart beat detection task | DES, SDQ-20, CDS, TAS-20, HAM-D  *Heartbeat detection test* | Relative to healthy controls, PNES patients score relatively high on a measure of psychoform dissociation (DES) while FMS score higher on somatic symptom measure (CDS). **No withing-group subjective or objective outcome comparison made (no quantitative or qualitative report).** |
| 3 | **Kotwas et al (2019)**  *Subjective and physiological response to emotions in temporal lobe epilepsy and psychogenic non-epileptic seizures* | Emotion processing | To investigate emotional processing using SCRs in TLE and PNES | Cross-sectional | 14 PNES  34 TLE  34 HC | SCRs measured in response to emotions induced by short film, compared with HC. Attention and suppression condition performed during viewings | BDI, STAI  *SCRs* | PNES, TLE, and HC disclose different patterns of SCRs to emotions. **No correlation found between depression & anxiety vs SCR. There was no report on subjective emotional intensity and SCR** |
| 4 | **Novakova, Harris and Reuber (2017)**  *Diurnal patterns and relationships between physiological and self-reported stress in patients with epilepsy and psychogenic non-epileptic seizures* | Stress response | To explore the patterns of physiological and self-reported stress measures across the day | Cross-sectional | 23 PNES  22 epilepsy | Self-reported stress, salivary cortisol and HRV explored in epilepsy and PNES patients | PSS, LSSI, GAD-7, NEWQOL-6D  *HRV, salivary cortisol* | **No correlations found between self-reported stress and any of the physiological measures**, but significant correlations were found between the physiological measures |
| 5 | **Williams, Levita and Reuber (2021)** | Emotion processing | To assess IS in pwFND at baseline and following stress induction, and relate the findings to self-reported emotion processing difficulties | Cross-sectional | 26 FND  27 HC | Heartbeat detection test (pre- and post-stress induction with Cold Pressor test), heart rate (ECG). | EPS-25, PHQ-9, GAD-7  *Heartbeat detection test* | Patients with FND are relatively impaired in the identification of their emotions at baseline and following stress induction. **Exploratory correlational analysis between pre- and post-stress induction IS scores and EPS-25 scores on pooled and within-group data yielded weak associations that did not reach statistical significance.** |
| 6 | **Pick, Mellers and Goldstein (2018)**  *Autonomic and subjective responsivity to emotional images in people with dissociative seizures* | Stress response | To compare subjective and autonomic reactivity to general emotional images in patients with PNES | Cross-sectional | 39 PNES  42 HC | SCRs were measured while viewing emotion stimulating images (IAPT) | SAM, HADS, Seizure symptoms  *SCR, SCL* | A positive correlation was observed between SCR’s for highly arousing negative pictures and self-reported ictal autonomic arousal, however two patterns of emotional responding were found in patients with PNES. **Elevated autonomic response (SCR/SCL) did not correlate with subjective experience (valence/arousal ratings) in some patients. While some with fewer autonomic responses had increased subjective responses.** |
| 7 | **Apazoglou et al (2017)**  *Biological and perceived stress in motor functional neurological disorders* | Stress response | To study the biological and perceived responses to stress in motor FND | Cross-sectional | 16 FMD  15 HC | Participants underwent the Trier social stress test while salivary cortisol and salivary alpha-amylase were measured | Stress on VAS, STAI, BDI, ALQ, CTQ, CGI, NEURO-QOL (mobility sub-scale)  *Salivary cortisol, and alpha-amylase* | **Adverse life events positively correlated with baseline cortisol in FMD. There were no correlations between VAS scores and biological values at baseline or after stress in FMD. There were no correlations between duration and severity of the disorder and objective markers.** |
| 8 | **Maurer et al (2015)**  *A biological measure of stress levels in patients with functional movement disorders* | Stress response | To examine biological stress levels in patients with functional movement disorders as compared with matched HC | Cross-sectional | 33 FMD  33 HC | Levels of circulating cortisol were measured from salivary samples | BDI-II, STAI, CTQ, TLEQ  *Salivary cortisol* | **No significant linear correlation between cortisol levels and self-report scores on any of the psychometric questionnaires** measuring anxiety, depression, history of traumas and disorder duration and severity |
