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Redshift

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RODRIGO PASCALE

REDSHIFT

FOR CHAMBER ENSEMBLE

2019

SCORE

REDSHIFT

for chamber ensemble

Duration - cca. 7 min

Instrumentation

Flute

Clarinet in Bb

Violin

Cello

Piano

Percussion

According to the Big Bang theory, the universe had been expanding since the beginning of time when all the matter was highly concentered. In 1929, the American astronomer Edwin Hubble observed that almost all nebulas have a redshift resulted by the increasing wavelength, which means that they are moving away from us. “Redshift” is based on this concept of the universe’s expansion. On the first section, a dense texture is explored using all the instruments and complex rhythms. Gradually, the texture becomes sparser and the tempo decreases, which is an analogy of the galaxies becoming farer. Moreover, distortion s of the pitch material (based on the overtone series) were applied to reflect the distortion of wave lengths observed by Hubble.

Contact

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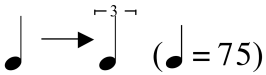
Rodrigo Valente Pascale

Performance notes

Arrow, indicates the gradual change of a parameter

Ex.: Flutter tongue to ord. and; non-scratch to scratch sounds, vice-versa



Metric Modulation, reference figure → new value (exact or approximated value of the tempo inside the parenthesis)

Microtonal symbols

+ ¼ tone

+ ¾ tone

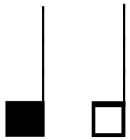
- ¼ tone

- ¼ tone

Flute

Aeolian/Air sounds, produced in normal playing position *Ex.:* https://youtu.be/nagYUWcHzpw
https://youtu.be/7NBoR3N_Qgo

Flutter tongue, *Ex.:* https://youtu.be/Eu_LcDPpiPU
https://youtu.be/iockbKXaq98



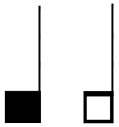
Multiphonic, only the fundamental pitch indicated

Slap/Pizzicato, Ex.: https://youtu.be/WBEqkLlTvWE
https://youtu.be/mjD3d_h7QAk

Clarinet in B♭

Glissandi from and to indeterminate notes

Flutter tongue, *Ex.:* https://youtu.be/-UxDY1ejtkE



Multiphonic, only the fundamental pitch indicated

Slap/Pizzicato, Ex.: https://youtu.be/Xt8GPZXBfi8

Violin and Cello

Behind the bridge

Glissandi from and to indeterminate notes

Harsch/Scratch sound, this effect is produced by playing the violin bow with very hard pressure

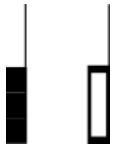
Hammer-on, sharply bring the finger down on the fingerboard

