How To Go Outside

by Joe Bates

Full score

Performance Notes

I. Breathe In, Breathe Out 1	c. 1'	p. 4
II. How To Go Outside	c. 2'	p. 5
III. Breathe In, Breathe Out 2	c. 1'	p. 11
IV. How To Be Outside	c. 1'30"	p. 12
V. Earthing	c. 2'30"	p. 15
VI. How To Be With Her	c. 1'30"	p. 20
VII. Breathe In, Breathe Out 3	c. 1'	p. 22
VIII. How To Be With Me	c. 1'	p. 23
IX. Breathe In, Breathe Out 4	c. 1'	p. 27
X. How To Be Together	c. 4'	p. 28

Total length: c. 16'30"

Movements may be excerpted at the players' discretion.

This is adapted from music written for the play *How to go outside*, written by Kay Dent and directed by Jesse Haughton-Shaw.

Accidentals

This piece is in Just Intonation, notated using Helmholtz-Ellis Just Intonation (HEJI). Accidentals last for the whole bar. The vertical tuning of intervals is to be given priority above horizontal tuning.

Standard accidentals indicate notes tuned in a Just circle of fifths starting on G. The deviation of these fifths from equal temperament is small (a maximum of 6¢ for E and B♭) and may be tempered out into 12-tone equal temperament (12TET) if preferred.

Accidentals altered by arrows indicate Justly tuned thirds:

♮♯ Down arrows indicate a note tuned a 5/4, or Just major third, above the note a major third below it. This interval is 14¢ smaller than in 12TET.

♮♭ Up arrows indicate a note tuned a 6/5, or Just minor third, above the note a minor third below it. This interval is 16¢c bigger than in 12TET.

Accidentals alterted by double arrows should be tuned in Just major or minor thirds with the Justly-tuned note a third below them:

F♯ would be a Just major third above D♮ (itself a Just major third above B♭).

G♭ would be a Just minor third above E♭ (itself a Just minor third above C).

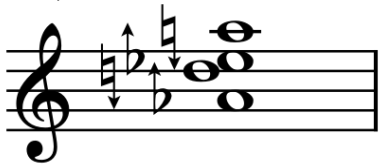
Version 12th April 2023

Tuning

Almost all the intervals produced by the novel accidentals are simple Just thirds or sixths. However, there are some places where more complex intervals are produced.

These complex chords are mostly of two kinds. The first kind is generated by the dissonant 580¢ 40/27 fifth between G and Dm.

The second kind is generated by combining up arrows and down arrows, as in the following chord, taken from bar 31 of IV. How To Be Outside.



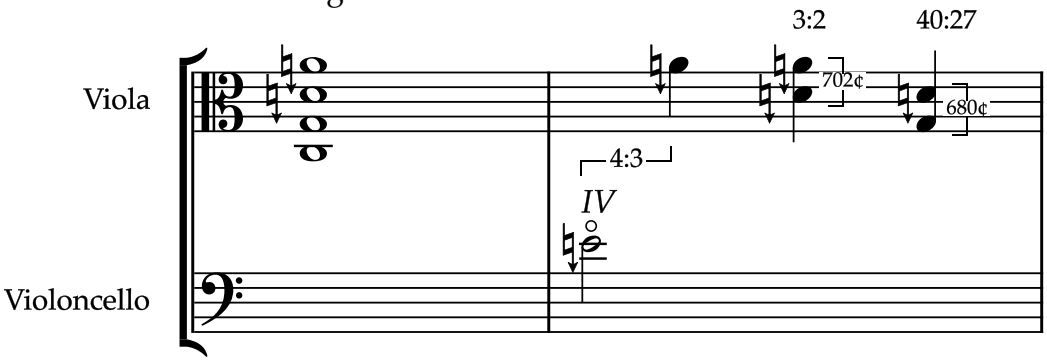
In this chord, the tritones are 25/18 (569¢), the minor ninths are 25/12 (1271¢) and the semitones are 27/25 (133¢). In other words, the two arrows combine to create intervals that deviate c.30¢ from equal temperament.

Tuning Asterixes

When these more complex chords are produced, they are demarked with asterixes. If most players are playing consonant chords, with one player producing an independent, dissonant line, only the independent line is marked with asterixes.

Scordatura

The Viola has two strings tuned scordatura:



To tune the altered notes, the cellist should play the fifth harmonic on the C string. Tune the A string a perfect fourth above this pitch, then the D string a perfect fifth below the A string. The result should be an audibly small fifth between the viola's G and D strings.

Free glissando, Earthing

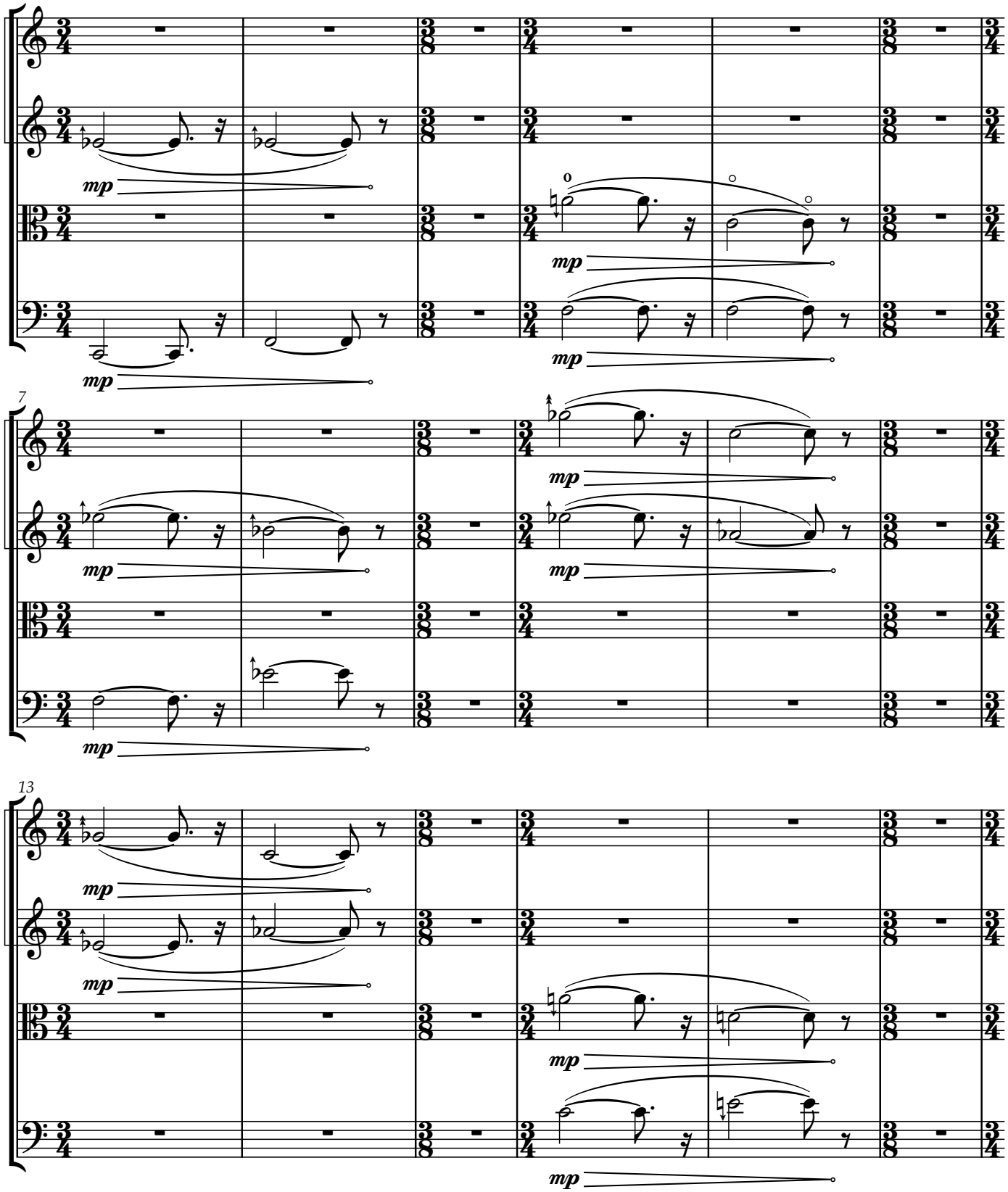
Linger on the given notes before moving freely onto the next note. The glissando players should move together, but may move independently from the other players.

How To Go Outside

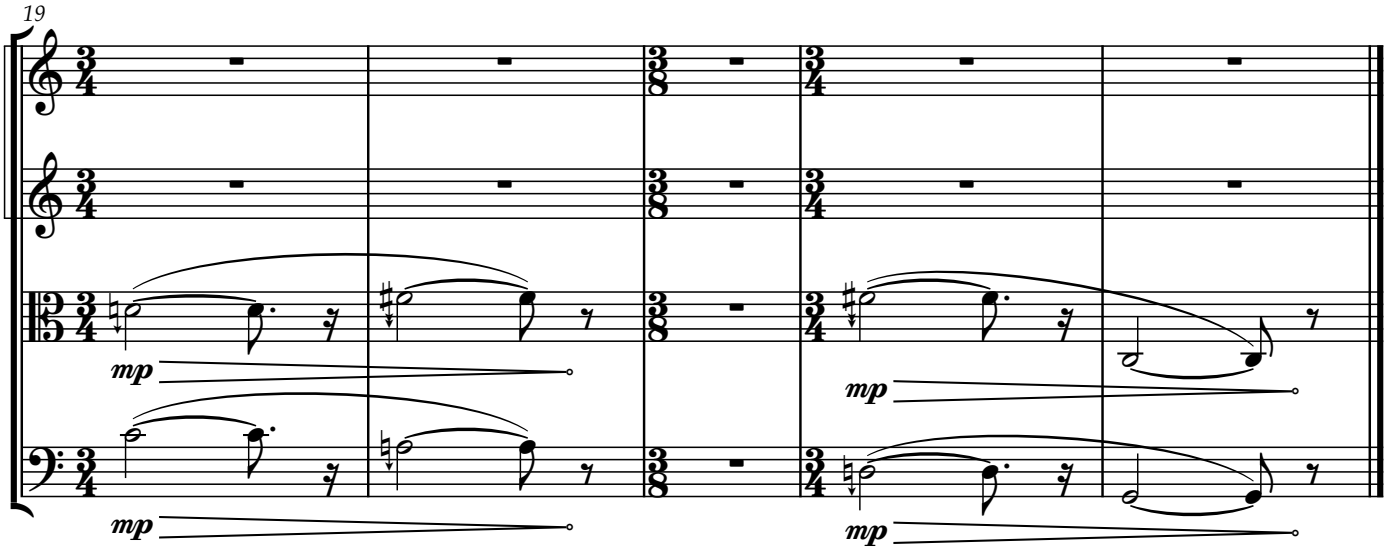
Joe Bates

I. Breathe In, Breathe Out 1

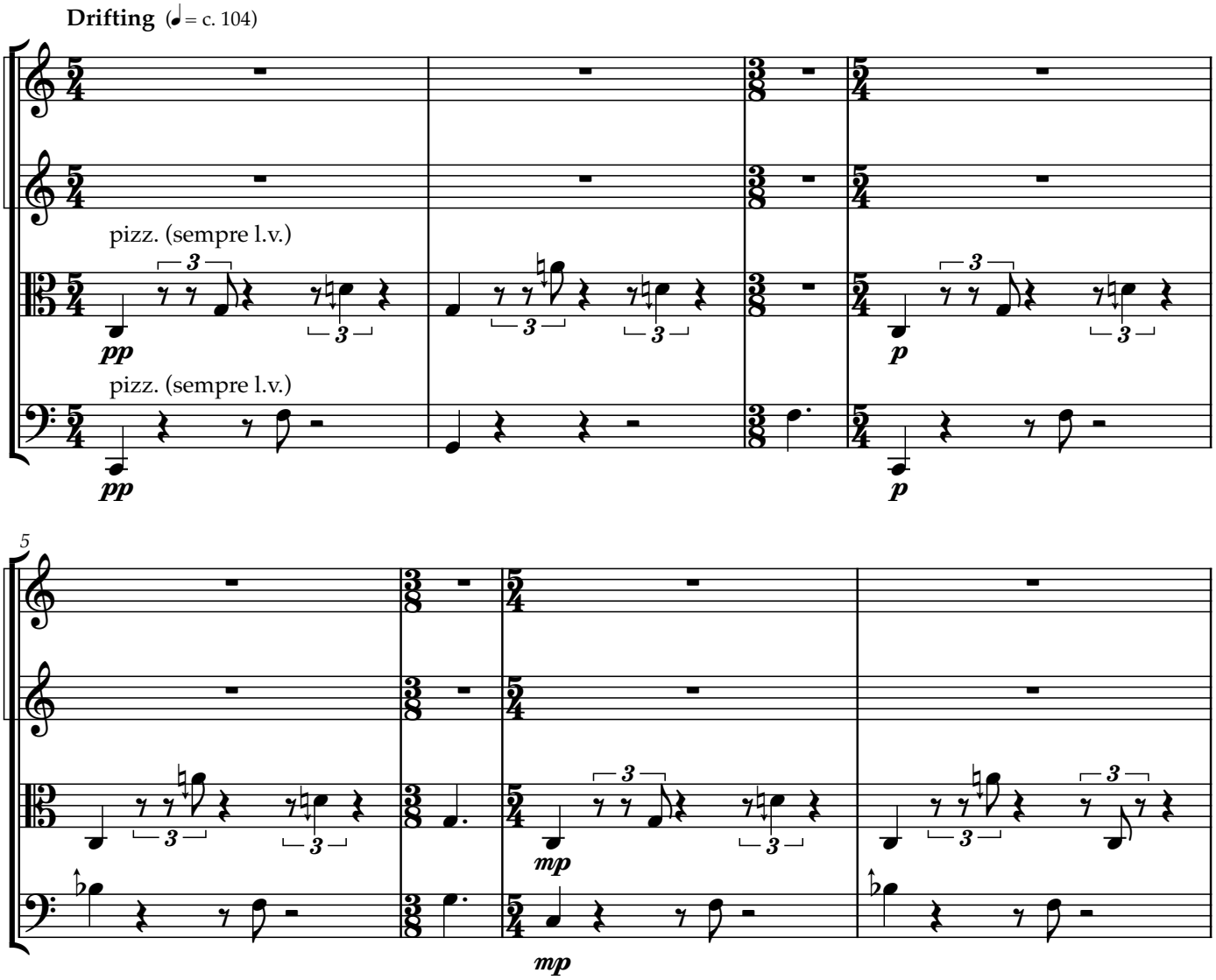
Breathing (♩ = c. 66)