| 9 | **Allendorfer et al (2019)**  *FMRI response to acute psychological stress differentiates patients with psychogenic non-epileptic seizures from healthy controls – A biochemical and neuroimaging biomarker study* | Stress response | To investigate stress response in the brain regions involved in emotion-motor-executive control in PNES | Cross-sectional | 12 PNES  12 HC | Participants underwent stress task and resting state fMRI, mood and QOL assessments and measurements of HR, salivary cortisol, and alpha-amylase | SF-36, PSS, BDI, BAI, POMS, STAI-s, STAI-t, WCQ, DSSQ  *HR, salivary cortisol, alpha-amylase, resting state fMRI* | **Increased perceived stress negatively correlated with dHR. Perceived stress did not significantly correlate with cortisol or alpha-amylase nor fMRI stress response** |
| 10 | **Ricciardi et al (2016)**  *Interoceptive awareness in patients with Functional Neurological symptoms* | Emotion processing | To study FMD patients ability to monitor their interoceptive signals | Cross-sectional | 16 FMD  17 HC | Interoceptive awareness measured using heartbeat detection task in FMD patients and compared with HC | TAS-20, SOQ, MADRS  *Heartbeat detection test* | FMD patients have lower IS than HC. **No significant correlations between IS and depression, alexithymia, self-objectification scores or symptom duration.** Lower IS predicted higher depression score when controlling for alexithymia scores and predicted higher self-objectification when controlling for depression scores |
| 11 | **Parees et al (2012)**  *Believing is perceiving: mismatch between self-report and actigraphy in psychogenic tremor* | Distress/ Illness burden | To determine the duration and intensity of tremor and to compare self-report and objective outcomes in psychogenic and organic tremor patients | Cross-sectional | 10 FT  8 OrgT | Participants wore a small actigraph to monitor tremor duration and intensity and completed self-assessments of tremor duration and intensity in diary for 5 days | Self-rated assessment of tremor, EQ-5D  *Actigraph measurement of tremor* | **There was a mismatch between diary estimates and actigraphy measures. Both patient groups overestimated the duration of tremor.** Psychogenic tremor patients estimated 65% more tremor duration than that measured by actigraphy. |
| 12 | **Roberts et al (2020)**  *Emotional Reactivity as a Vulnerability for Psychogenic Non-epileptic Seizures? Responses While Reliving Specific Emotions* | Emotion processing | To examine emotional reactivity in PNES patients and comparison participants during a relived emotions task | Prospective | 11 PNES  49 trauma controls  [25 TC-clin, 24 TC-nonclin] | Participants recalled and described memories evoking anger, shame, happiness and neutral feelings. | Self-report of task difficulty, emotion ratings, PCL-S, SCL  *IBI, RSA* | PNES patients reported more difficulty reliving emotions and were less likely to complete relived shame task. During and after reliving happiness PNES showed decreased RSA indicating parasympathetic withdrawal. **No within-group subjective/objective outcome correlational analysis reported (no quantitative or qualitative report).** |
| 13 | **Kramer et al (2019)**  *Similar association between objective and subjective symptoms in functional and organic tremor* | Distress/ Illness burden | To compare accelerometery-based objective tremor duration and diary-based subjective symptom burden in FT and OrgT patients | Retrospective | 14 FT  19 OrgT | Participants wore a wrist accelerometer to measure objective tremor and completed web-based diaries for subjective ratings of symptom burden for 30 days | Self-rated assessment of tremor,  EQ5D, CGI  *Actigraph measurement of tremor* | FT had a considerable level of objectively measured tremor. OrgT had significantly more objective tremor. Subjective tremor burden did not differ between OrgT or FT. **There was no difference found between FT and OrgT group with regard to associations between objective and subjective measures.** |