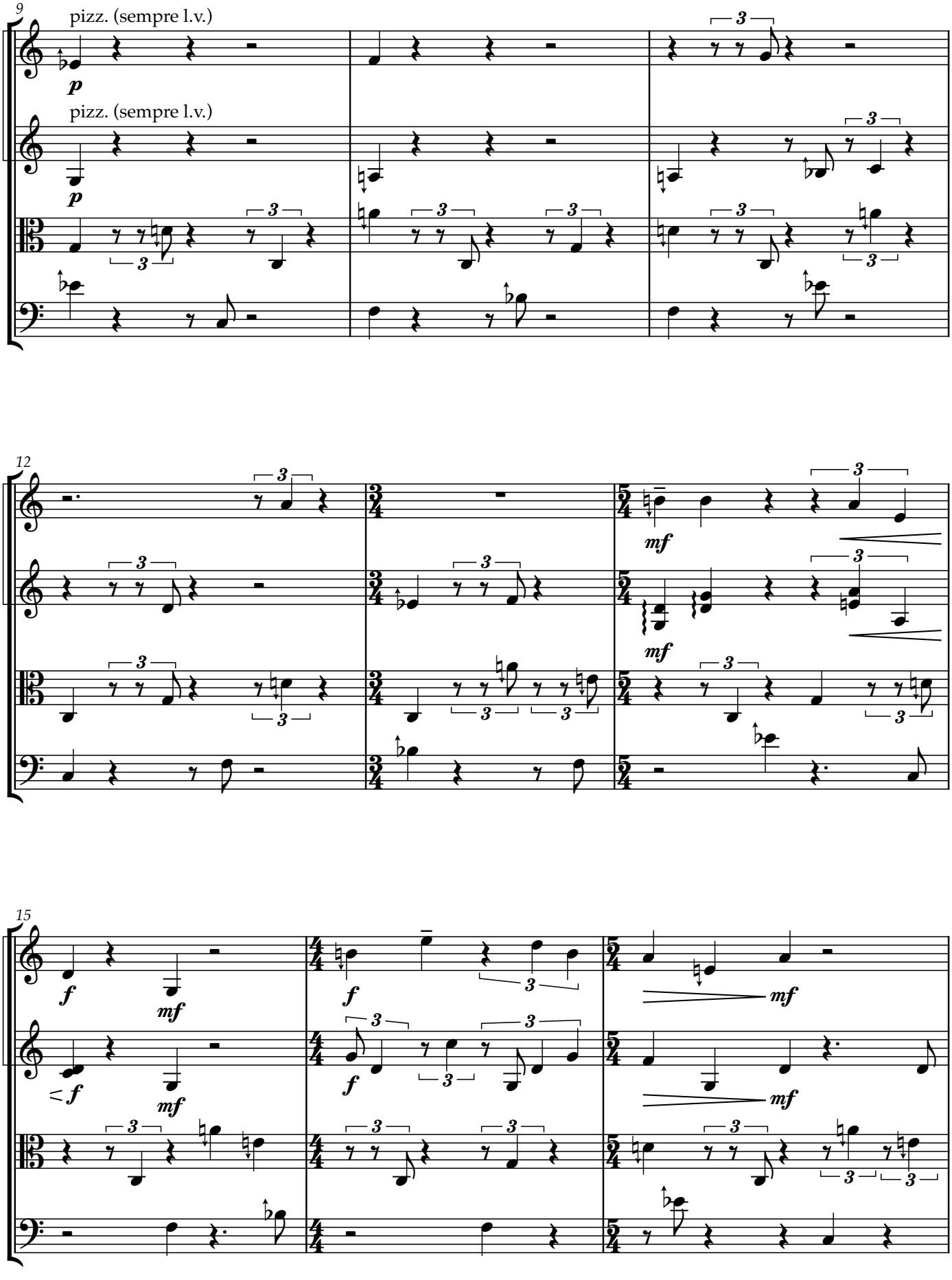


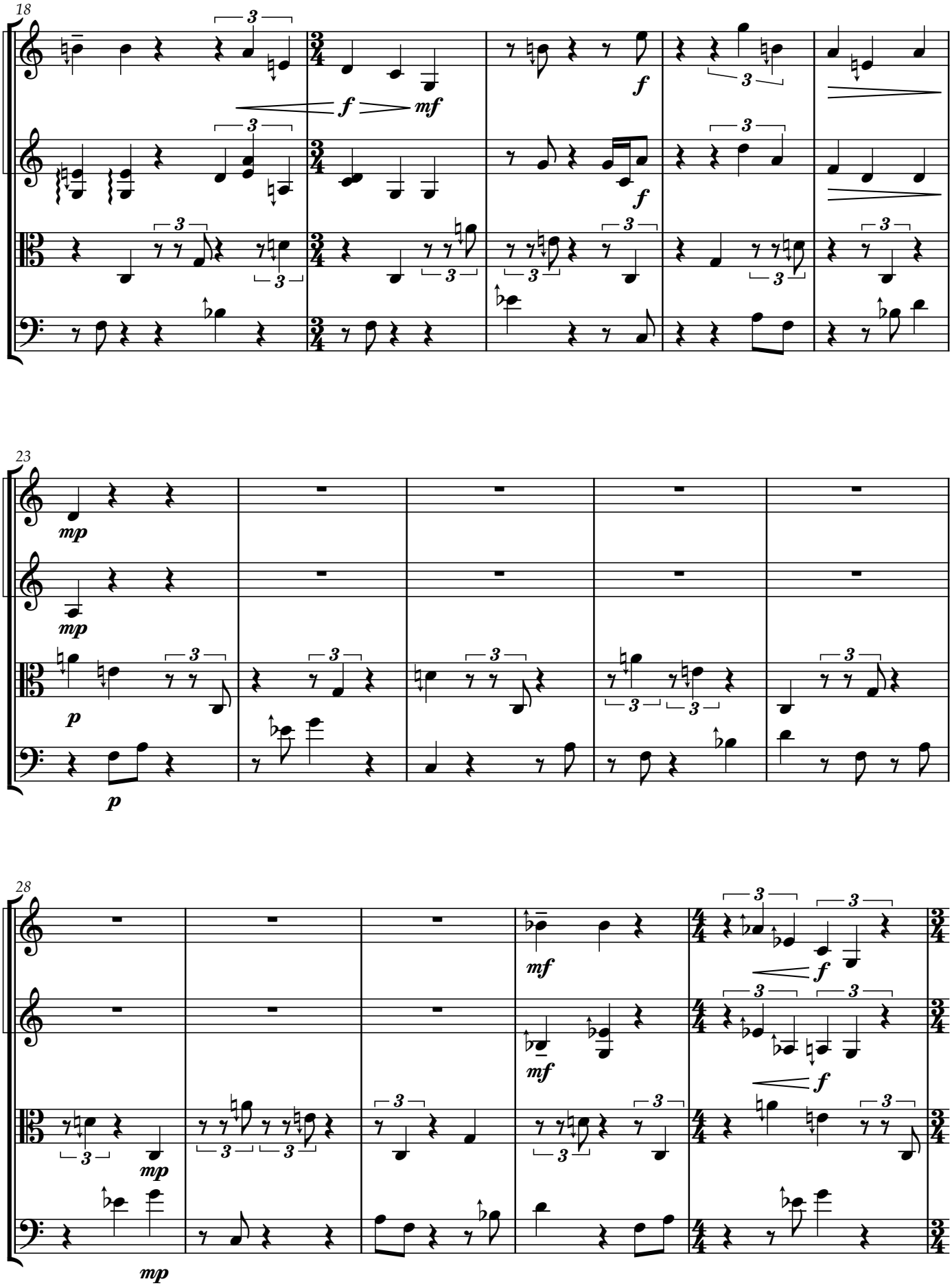
Joe Bates, 2023

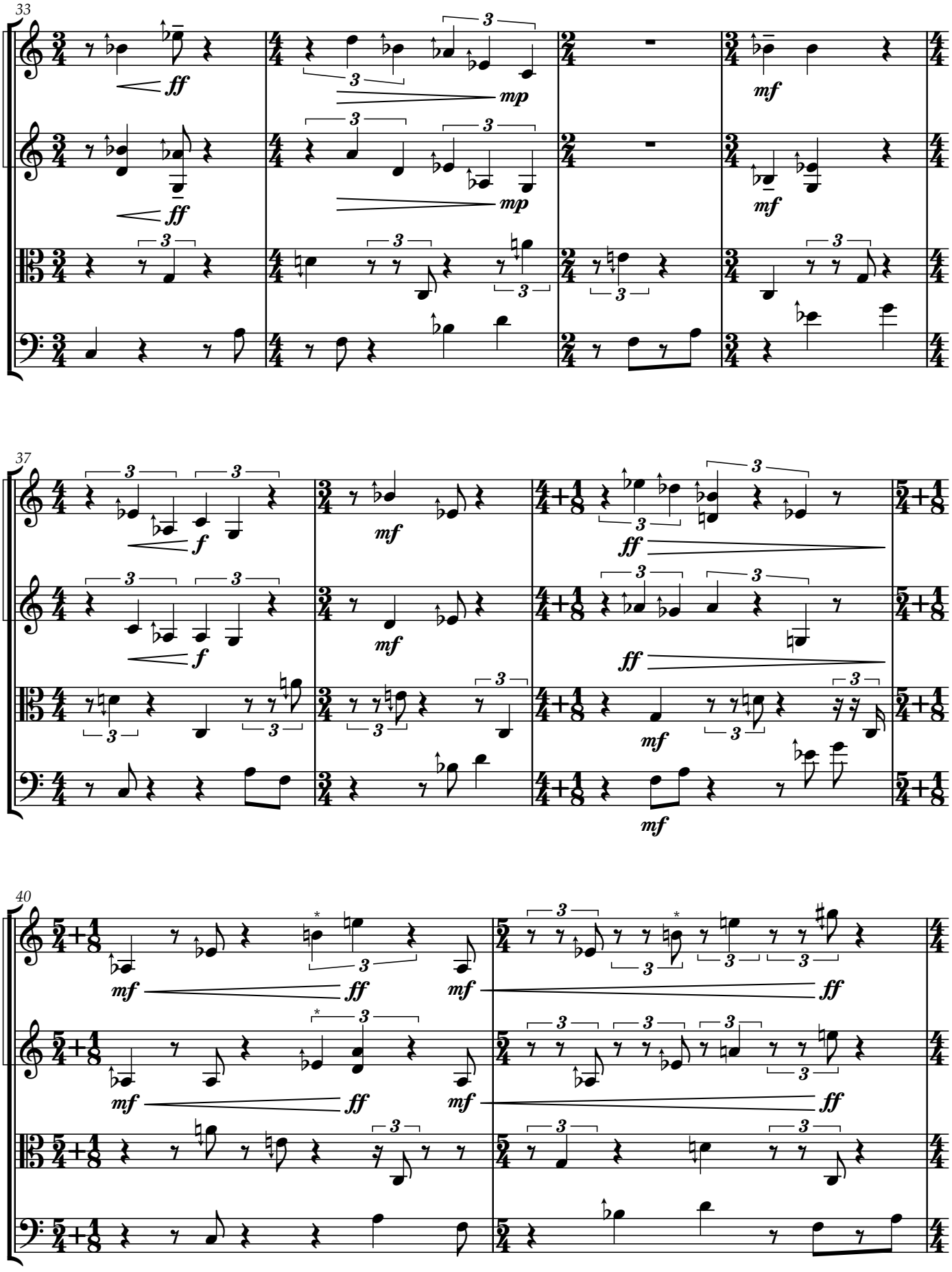


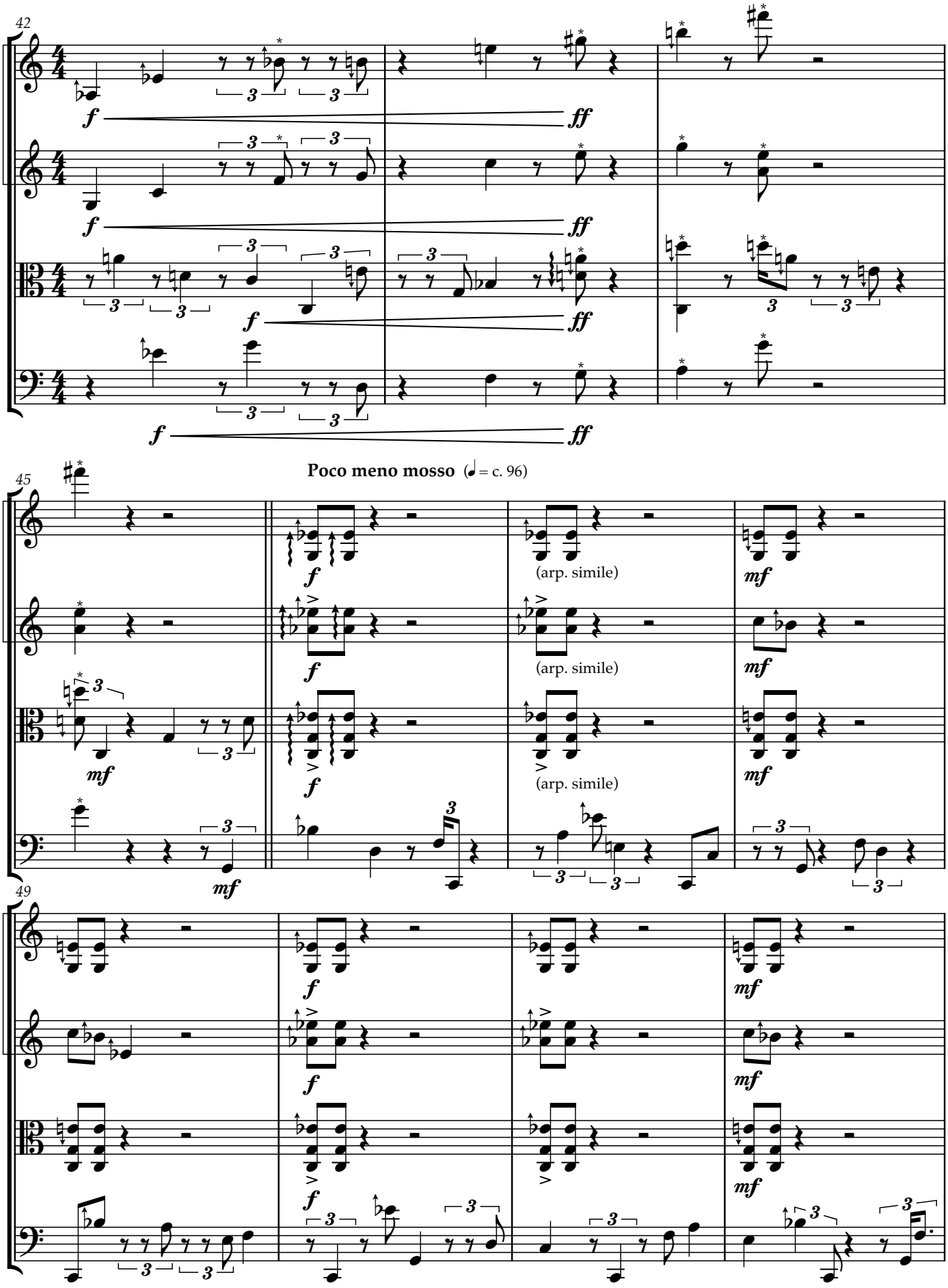
II. How To Go Outside

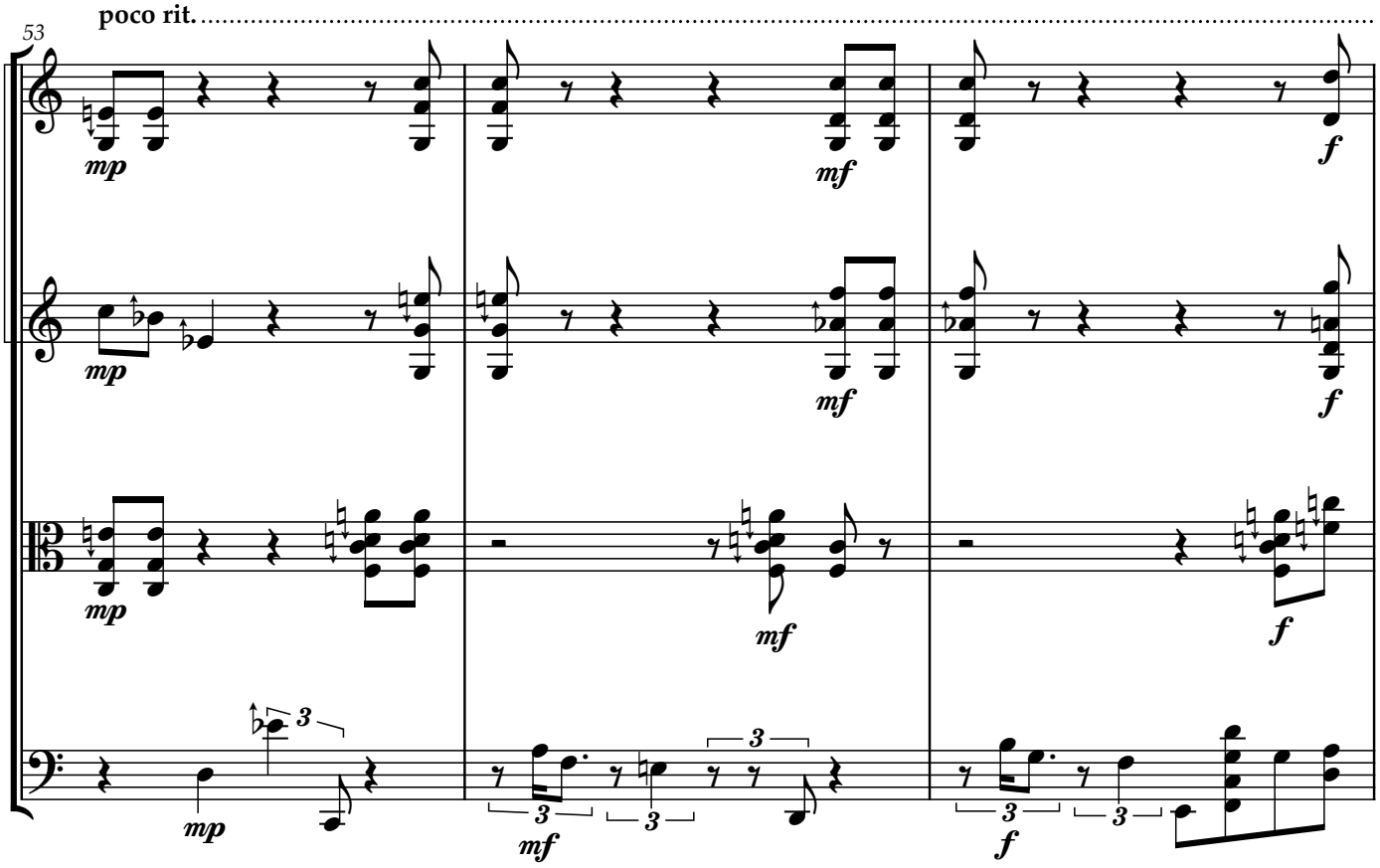


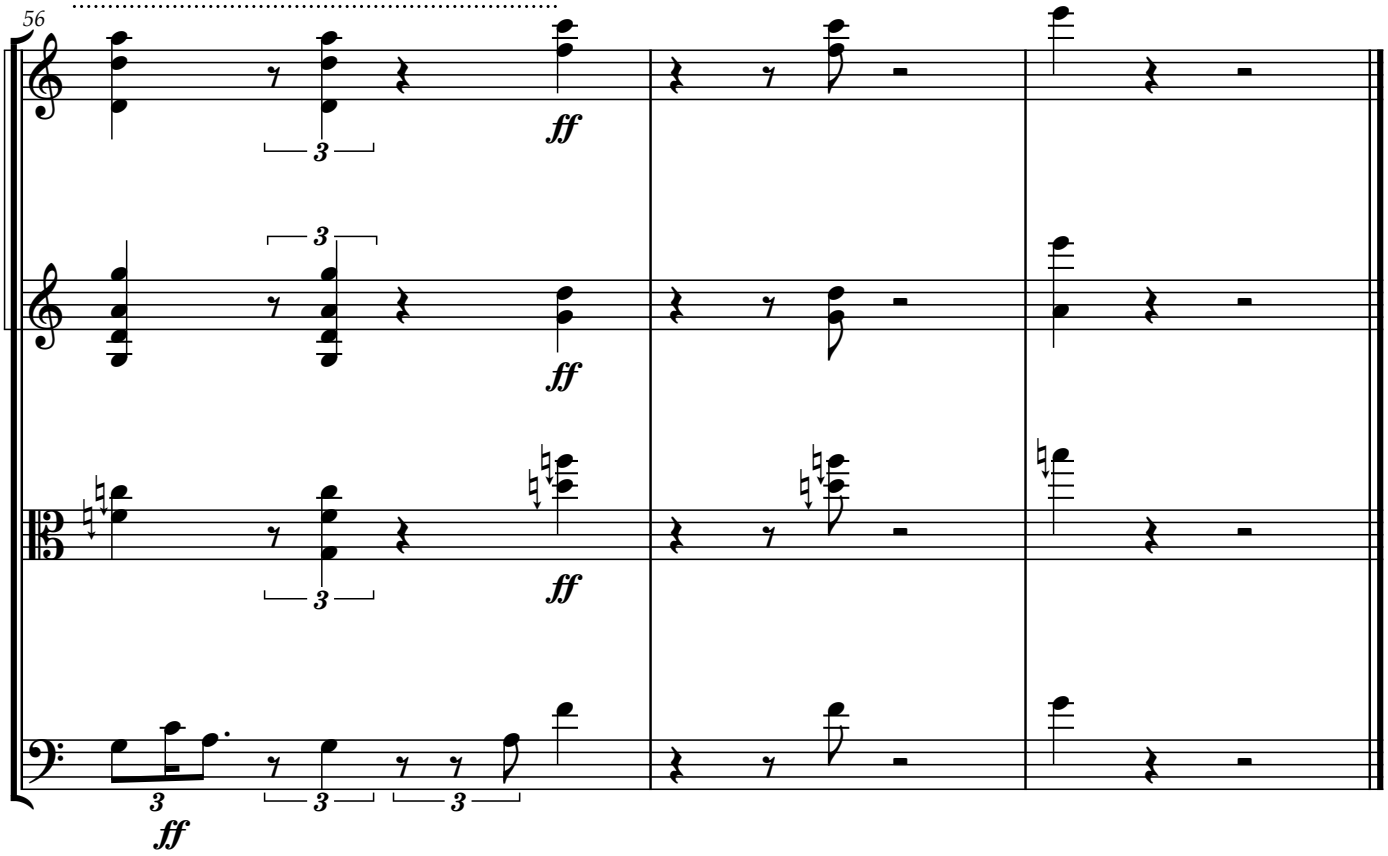

9
pizz. (sempre l.v.)
p
pizz. (sempre l.v.)
p
12
mf
mf
15
f
mf
f
mf
f
mf
mf


18
23
28


33
37
40

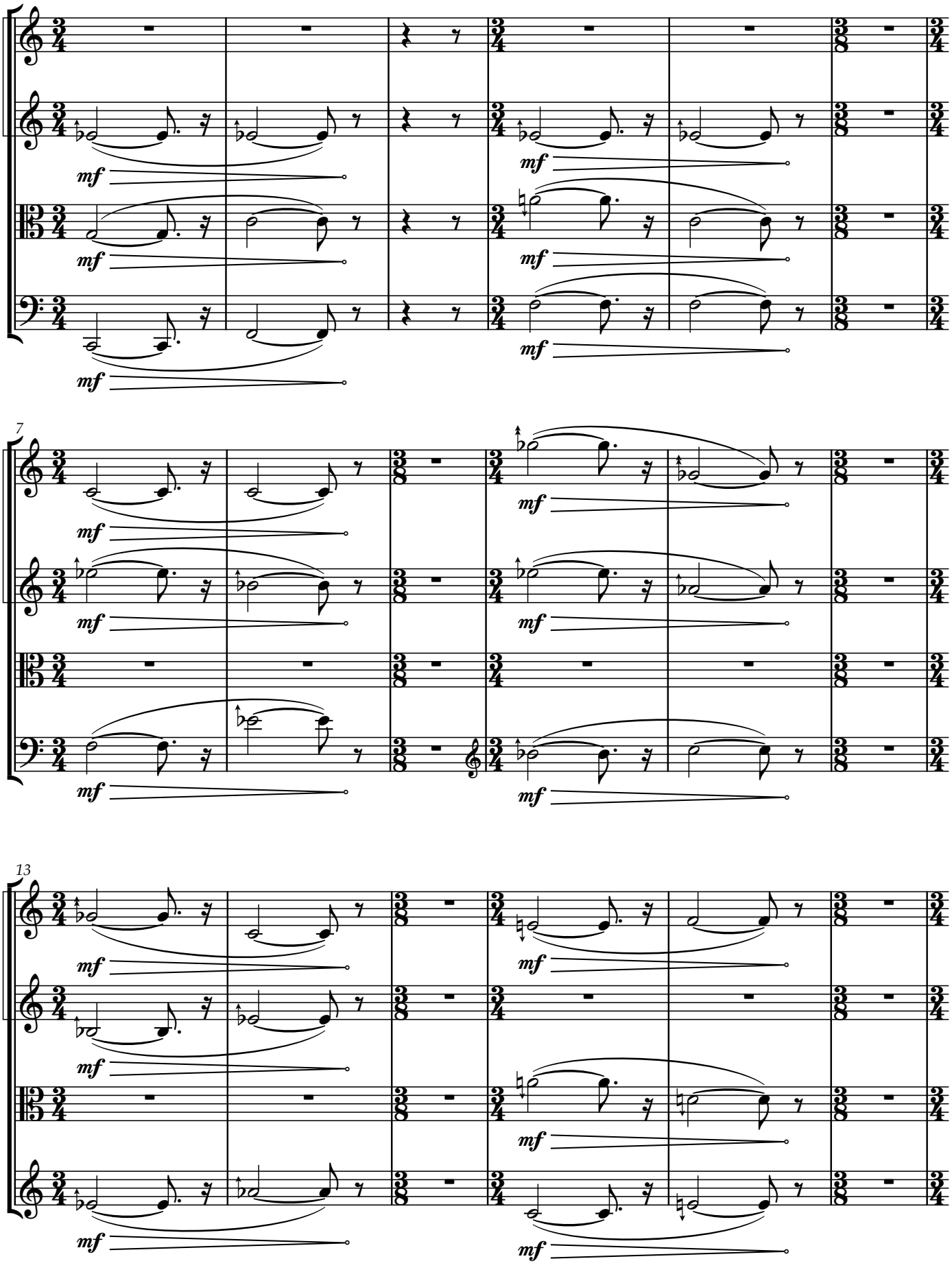

42
45
Poco meno mosso (♩ = c. 96)
(arp. simile)
(arp. simile)
(arp. simile)
49

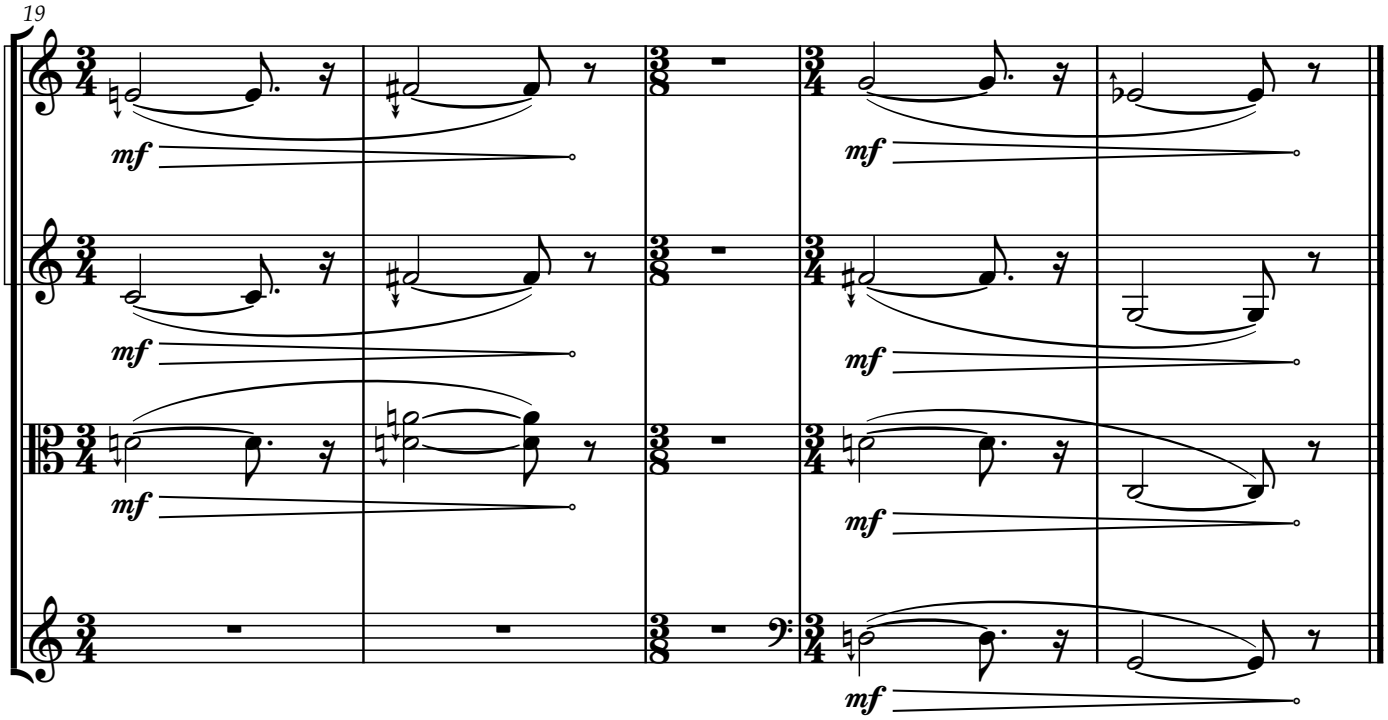

poco rit.
53
mp
mf
f
3


56
ff
3

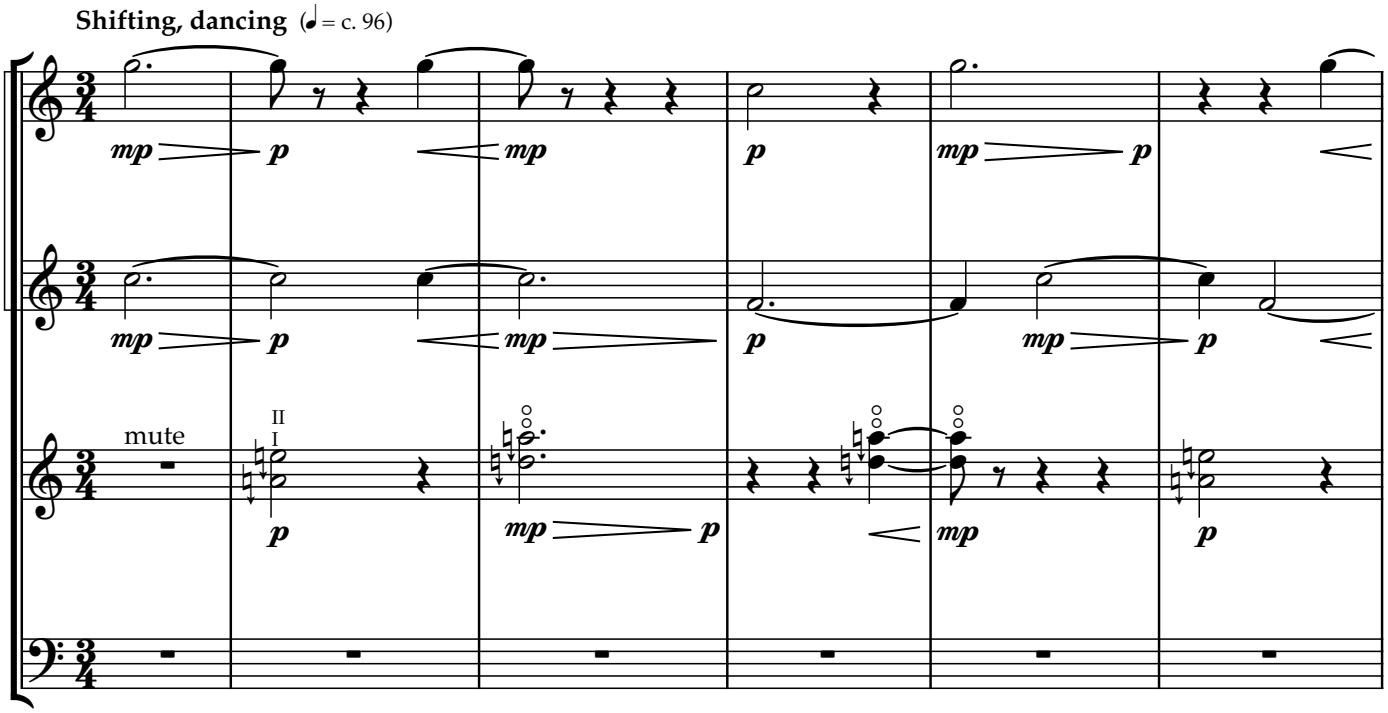
III. Breathe In, Breathe Out 2

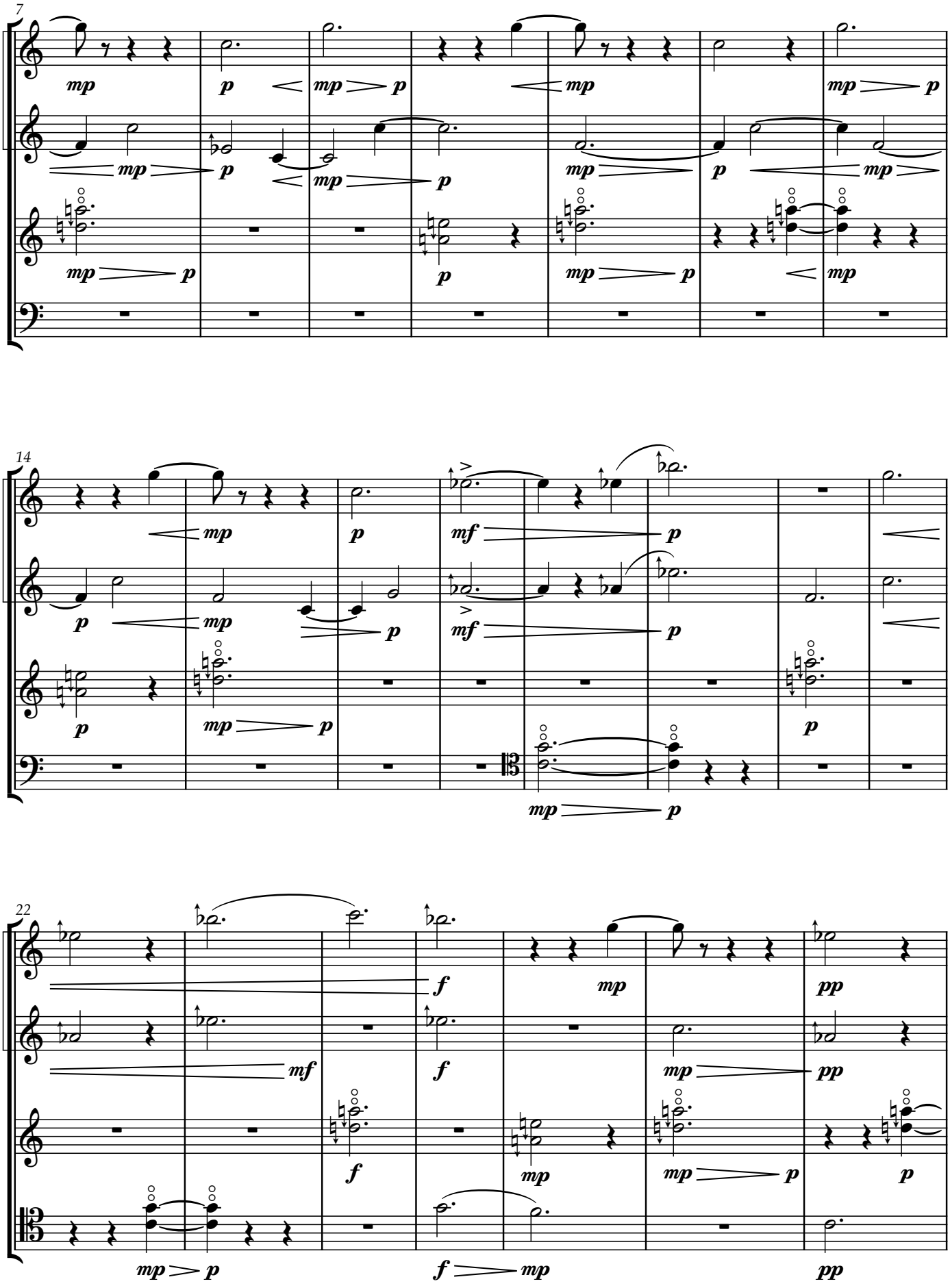
Breathing (♩ = c. 66)