| 14 | **Bakvis et al (2010)**  *Basal hypercortisolism and trauma in patients with psychogenic non-epileptic seizures* | Stress response | To test several HPA-axis function in patients with PNES and relate them to trauma history | Prospective | 18 PNES  19 HC | Cortisol awakening curve, basal diurnal cortisol and negative cortisol feedback and alpha amylase levels were examined in participants using salivary sampling on two consecutive days at 19 time points | TEC  *Salivary cortisol, salivary alpha amylase* | PNES patients displayed heightened basal HPA-AXIS activity compared to HCs, and this effect was particularly more pronounced in those patients reporting sexual trauma. However, basal diurnal cortisol rates did not each statistical significance in patients with and without history of sexual trauma. **No direct subjective/objective outcome correlational analysis reported.** |
| 15 | **Bakvis et al (2009)**  *Trauma, stress and preconscious threat processing in patients with psychogenic nonepileptic seizures* | Stress response | To examine the attentional processing of social threat in PNES in relation to interpersonal trauma and acute psychological stress | Cross-sectional | 19 PNES  20 HC | Masked emotional stroop test was administered to participants at baseline and in stress condition. Stress induced by Trier Social Stress Test. Physiological stress markers were measured throughout experiment | TEC, subjective anxiety on a VAS  *Salivary cortisol, SBP, DBP, HR, HRV* | PNES patients and HCs showed significant differences in processing emotional positive and negative stimuli. **Patients showed positive attentional bias for angry faces indicating increased threat vigilance. This was positively correlated to self-reported trauma at baseline** |
| 16 | **Roberts et al (2012)**  *Emotion in psychogenic nonepileptic seizures: Responses to affective pictures* | Emotion processing | To examine emotional responses to standard affective pictures | Cross-sectional | 18 PNES  trauma controls  [18 TC-clin, 18 TC-nonclin] | Participant viewed standard affective picture (IAPS) while ECG recordings were taken | SAM, PCL-S, SCL, DERS  *IBI, RSA* | PNES reported more emotional intensity to neutral and pleasant pictures and more overall emotion regulation difficulties than control groups. **No direct subjective/objective outcome correlational analysis reported.** |
| 17 | **Koreki et al (2020)**  *Trait and state interoceptive abnormalities are associated with dissociation and seizure frequency in patients with functional seizures* | Emotion processing | To assess interoceptive function in patients with PNES and to characterise the relationship between interoceptive errors, dissociation and seizures | Cross-sectional | 41 PNES  30 HC | Participants completed heartbeat detection tasks, and questionnaires to assess objective performance on interoceptive ability, subjective sensitivity to internal sensations and subjective measures of confidence in heartbeat detection | Confidence level on VAS, BPQ, STAI, BDI, SDQ-20, MDI  *HBTT, HBDT, Time tracking task* | Patients were likely to score higher on subjective sensibility relative to the two objective tests of interoceptive accuracy. SDQ-20 and MDP scores correlated positively with the interoceptive trait prediction error from both the heartbeat tracking and heartbeat detection tasks. **No direct subjective/objective outcome correlational analysis reported (no quantitative or qualitative report).** |
| 18 | **Herrero et al (2020)**  *Skin conductance response and emotional response in women with psychogenic non-epileptic seizures* | Emotion Processing | To assess physiological, cognitive, and behavioural emotional responses of PNES patients. | Prospective | 34 Female PNES  34 Female HC | Physiological responses, cognitive response and behavioural responses to emotional images were measured. Arousal and valence were self-assessed by participants. | TAS-20, HARS, DES, CTQ, measures of valence and arousal on SAM  *SCR, HR deceleration* | **PNES physiological response (SCR and heart rate deceleration) was negatively correlated to dissociation tendency and alexithymia. For cognitive response, no correlation was found.** |