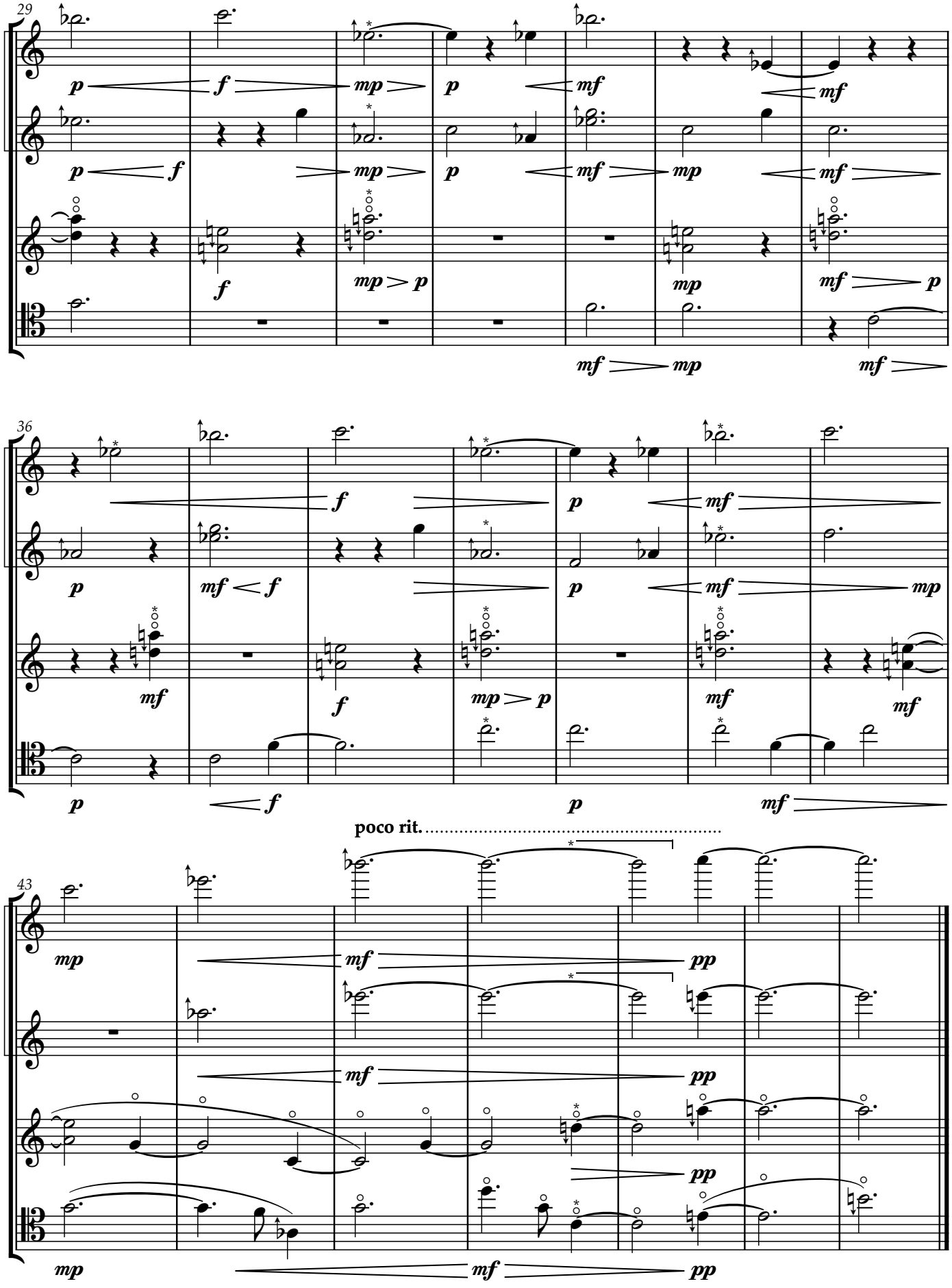




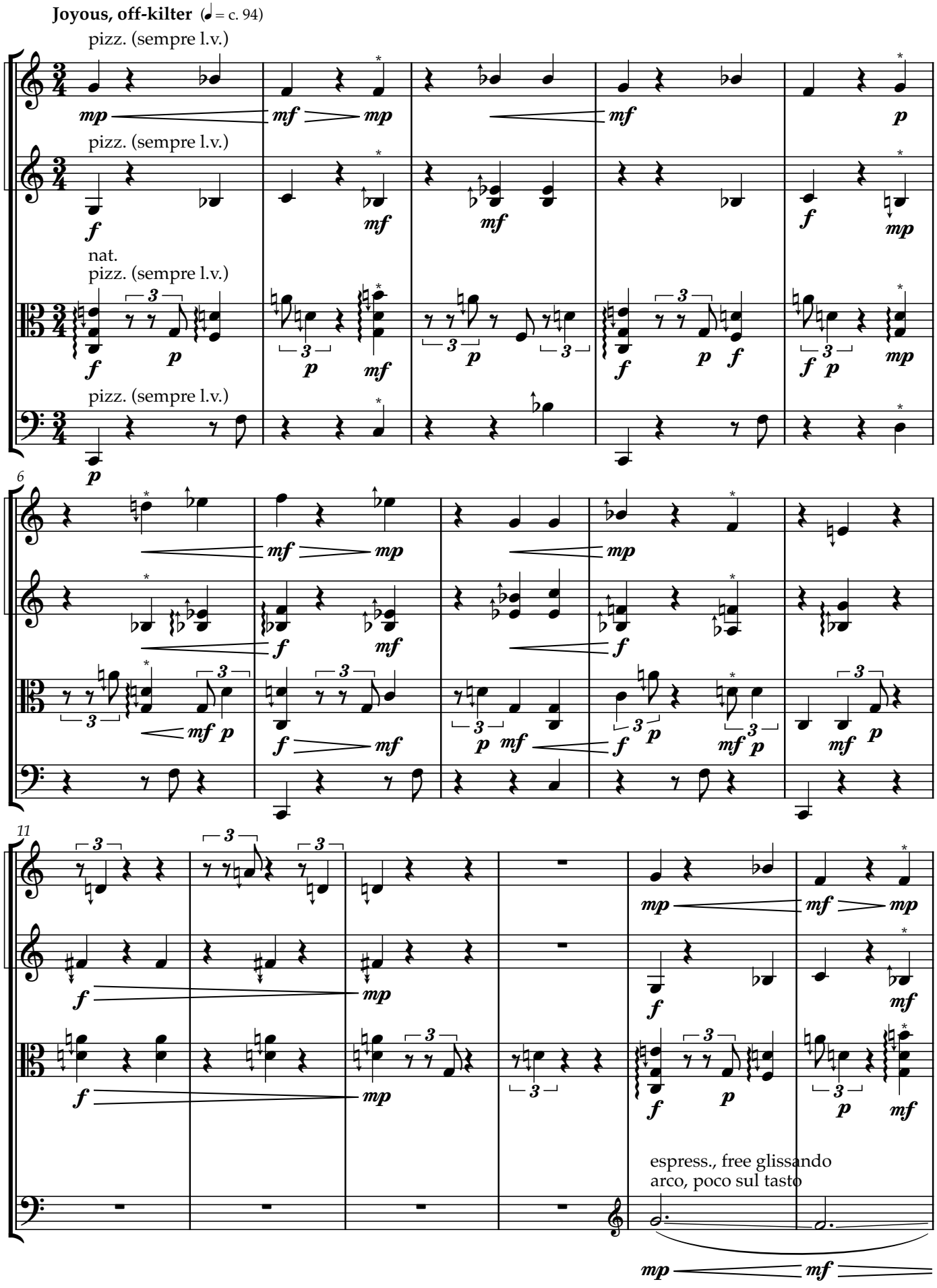
IV. How To Be Outside

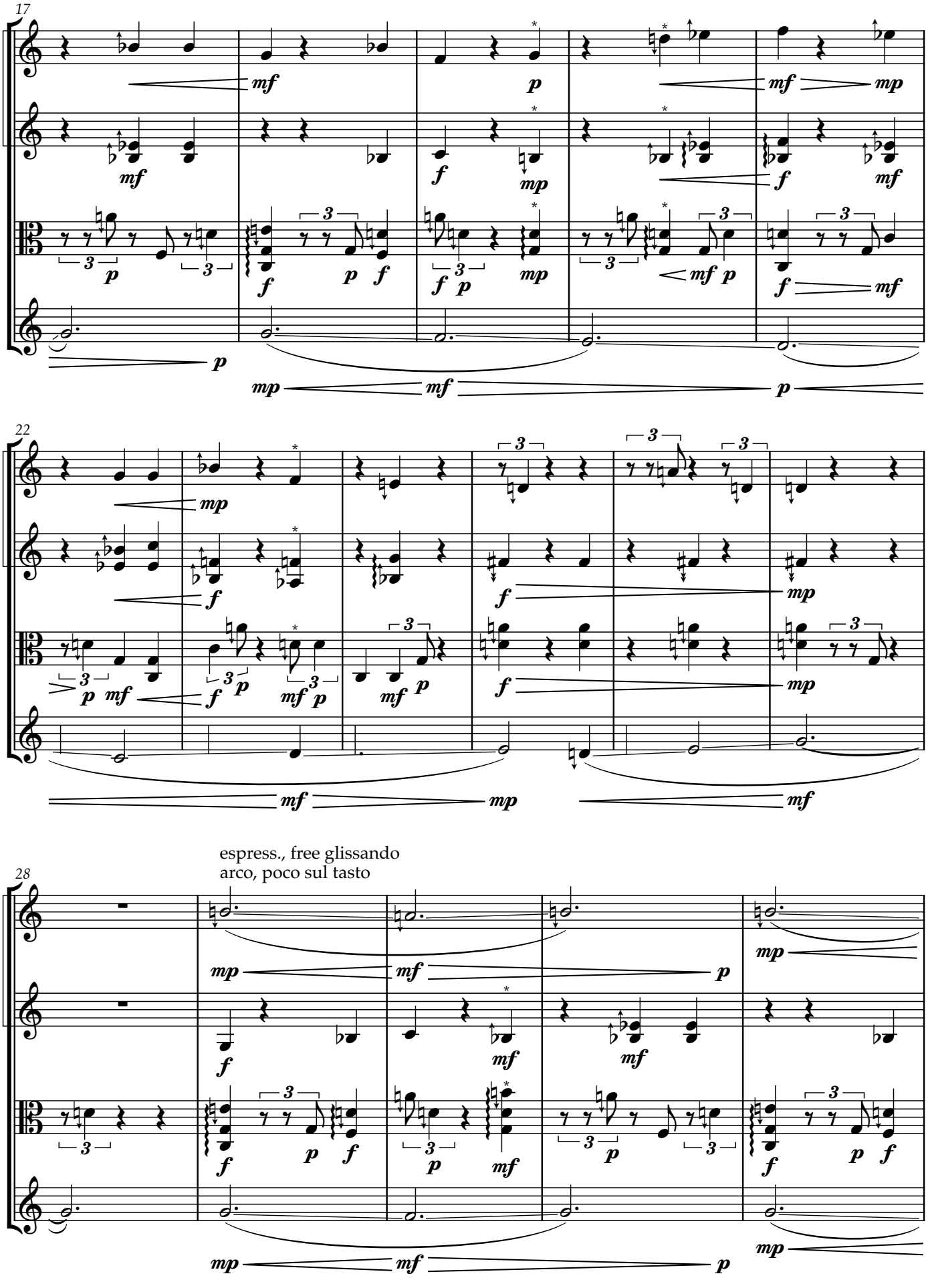


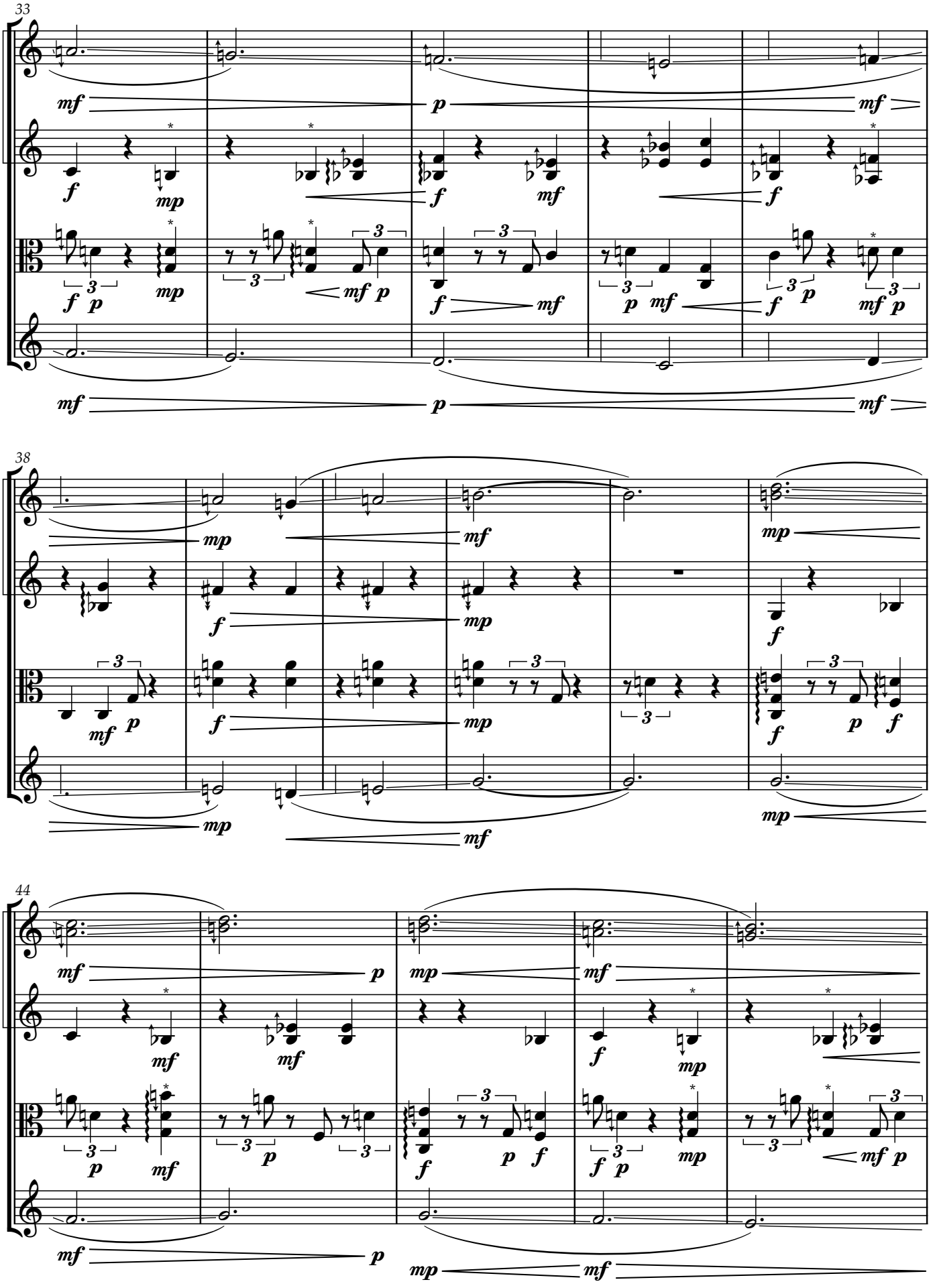

7
mp p mp p mp mp p
mp p mp p mp p mp
mp p p mp p mp
14
mp p mf p
p mp p mf p
p mp p p
mp p
22
f mp pp
mf f mp pp
f mp p p
mp p f mp pp

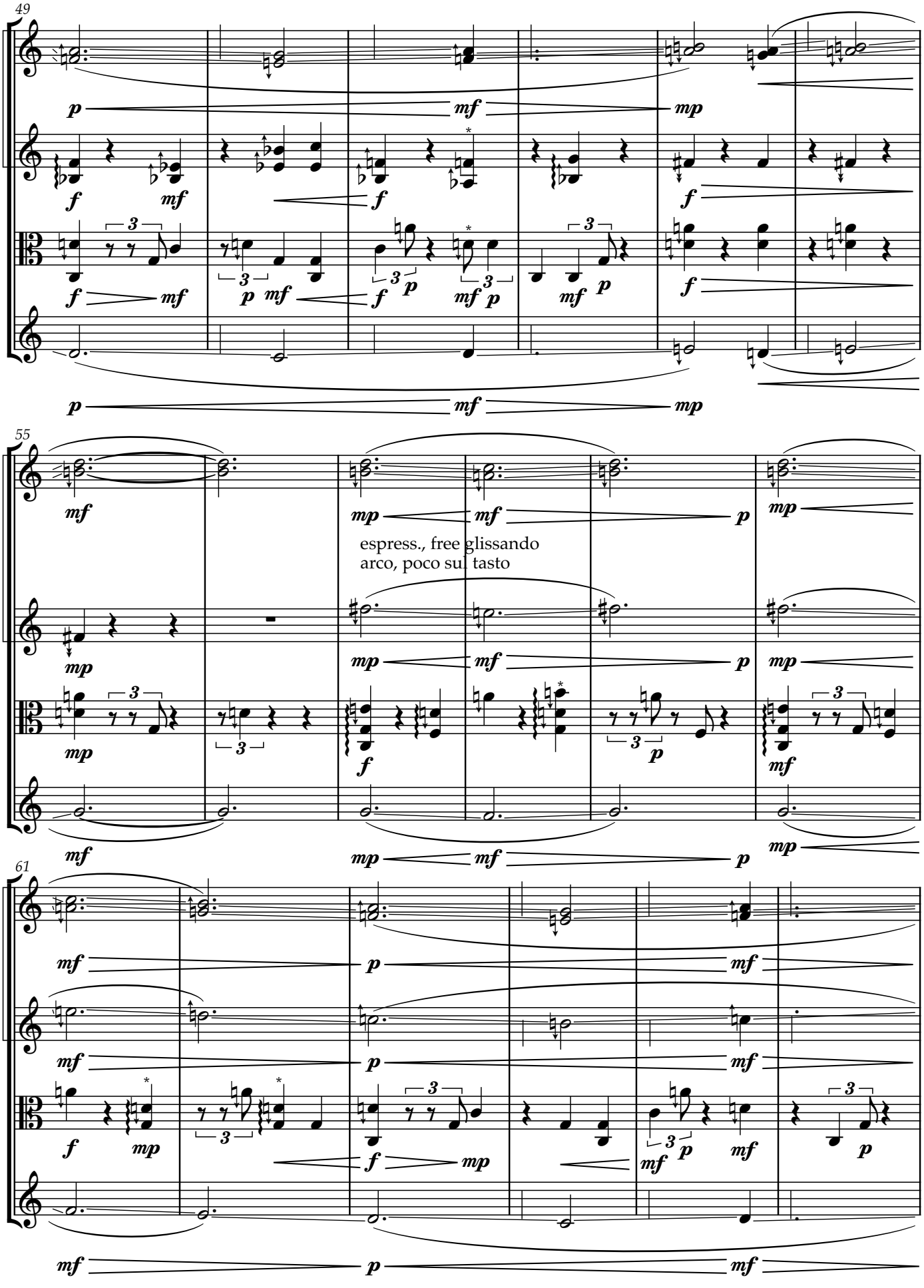

29
36
43
poco rit.

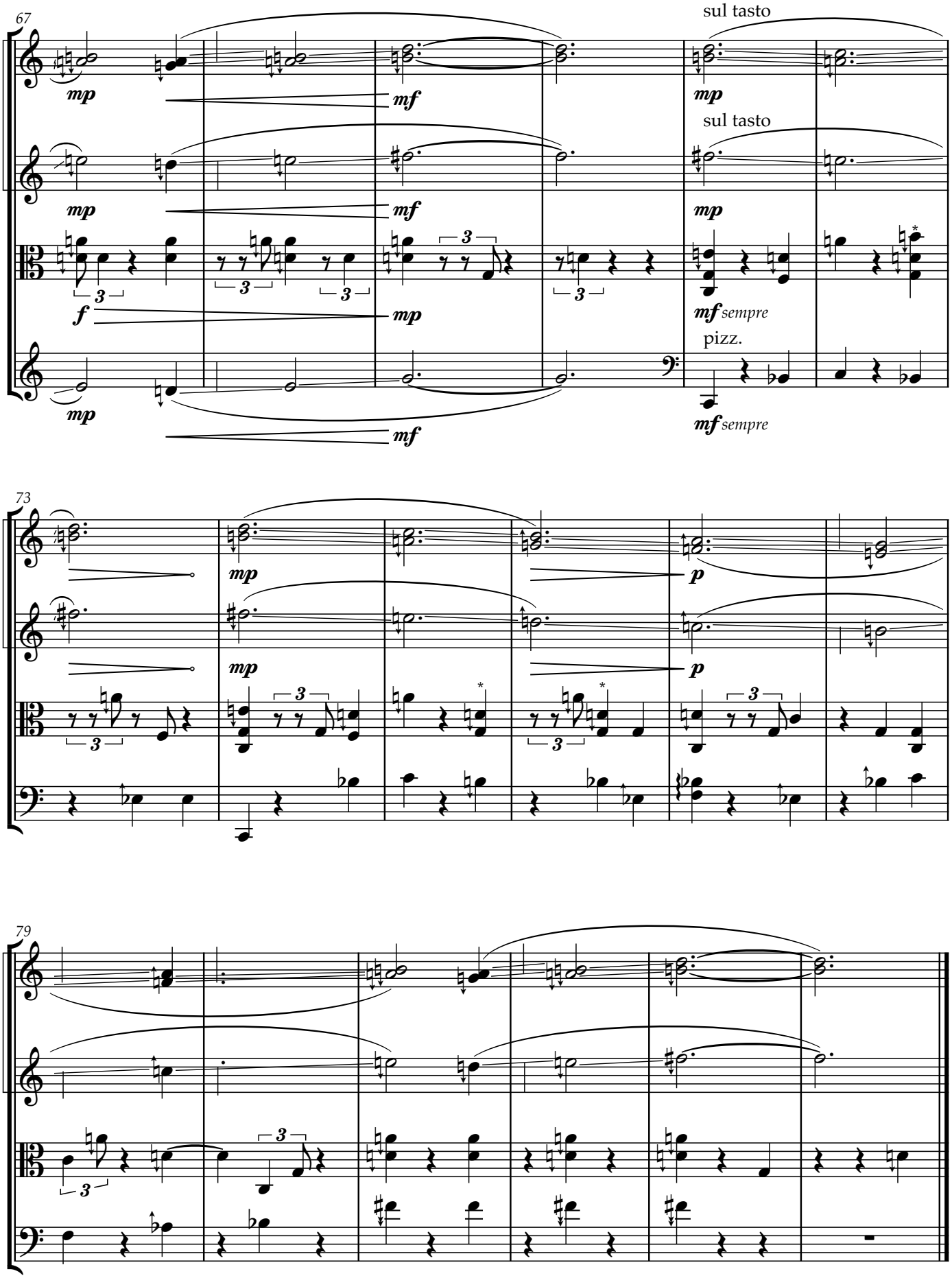
V. Earthing


Joyous, off-kilter (♩ = c. 94)
pizz. (sempre l.v.)
pizz. (sempre l.v.)
nat.
pizz. (sempre l.v.)
pizz. (sempre l.v.)
6
11
espress., free glissando
arco, poco sul tasto


17
22
28
espress., free glissando
arco, poco sul tasto

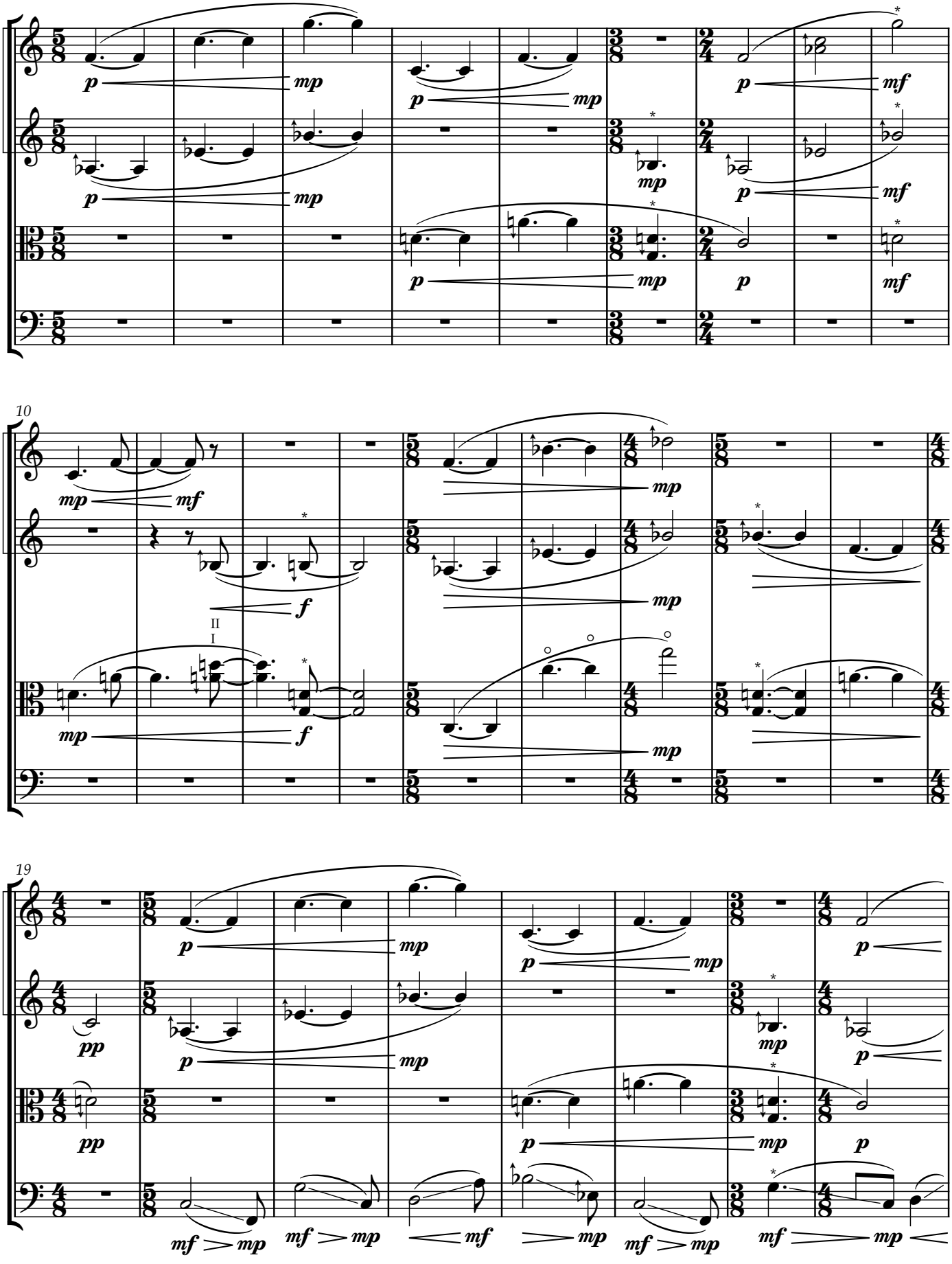

33
38
44

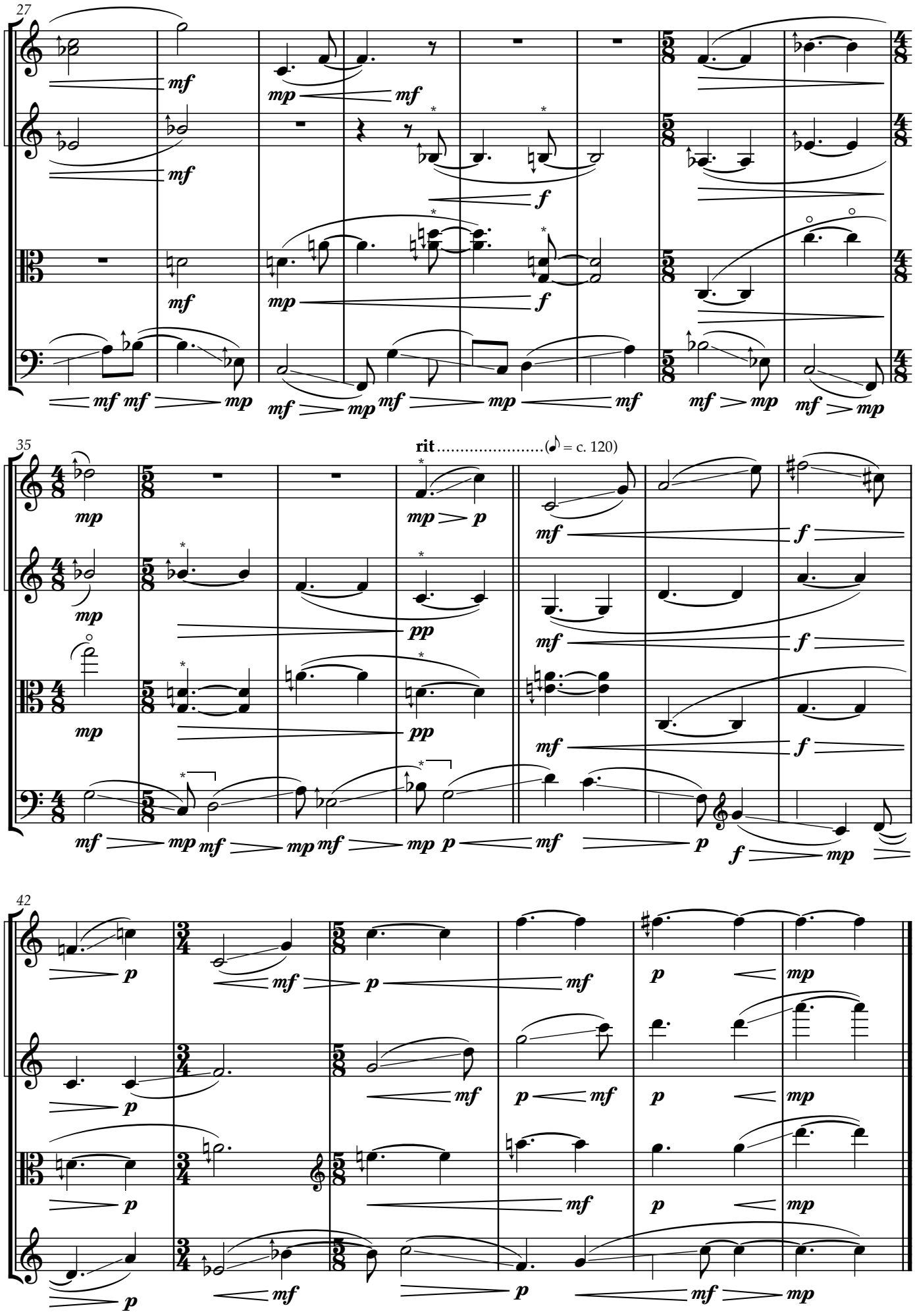

49
55
61
espress., free glissando
arco, poco su. tasto


67
sul tasto
mp
mf
sul tasto
mp
mp
mf
mp
f
mp
mf sempre
pizz.
mp
mf
mf sempre
73
mp
mp
p
p
79