***Subjective measure abbreviations:***

***ALQ****: Ameil-Lebigre questionnaire,* ***BAI:*** *Beck Anxiety Scale****, BDI:*** *Beck Depression Inventory,* ***BPQ:*** *Porges Body Perception Questionnaire,* ***CD-RISC:*** *Connor-Davidson Resilience Scale,* ***CDS****: Conversion Disorder Scale,* ***CGI:*** *Clinical Global Impression (of disease severity),* ***CTQ:*** *Childhood Trauma Questionnaire****,*** ***DASS****: The Depression Anxiety and Stress Scales,* ***DERS:*** *Difficulties in Emotion Regulation,* ***DES****: Dissociation Experiences Scale,* ***DSSQ:*** *Dundee Stress State Questionnaire,* ***ELSQ:*** *The Early Life Stress Questionnaire,* ***ERQ:*** *Emotion Regulation Questionnaire,* ***ESS:*** *The Epworth Sleepiness scale****, EQ5D****: Self-efficacy quality of life questionnaire,* ***GAD-7****: Generalised Anxiety Disorder Scale,* ***GSI****: Global Symptom Inventory,* ***HADS:*** *Hospital anxiety and depression scale,* ***HAM-A****: Hamilton Anxiety Rating Scale,* ***ISI:*** *Insomnia Severity Index,* ***LEAS:*** *Levels of Emotional Awareness,* ***LEC:*** *Life Events Checklist,* ***LSSI:*** *Liverpool Seizure Severity Inventory,* ***MADRS****: Montgomery Asberg Depression Rating scale,* ***MDI:*** *Multiscale Dissociation Inventory,* ***MEQ:*** *Morningness-Eveningness Questionnaire,* ***NDQ:*** *Nightmare Distress questionnaire,* ***NEO:*** *NEO Five Factor Inventory,* ***NEURO-QOL****: Quality of Life in Neurological Disorders,* ***NEWQOL-6D****:* *Quality of Life in Newly Diagnosed Epilepsy ,* ***PCL:*** *PTSD checklist,* ***PDI:*** *Pain Disability Index,* ***PHQ-15****: Patient Health Questionnaire,* ***POMS:*** *Profile of Mood states,* ***PSS:*** *Perceived Stress Scale,* ***PSQI****: Pittsburgh Sleep Quality index* ***RSQ:*** *Relationship Scales Questionnaire,* ***SAM****: Self-Assessment Manikin emotion rating scale (ratings for emotional valence and arousal),* ***SAS****: Self-rating Anxiety Scale,* ***SCL****: Symptom Checklist,* ***SDQ****: Somatoform Dissociation Questionnaire,* ***SDS:*** *Self-rating Depression Scale,* ***SF-36:*** *Short Form Health related quality of life assessment,* ***SNI:*** *Social Network Index,* ***SOMS:CD****:* *Screening for Somatoform Symptoms-7 Conversion Disorder ,* ***SOQ****: Self Objectification Questionnaire,* ***SPHERE:*** *The Somatic and Psychological Health Report,* ***STAI-t:*** *State Anxiety Inventory (Trait anxiety),* ***STAI-s:*** *State Anxiety Inventory (State anxiety),* ***TAS-20****: Toronto AlexIthymia Scale,* ***TEC:*** *Traumatic Experiences Checklist,* ***TLEQ:*** *Traumatic Life Events Questionnaire,* ***TSC-40****: Traumatic Symptom Checklist-40,* ***VAS:*** *Visual Analog Scale,* ***WCQ:*** *Ways of Coping Questionnaire* ***WHOQOL:*** *The World Health Organistion Quality of Life scale*

***Objective measure abbreviations:***

***DBP:*** *Diastolic Blood Pressure,* ***dmPFC:*** *dorsomedial prefrontal cortex,* ***EMG:*** *Electromyography,*  ***HBDT:*** *Heartbeat Decision task,* ***HBTT:*** *Heartbeat Tracking task,* ***HRV:*** *Heart rate Variability,* ***IBI****: Cardiac Interbeat Intervals,* ***IS:*** *Interoceptive sensitivity,* ***RSA****: Respiratory Sinus Arrhythmia,* ***SBP:*** *Systolic Blood Pressure,* ***SCL:*** *Skin conductance Level,* ***SCRs:*** *Skin Conductance Responses,* ***SMA:*** *Sensorimotor area,* ***STG:*** *Superior temporal gyrus,*

***Table Abbreviations:***

***FNS:*** *Functional neurological symptoms,* ***FT:*** *Functional Tremor,* ***OrgT****: Organic Tremor,* ***FMS:*** *Functional motor Symptoms,* ***iCPRP:*** *Interdisciplinary chronic pain rehabilitation program*

Table 44. Quality assessment of reviewed studies

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Quality rating criteria | | | | | | | | | |
|  | **Study** | **FND Sample size** | **Diagnostic certainty** | **Video-EEG (PNES)\*** | **Epilepsy-excluded (FND groups)\*** | **Anxiety-excluded** | **Neurological comorbidity-excluded (FND groups)\*** | **Consecutive sampling** | **Standardised measures** | **Correction for multiple comparisons** | **Formal a-priori power calculations** | **Reliability for at least one included measure in own sample** |
| 1 | Bakvis et al.(2011) | 12 PNES  20 HC | Video-EEG | Y | Y | N | Y | Y | Y | N | N | N |
| 2 | Demartini et al. (2016) | 20 PNES  20 FMD  20 HC | DSM-5  VIdeo-EEG PNES  “Clinically established” FMD  Williams et al., 1995 | Y | Y | Y | Y | Y | Y | Y | N | N |
| 3 | Kotwas et al (2019) | 14 PNES  34 TLE  34 HC | Video-EEG | Y | Y | N | Y | - | Y | N | N | N |
| 4 | Novakova, Harris and Reuber (2017) | 23 PNES  22 epilepsy | Video-EEG | Y | Y | N | U\* | Y | Y | Y | N | Y |
| 5 | Williams et al (2021) | 26 FND  27 HC | ‘All available clinical evidence’  Reviewed by consultant neurologists | N | Y | N | Y | N | Y | Y | N | N |
| 6 | Pick, Mellers & Goldstein (2018) | 39 PNES  42 HC | Video-EEG | Y | Y | Y | Y | N | Y | N | N | N |
| 7 | Apazoglou et al (2017) | 16 FMD  15 HC | DSM-5  Board certified neurologist confirmation of positive symptoms | - | Y | N | Y | N | Y | N | N | N |
| 8 | Maurer et al (2015) | 33 FMD  33 HC | "Clinically definite"  Williams et al., 1995 | - | Y | N | Y | N | Y | N | N | N |
| 9 | Allendorfer et al (2019) | 12 PNES  12 HC | Video-EEG | Y | Y | N | Y | Y | Y | Y | N | N |
| 10 | Ricciardi et al (2016) | 16 FMD  17 HC | "Clinically established"  Fahn and Williams., 1988 | - | Y | N | Y | Y | Y | Y | N | Y |
| 11 | Parees et al (2012) | 10 FT  8 OrgT | "Clinically established" FT  Fahn and Williams, 1988 | - | Y | N | Y | - | Y | Y | N | - |
| 12 | Roberts et al (2020) | 11 PNES  49 trauma controls | Video-EEG | Y | Y | N | Y | N | Y | Y | N | N |
| 13 | Kramer et al (2019) | 14 FT  19 OrgT | "Clinically probable” FMD  Williams et al., 1995 | - | - | N | U\* | N | Y | N | N | - |
| 14 | Bakvis et al (2010) | 18 PNES  19 HC | Video-EEG | Y | Y | N | Y | N | Y | N | N | N |
| 15 | Bakvis et al (2009) | 19 PNES  20 HC | Video-EEG | Y | Y | N | Y | N | Y | N | N | N |
| 16 | Roberts et al (2012) | 18 PNES  trauma controls | Video-EEG | Y | Y | N | Y | N | Y | N | N | Y |
| 17 | Koreki et al (2020) | 41 PNES  30 HC | “Clinically documented/established/probable”  ILAE, 2013 | Y | Y | N | Y | Y | Y | Y | N | N |
| 18 | Herrero et al (2020) | 34 PNES  34 HC | Video-EEG | Y | Y | N | Y | Y | Y | Y | N | N |

*A dash (“-”) represents inapplicable, or not included in the study. U\* = unclear*

Table 45. Categorisation of reviewed studies and collective subjective and objective measures utilised in the studies