VI. How To Be With Her

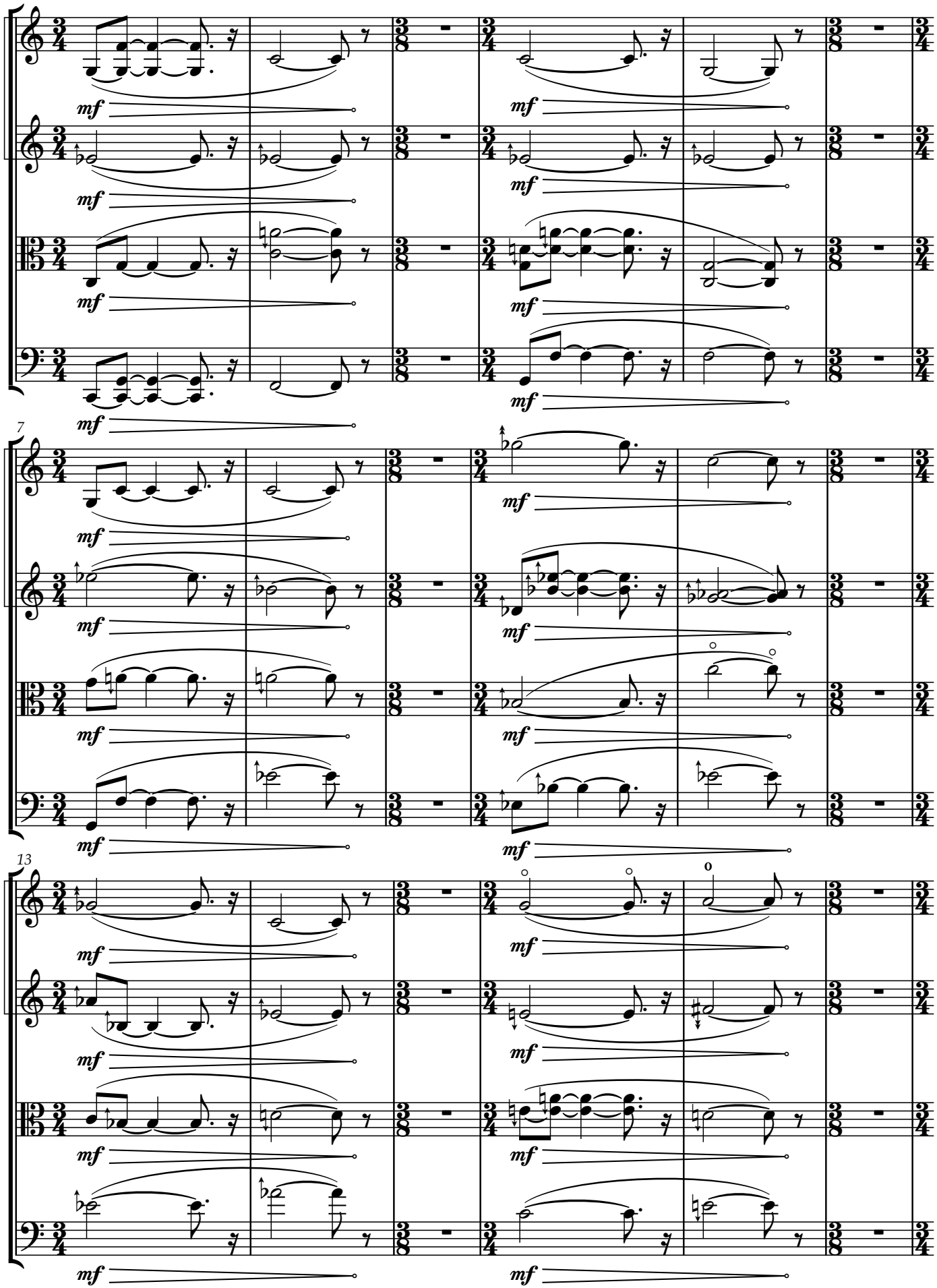
Graceful, unbalanced (♪ = c. 138)




27
35
rit.....(♪ = c. 120)
42

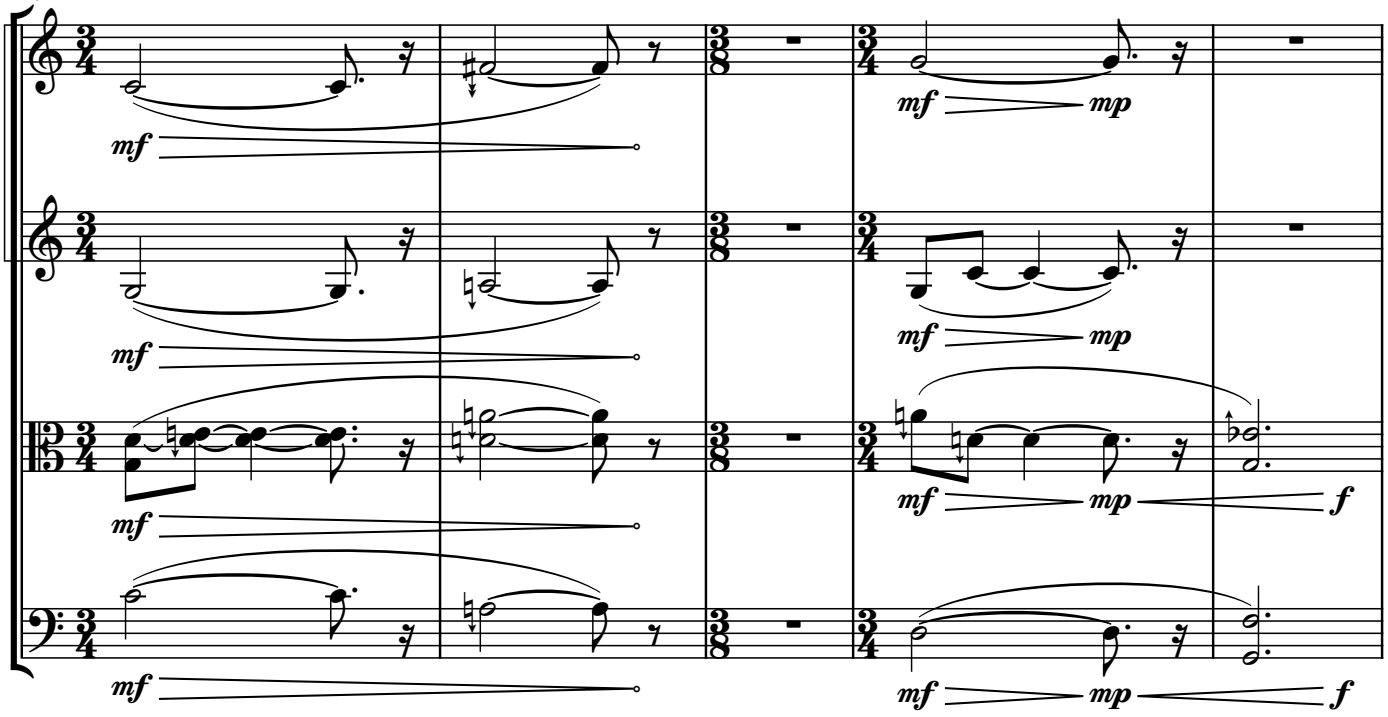
VII. Breathe In, Breathe Out 3

Breathing (♩ = c. 66)