|  |  |  |
| --- | --- | --- |
| **Study Category** | **Objective measures** | **Subjective measures** |
| **Stress response**  **(n=8)** | (1) Salivary cortisol | The Symptom Checklist Revised – 90 |
| (4) Heart rate variability, Salivary cortisol | Perceived Stress Scale, Liverpool Seizure Severity Inventory, Generalised Anxiety Disorder Scale-7, Quality of Life in Newly Diagnosed Epilepsy |
| (6) Skin Conductance Response, skin conductance level | Self-Assessment Manikin emotion rating scale (ratings for emotional valence and arousal, Hospital anxiety and depression scale, Seizure symptoms |
| (7) Salivary cortisol, and alpha-amylase | Evaluation of stress on Visual Analogue Scale, State-Trait Anxiety Inventory, Beck Depression Inventory, Ameil-Lebigre questionnaire (Life events, ALQ), Childhood Trauma Questionnaire, Clinical Global Impression, Mobility subscale of Neuro-Qol |
| (8) Salivary cortisol | Beck Depression Inventory, State-Trait Anxiety Inventory, Childhood Trauma Questionnaire, Traumatic Life Events Questionnaire |
| (9) HR, salivary cortisol, alpha-amylase, resting state fMRI | Short Form-36, Perceived Stress Scale, Beck Depression Inventory, Beck Anxiety Inventory, Profile of Mood states, State Anxiety Inventory (Trait anxiety), State Anxiety Inventory (State anxiety), Ways of Coping Questionnaire, Dundee Stress State Questionnaire |
| (14) Salivary cortisol, salivary alpha amylase | Traumatic Experiences Checklist |
| (15) Salivary cortisol, Systolic and diastolic blood pressure, Heart rate, Heart rate variability | Traumatic Experiences Checklist, subjective anxiety on a VAS |
| **Emotion processing**  **(n=8)** | (2) Heartbeat detection test | Dissociative Experiences Scale, Somatic Dissociation Questionnaire-20, CDS, Toronto Alexithymia Scale-20, HAM-D |
| (3) Skin Conductance Responses | Beck Depression Inventory, State-Trait Anxiety Inventory |
| (5) Heartbeat detection test (pre- and post-stress induction with Cold Pressor test), heart rate (ECG). | Emoton Processing Scale, Patient Health Questionnaire-9, Generalised Anxiety Disorder-7 |
| (10) Heartbeat detection test | Toronto Alexithymia Scale-20, Self-Objectification Questionnaire, Montgomery Asberg Depression Rating scale |
| (12) Cardiac Interbeat Intervals, Respiratory Sinus Arrhythmia | Self-report of task difficulty, emotion ratings, Symptom Checklist, PTSD Symptom checklist |
| (16) Cardiac Interbeat Intervals, Respiratory Sinus Arrhythmia | Self-Assessment Manikin emotion rating scale (ratings for emotional valence and arousal, PTSD Symptom checklist, Symptom Checklist, PTSD Symptom checklist |
| (17) Heartbeat Tracking Task, Heartbeat Detection Task, Time tracking task | Confidence level on VAS, Porges Body Perception Questionnaire, Spielberg State-Trait Inventory, Beck Depression Inventory, Somatic Dissociation Questionnaire-20, Multiscale Dissociation Inventory |
| (18) Skin Conductance Response, Heart Rate deceleration | Toronto Alexithymia Scale, Hamilton Anxiety Rating Scale, Childhood Trauma Questionnaire, Dissociative Experiences Scale, measures of valence and arousal on SAM |
| **Symptomatology/Behavioural**  **(n=2)** | (11) Actigraph measurement of tremor | Self-rated assessment of tremor |
| (13) Actigraph measurement of tremor | Self-rated assessment of tremor |

Table 46. Correlations between self-report scores and objective measures reported in the included studies

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category  (n. comparative studies/n. number of studies in category)b | Study | Subjective self-report measurea | Objective correlate measurea | Within group correlation analysis | |
| **Descriptive** | **Quantitative**  (r values, range) |
| Stress Response (6/8) | Novakova, Harris and Reuber (2017) | Smith Stress Symptoms Inventory (SSSI) | HRV, cortisol | No significant correlations between self-reported stress and any of the physiological measures\* | r = -0.174 - 0.244, p’s > 0.05 |
|  | Pick, Mellers and Goldstein (2018) | Subjective valence and arousal rating (SAM) | SCR, SCL | Correlations between autonomic response and subjective experience were not consistent within PNES population.\* | - |
|  | Apazoglou et al (2017) | Evaluation of stress on visual analogue scale, Beck Depression Inventory, State-Trait Anxiety Inventory,  Ameil-Lebigre Questionnaire (Life Events)  Childhood Trauma Questionnaire  Clinical Global Impression (CGI)  Mobility subscale of Neuro-Qol | Salivary cortisol and amylase | The number (1) and subjective impact (2) of adverse life events positively correlated with cortisol AUCg.  The number (3) and subjective impact (4) of adverse life events did not correlate with amylase values (AUCg).  No correlation between self-reported stress (VAS) and objective values at rest, nor after stress induction in VAS vs amylase (5) and VAS vs cortisol values (6)  No correlations between self-reported duration and severity of symptoms and salivary cortisol and amylase (7)\* | (1) r = 0.67, p < 0.01  (2) r =- 0.6, p < 0.05  (3) r = 0.24, p > 0.05  (4) r = 0.33, p > 0.05  (5) r = 0.13, p = 0.65  (6) r = -0.17, p > 0.05  (7) r = -0.45 - 0.45, p’s > 0.05 |
|  | Maurer et al (2015) | Beck Depression Inventory, State-Trait Anxiety Inventory, Childhood Trauma Questionnaire, Traumatic Life Events Questionnaire | Salivary cortisol | No correlation between cortisol levels and self-report scores on any of the psychometric questionnaire measuring anxiety, depression, history of traumas and disorder duration and severity\* | r = -0.212 – 0.173, p's > 0.05 |
|  | Allendorfer et al (2019) | Perceived Stress Scale (PSS) | Heart rate, Salivary cortisol and alpha-amylase and  fMRI | Perceived stress negatively correlated with change in HR to physiological stress (1).  Perceived stress was not associated with change in cortisol (2) or in alpha-amylase (3). No significant associations were found between fMRI stress response and perceived stress (4)\* | (1) rs = -0.74, p = 0.0063  (2) rs = -0.47, p = 0.12  (3) rs = -0.45, p = 0.14  (4) r = nr, p > 0.0125 |
|  | Bakvis et al (2009) | Traumatic Experiences Checklist (TEC), subjective anxiety on a VAS | Masked emotional Stroop test  Salivary cortisol  Systolic and diastolic BP, HR, HRV | Positive attentional bias for angry faces at baseline positively correlated to the presence of sexual trauma reports | r = -0.46, p < 0.05 |
| Emotion Processing (4/8) | Kotwas et al (2019) | Beck Depression Inventory  State Trait Anxiety Index | Skin conductance response | No correlation between depression & anxiety scores and skin conductance responses \* | - |
|  | Ricciardi et al (2016) | Toronto Alexithymia Scale-20, Self-Objectification Questionnaire,  Montgomery Asberg Depression Rating scale | Interoceptive sensitivity score | No significant correlations between IS and depression (1), alexithymia (2), self-objectification (3) scores. \* | (1) r = -0.51, p = 0.13  (2) r = -0.38, p = 0.44  (3) r = -0.40, p = 0.37 |
|  | Herrero et al (2020) | Hamilton Anxiety Rating Scale, Dissociative Experiences Scale, Childhood Trauma Questionnaire, Toronto Alexithymia Scale, m measures of valence and arousal on SAM | Skin Conductance Response, Heart rate deceleration | Self-reported dissociation tendency was negatively correlated to physiological response SCR (1) and heart rate deceleration (2).  Alexithymia ‘Difficulty in describing feelings” subscore was negatively correlated with SCR rate (3), SCR latency (4),and heart rate deceleration (5) for all images. For cognitive response, no correlation was found.\* | (1) r = -0.48, p = 0.0083  (2) r = -0.49, p = 0.021  (3) r = -0.44, p = 0.012  (4) r = -0.50, p = 0.013  (5) r = -0.59, p = 0.0037 |
|  | Wiliams et al (2021) | The Emotional Processing Scale (EPS), Patient Health Questionnaire (PHQ-9), Generalised Anxiety Questionnaire (GAD-7) | Interoceptive sensitivity (IS), Heart rate, Cold Pressor Test | No significant associations between IS scores and EPS-25 main or subscale scores when examined within-groups. | - |
| Illness burden  (n=2/2) | Parees et al (2012) | Self-rated assessment of tremor duration in self-completed diary | Actigraph measurement of tremor | Psychogenic tremor patients showed a significantly greater bias towards over-estimation of tremor (65%), rated themselves as significantly more disabled and as having poorer QOL - but this did not correlate with actigraphy data\* | - |
|  | Kramer et al (2019) | Self-rated assessment of tremor burden in self-completed diary | Actigraph measurement of tremor | No significant difference found in the subjective and objective associations within the OrgT group and the FT group\* | r = nr, p = 0.168 |
|  |  |  |  |  |  |

1. *Table includes only information pertinent to relevant correlation analysis*
2. *Comparative studies = those providing results from a correlational analysis between subjective and objective outcome measures.*

*A dash (“-”) represents inapplicable information, or not included in the study*

*In significant correlations \* signifies p-value of <0.05; \*\* siginifies p-value of <0.001*