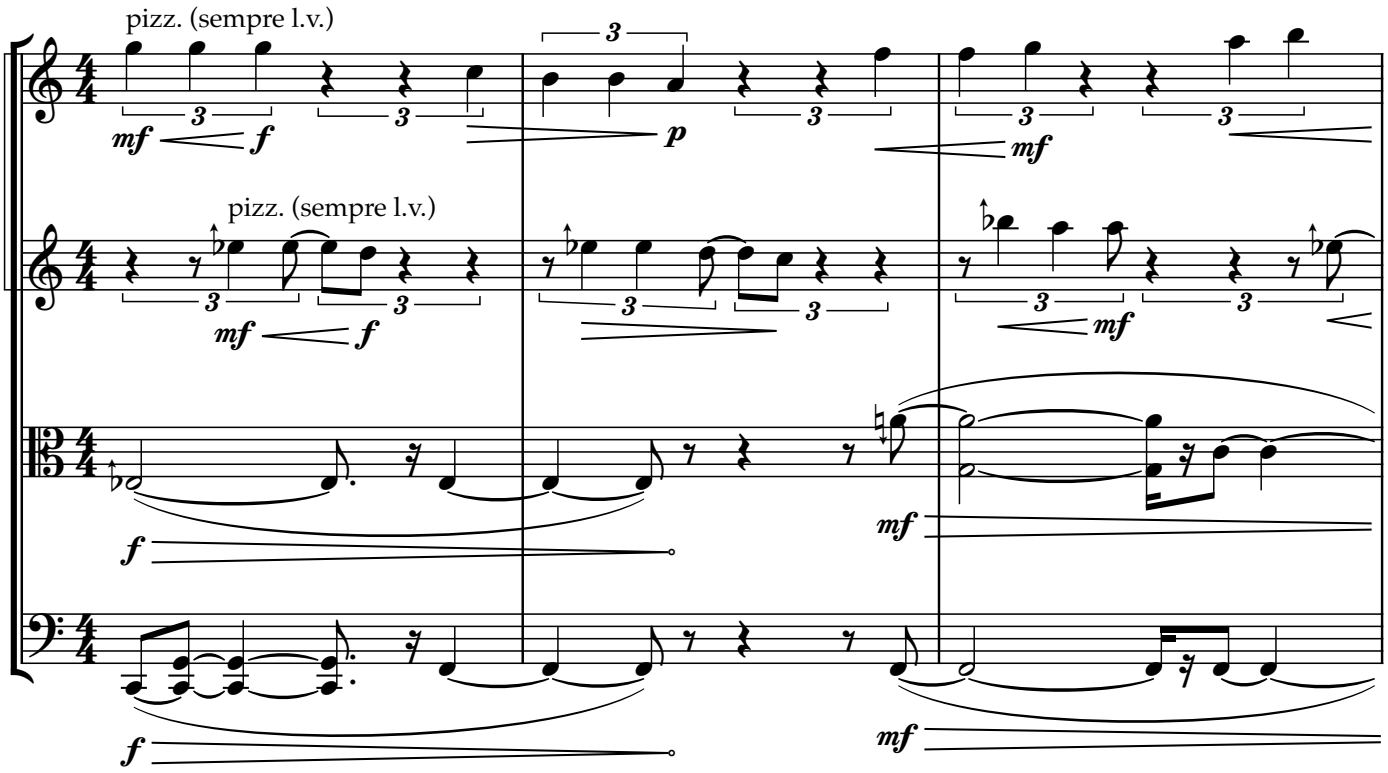
19

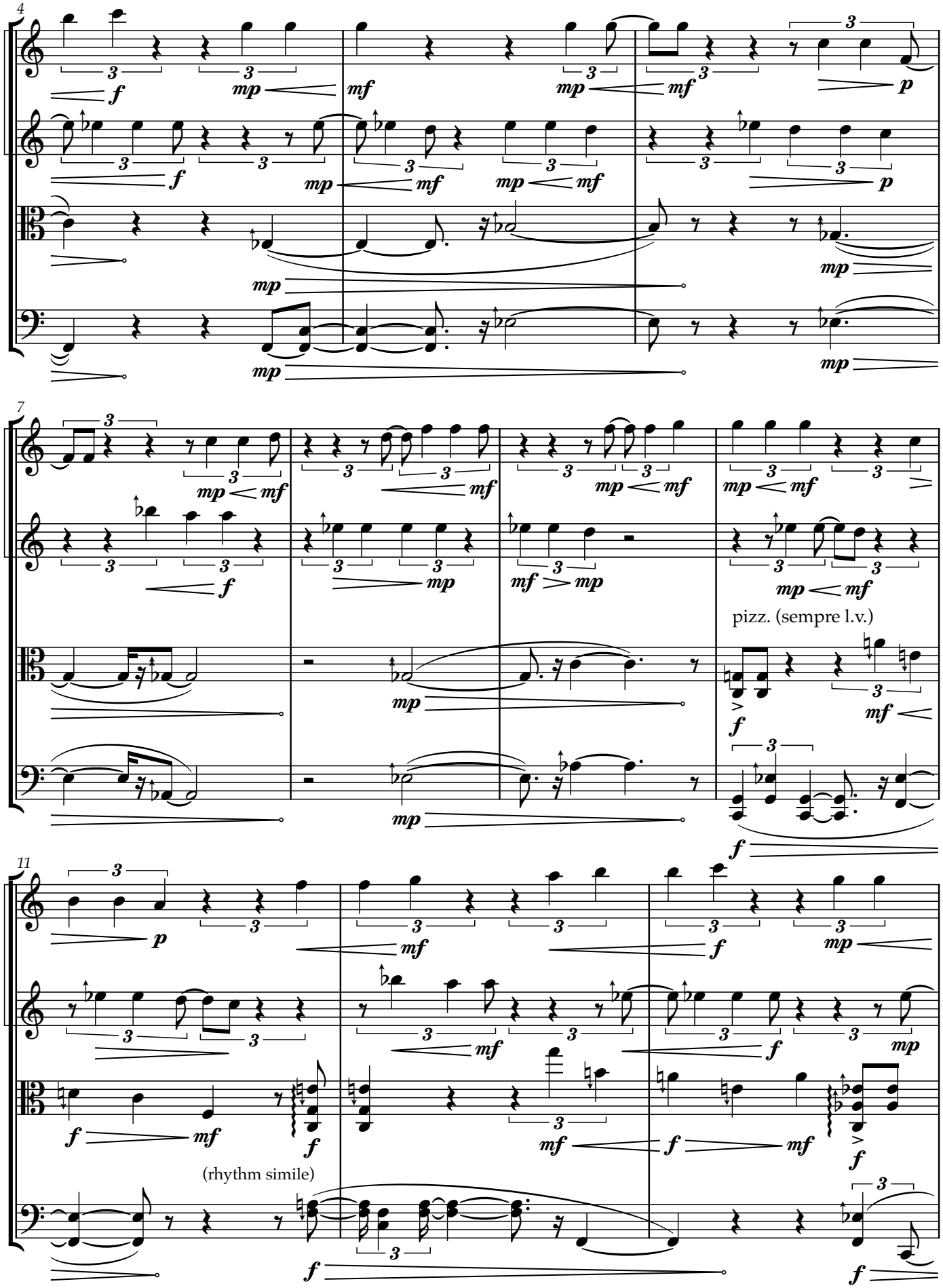
attaca

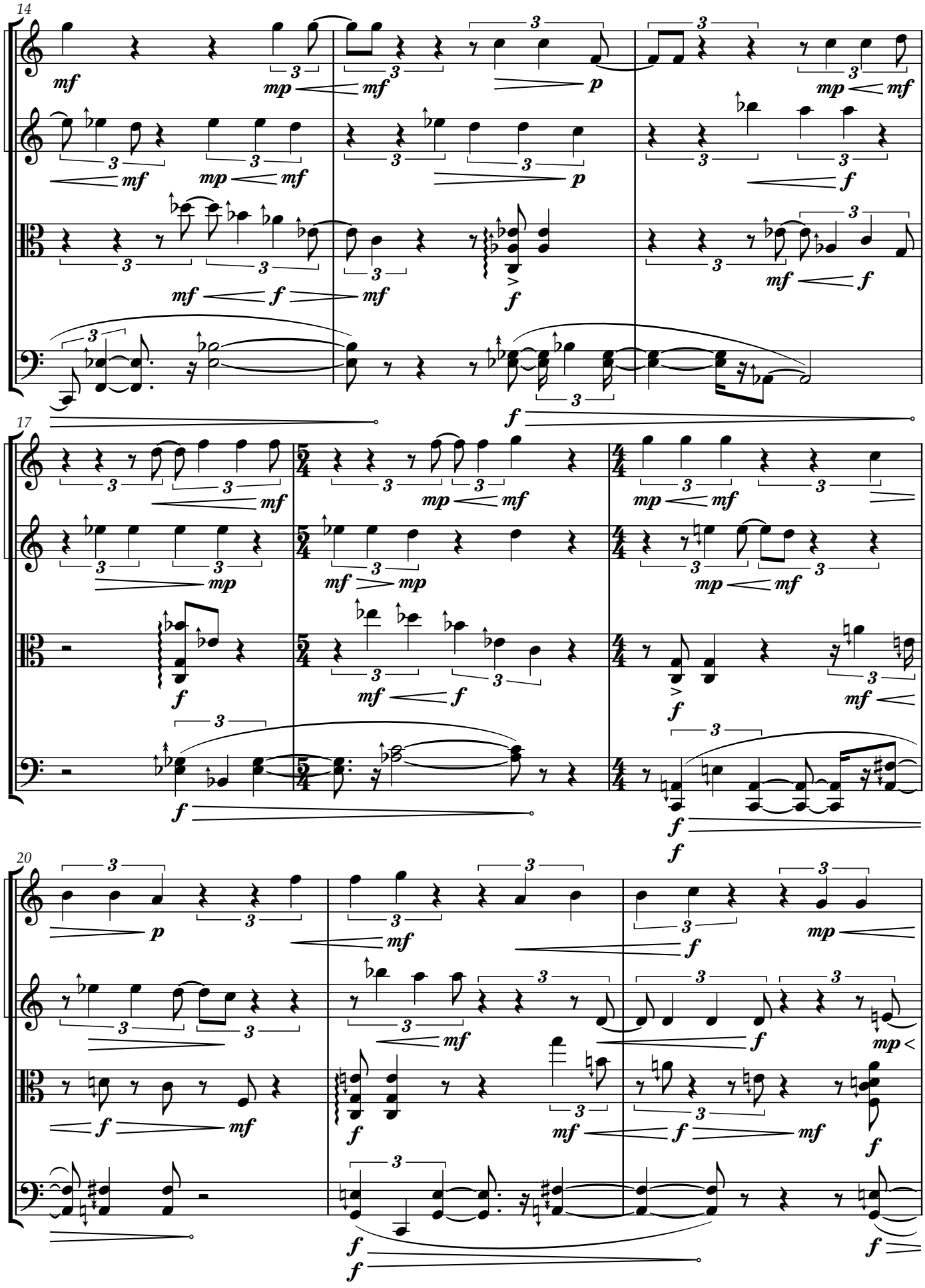


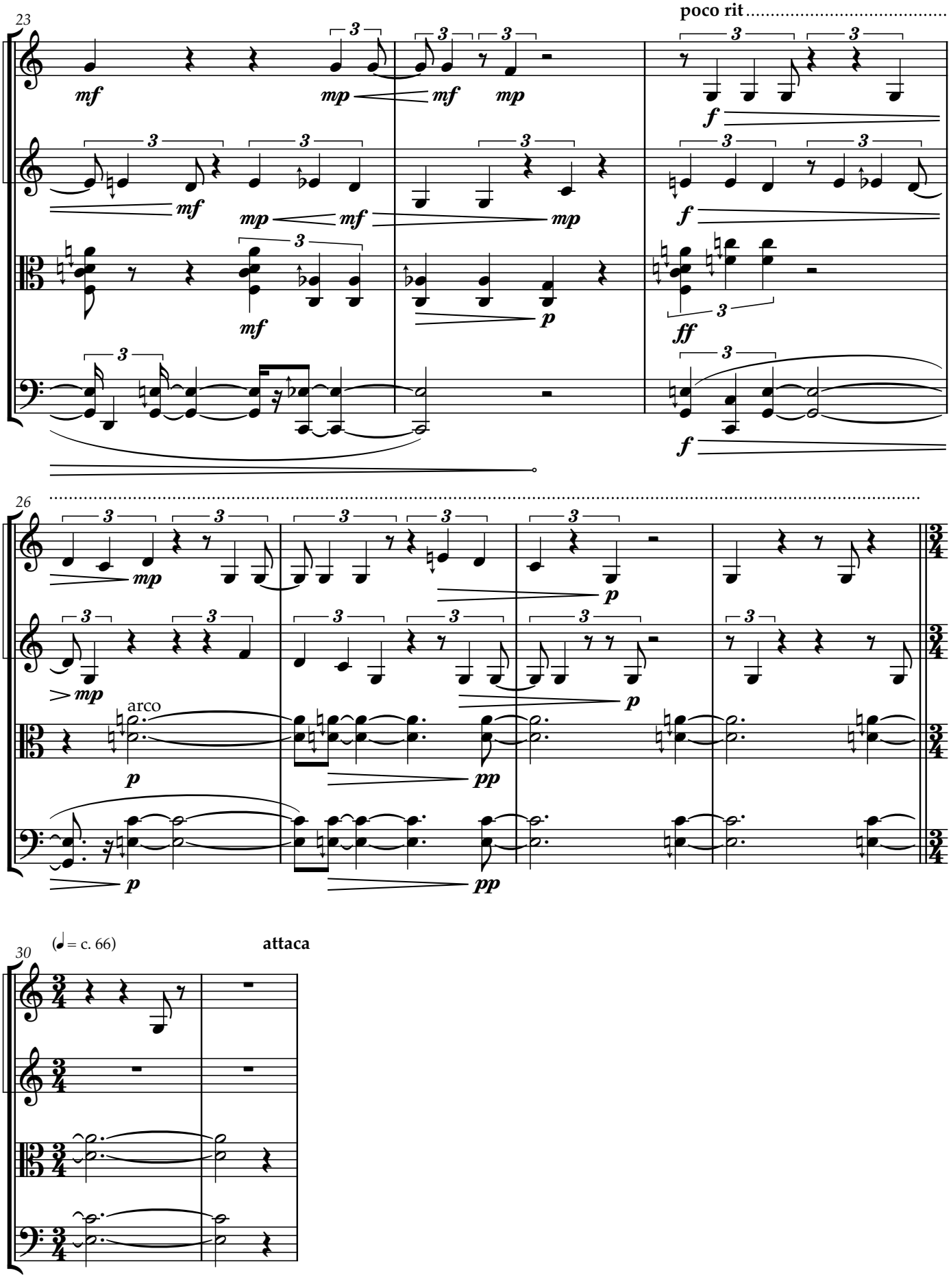
VIII. How To Be With Me

Pressing (♩ = c. 108)

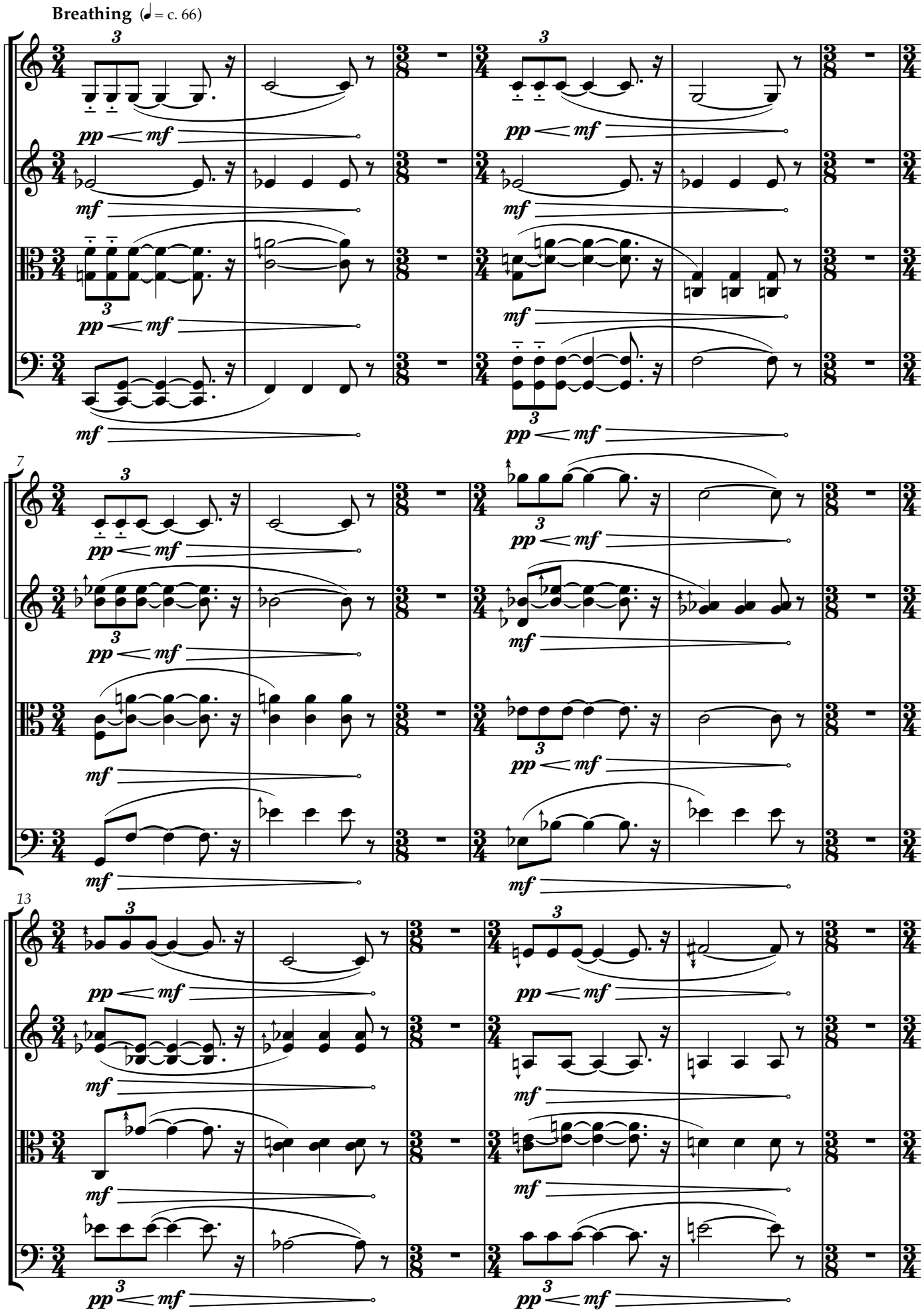


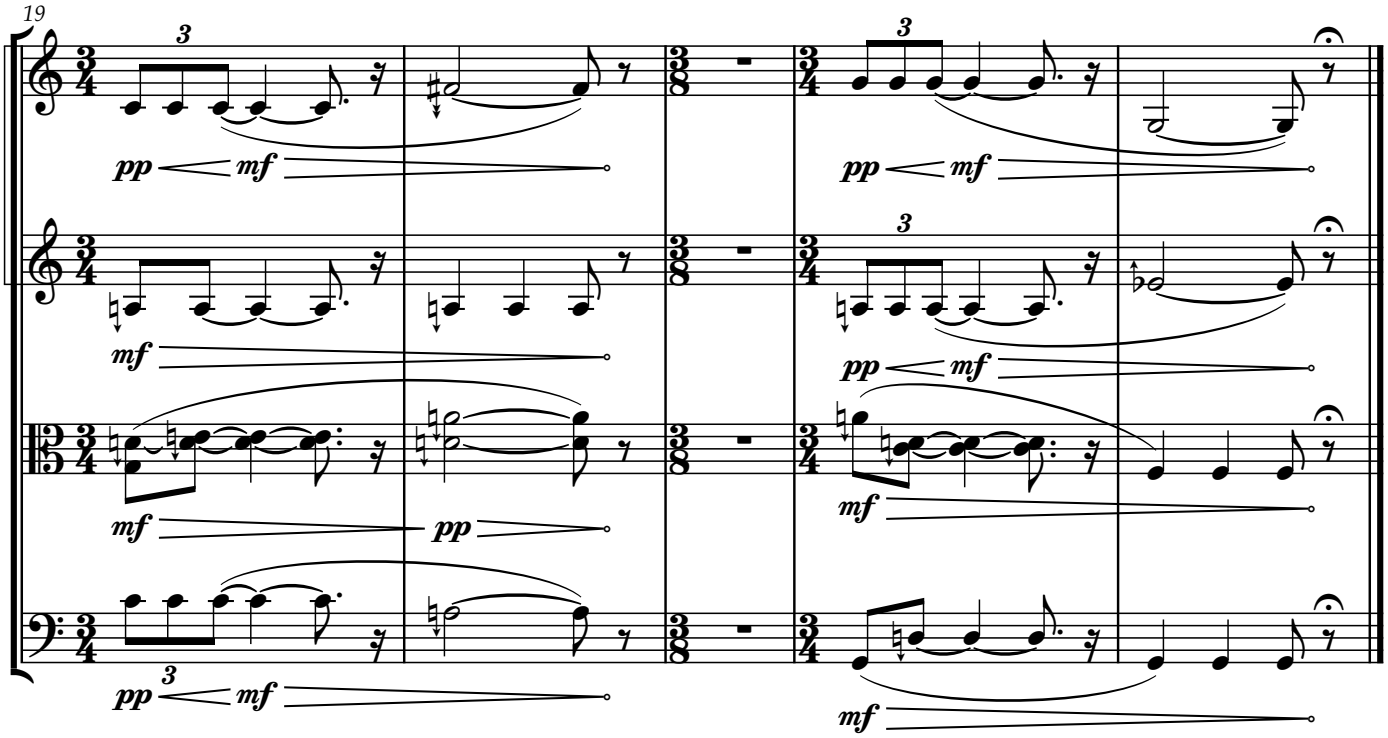

4
7
pizz. (sempre l.v.)
11
(rhythm simile)


14
17
20

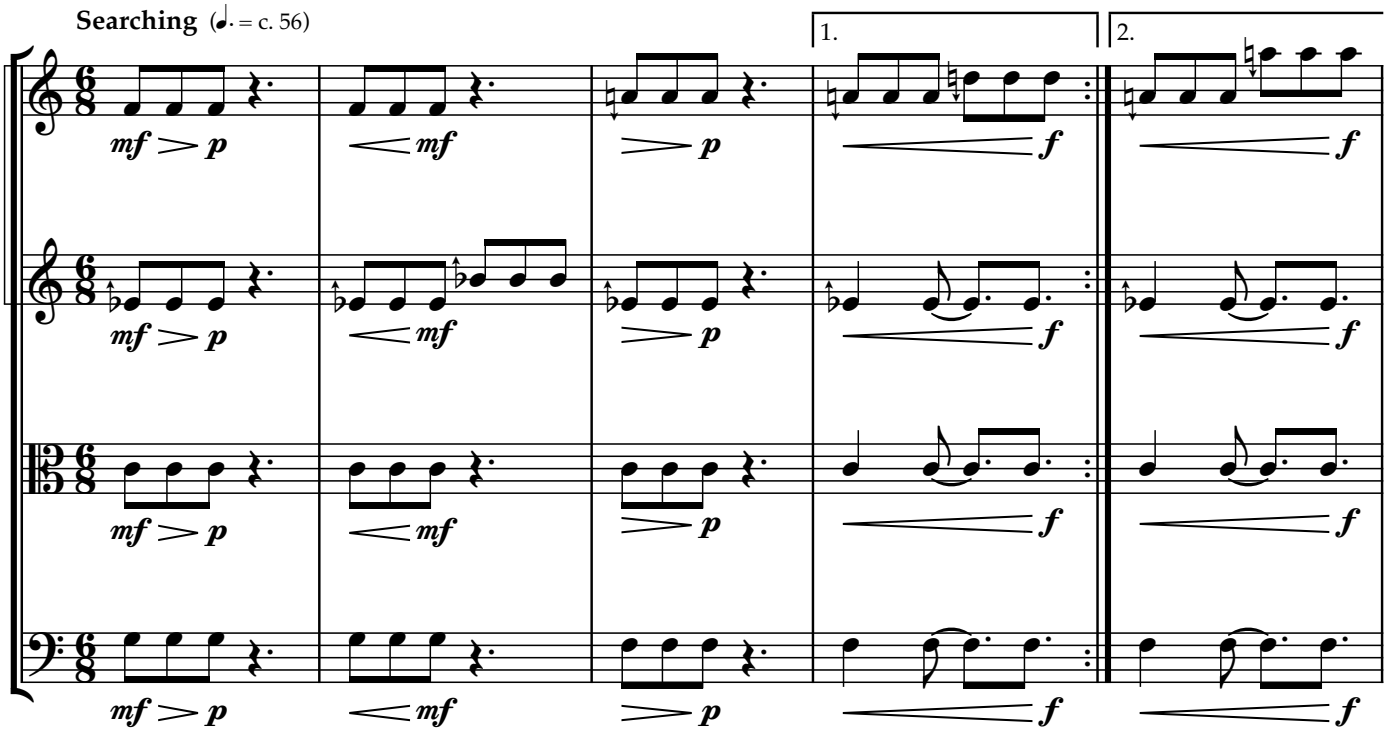

23
poco rit
mf
mp
mf
mp
f
mf
mp
mf
mp
f
mf
p
ff
f
26
mp
p
mp
p
arco
p
pp
p
pp
30
(♩= c. 66)
attaca

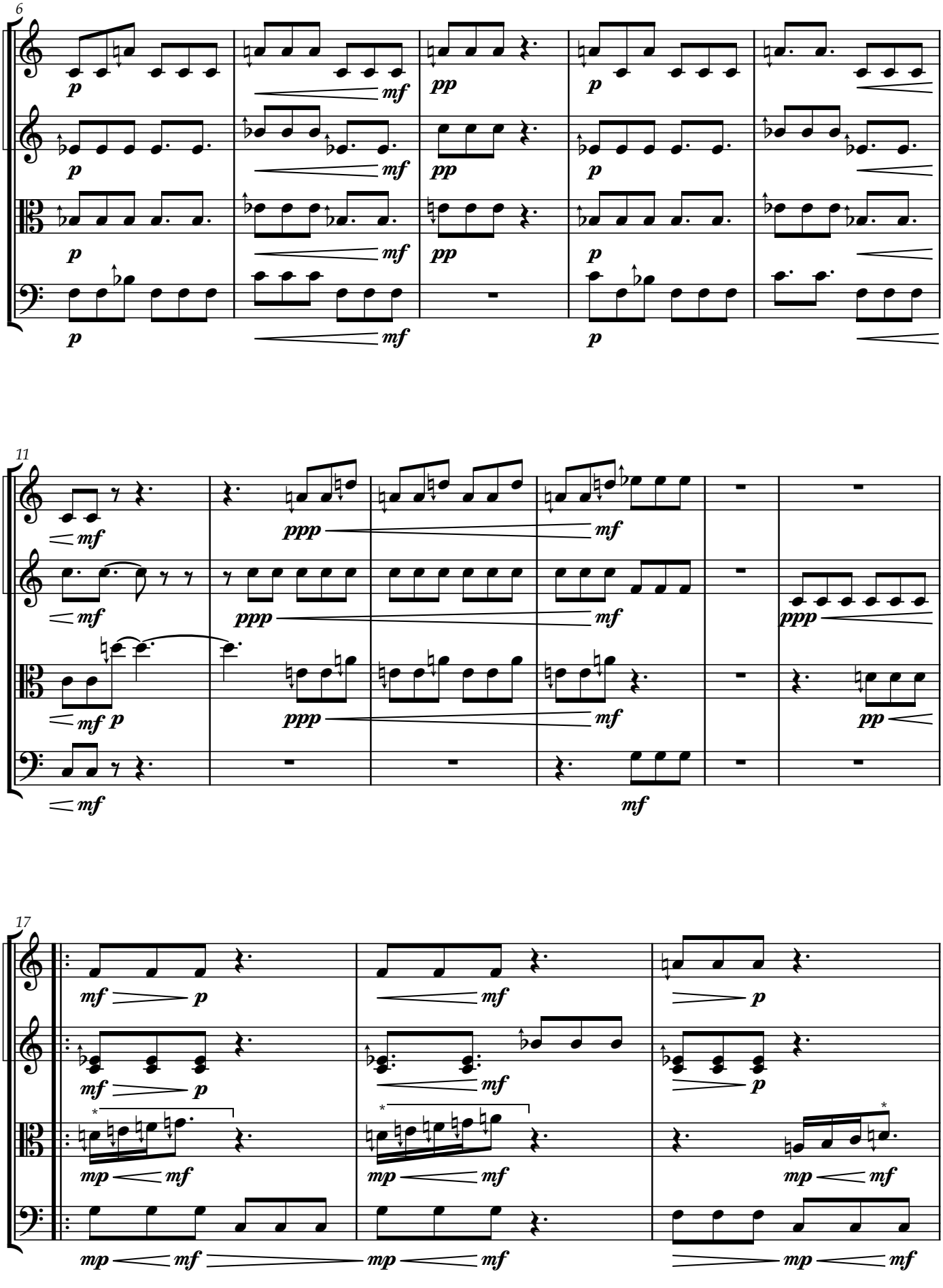
IX. Breathe In, Breathe Out 4

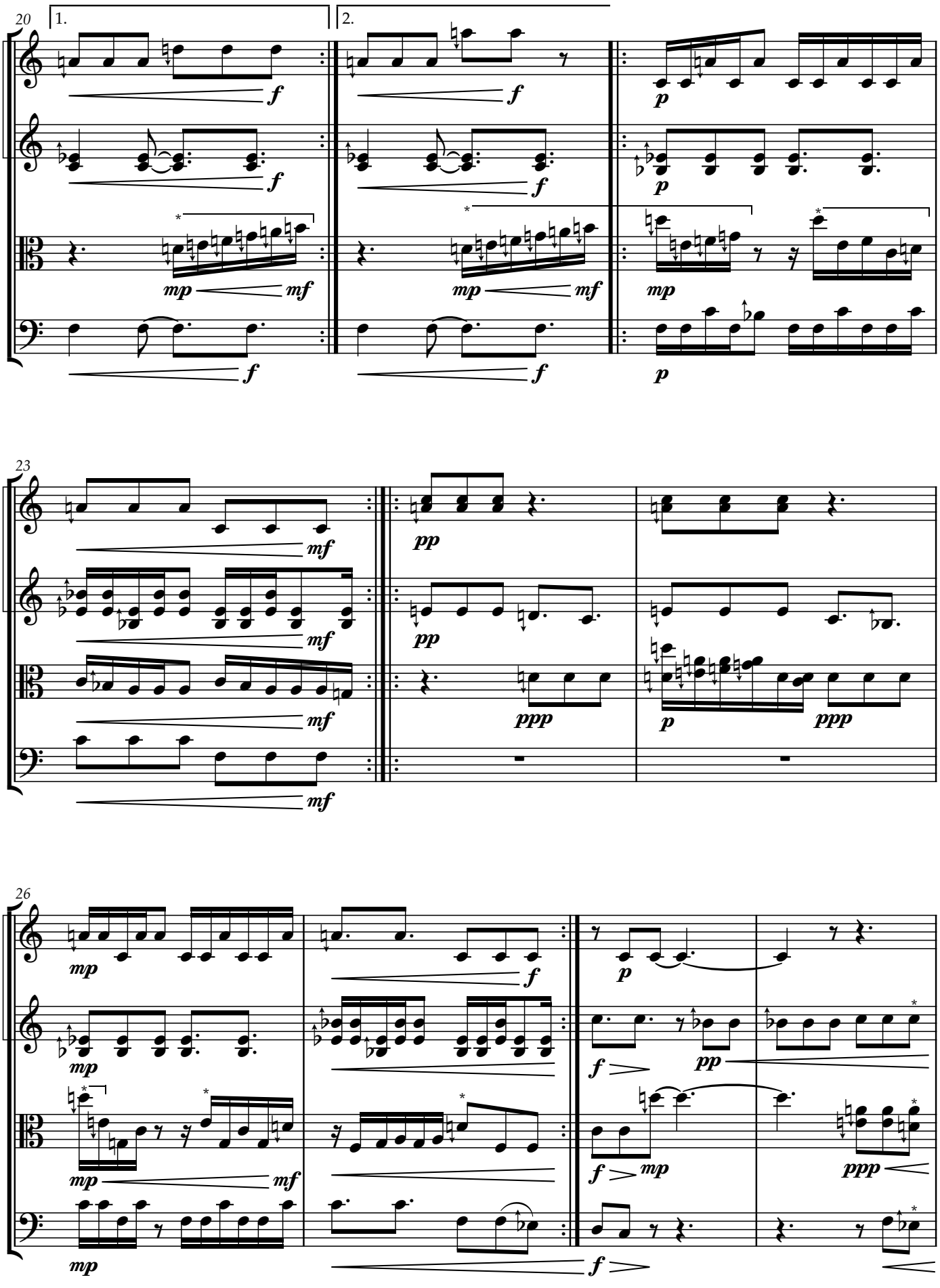


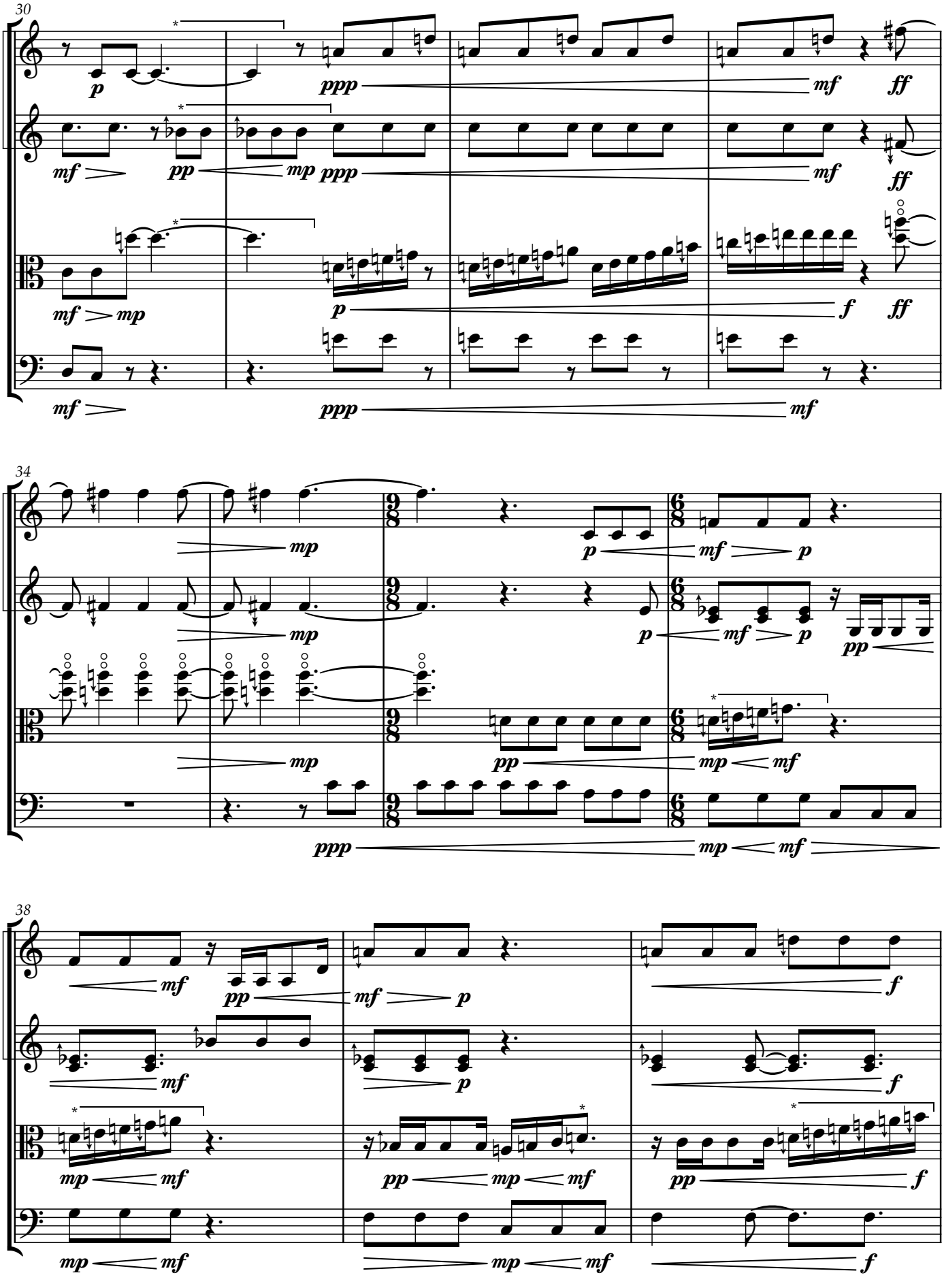


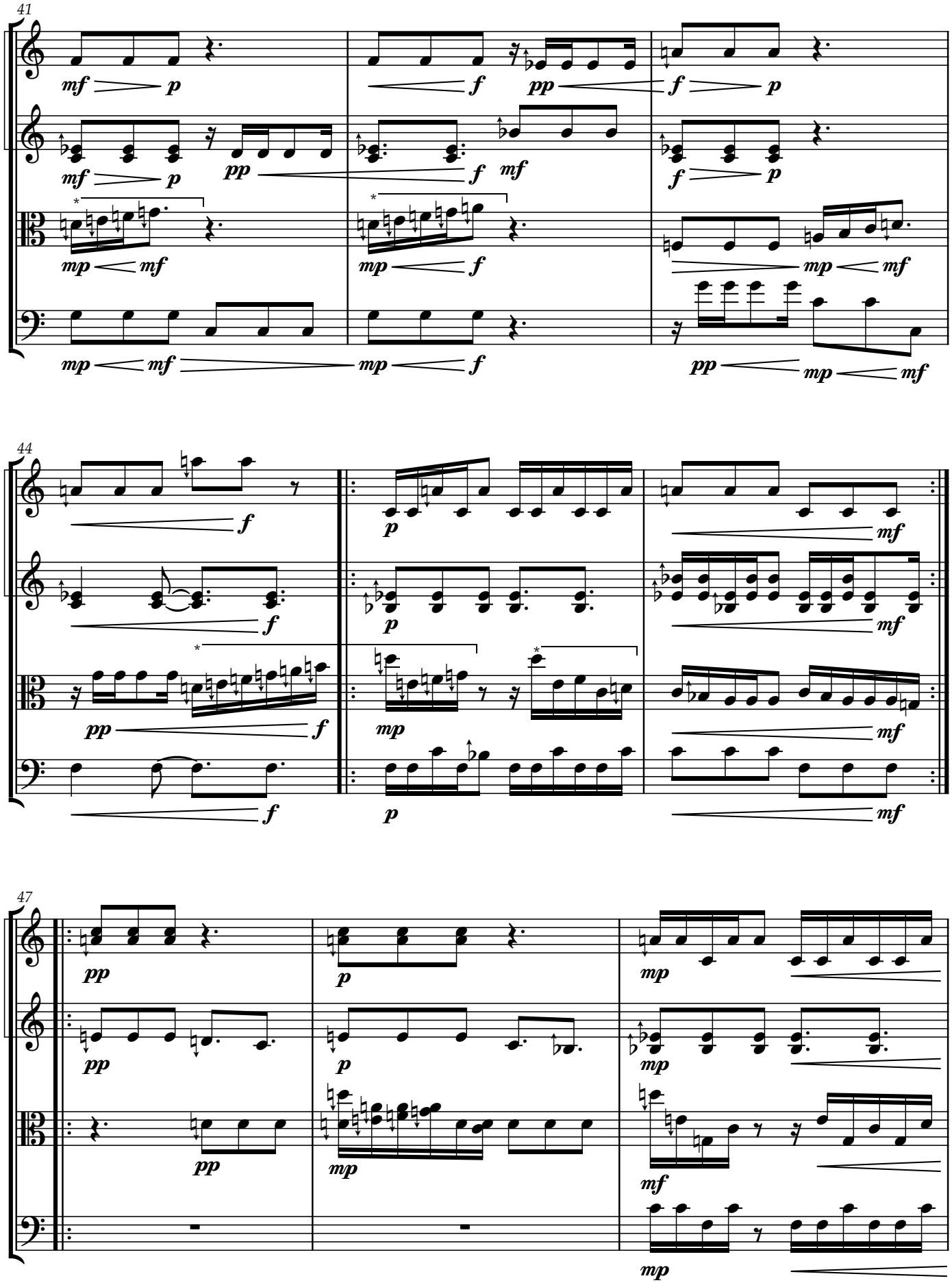
X. How To Be Together

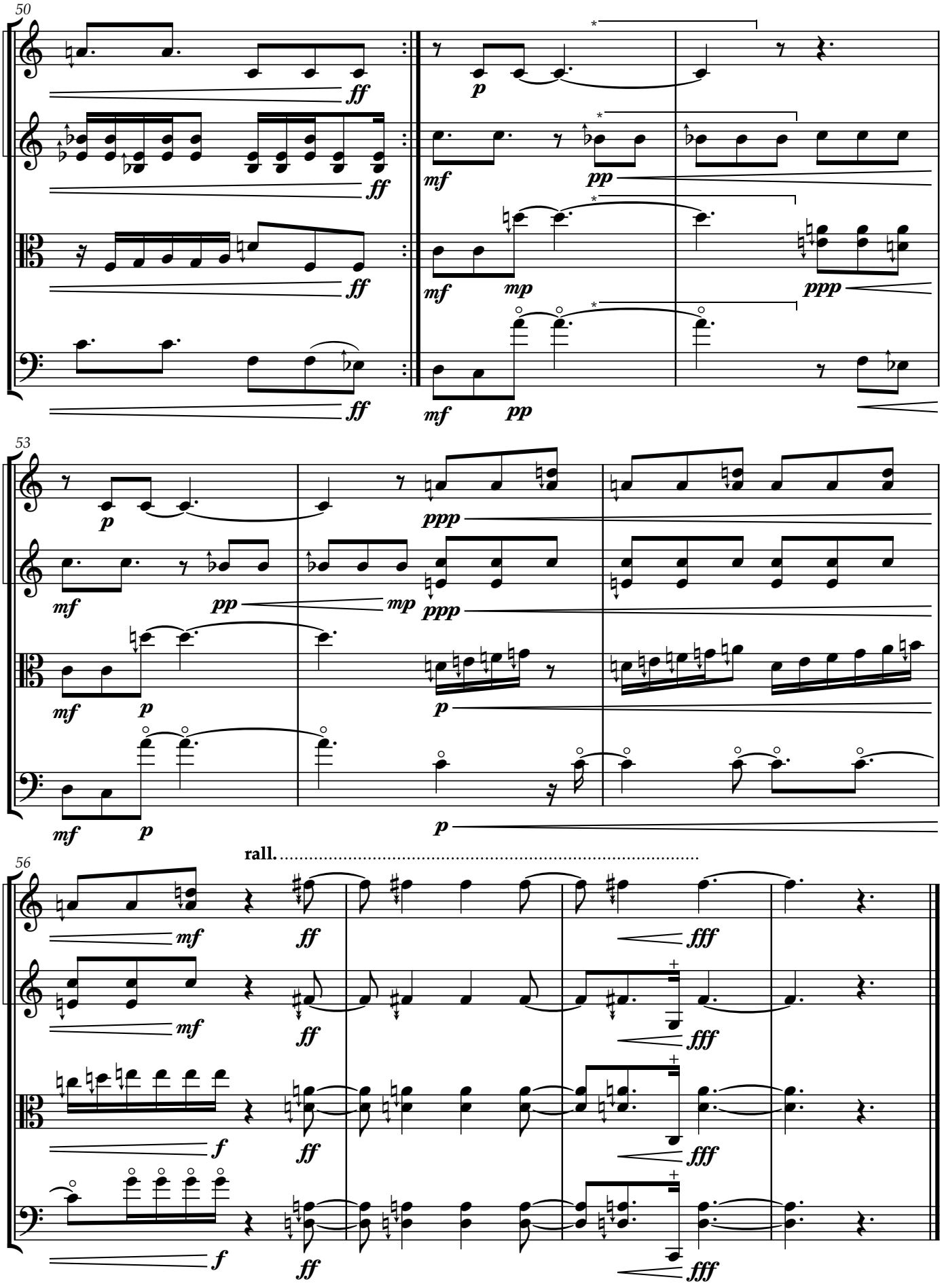



6
11
17


20
1.
2.
23
26


30
34
38


41
mf p
f pp f p
mf p
pp f mf
f p
mp mf
mp f
mp mf
mp mf
pp mp mf
44
f
p mf
f
p mf
pp f
mp mf
f
p mf
47
pp
p mp
pp
p mp
pp
mp mf
mp


50
53
56
rall.