Left-hand pizzicato

Snap pizzicato, pluck the string vertically

Behind the Bridge + Scratch sound

Piano



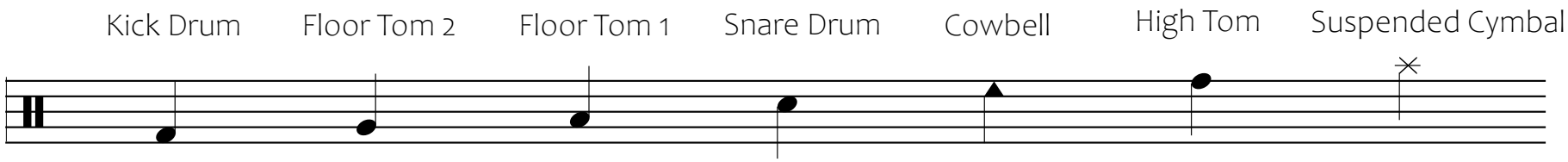
Cluster

This effect is produced by playing randomly the notes of the predecessor cluster

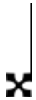
Percussionist

Percussion Set

Mallets, *Drumstick* and *Marimba Mallet*



Vibraphone



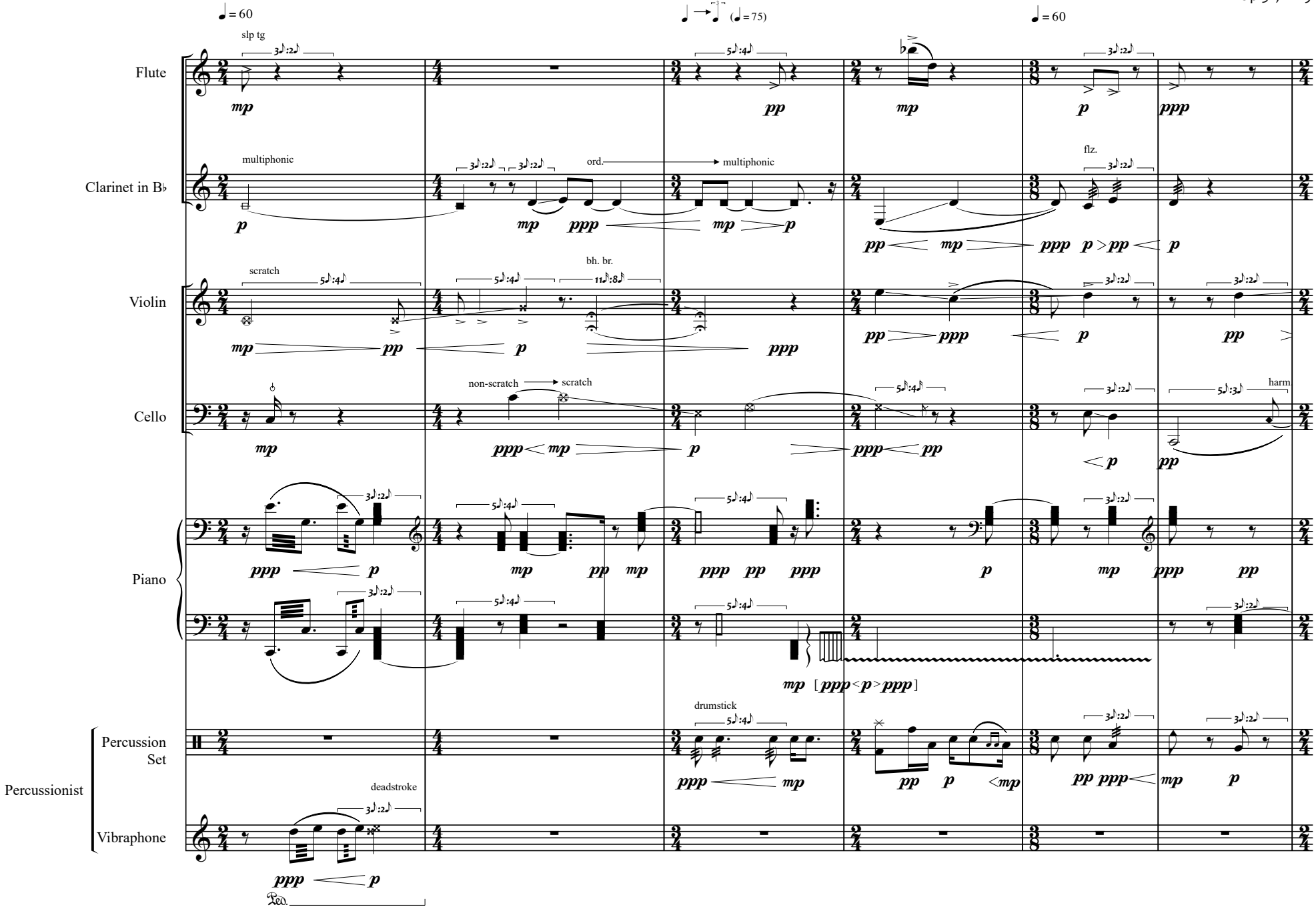
Deadstroke

Score in C

REDSHIFT

RODRIGO PASCALE

Op.32, 2019



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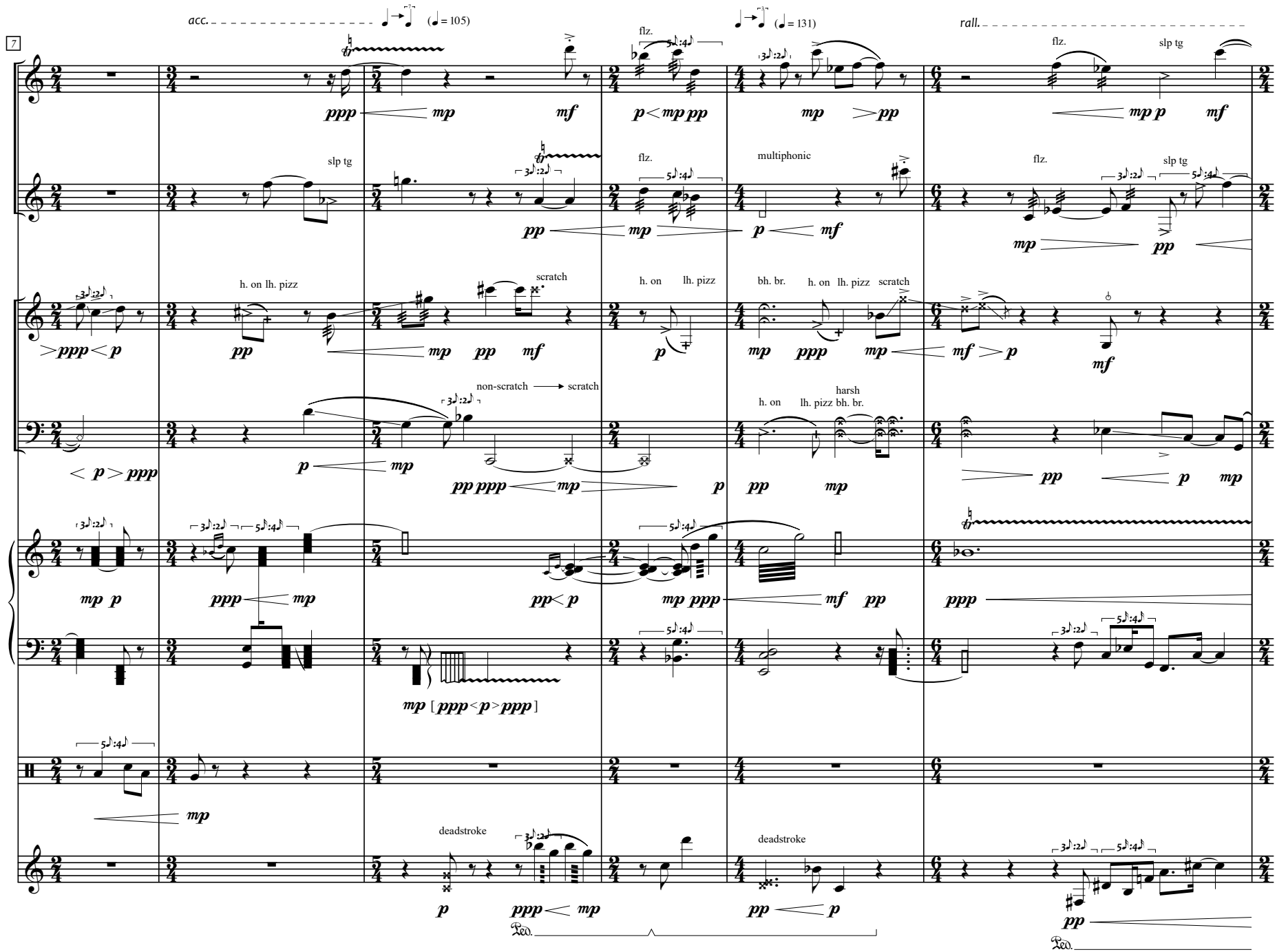
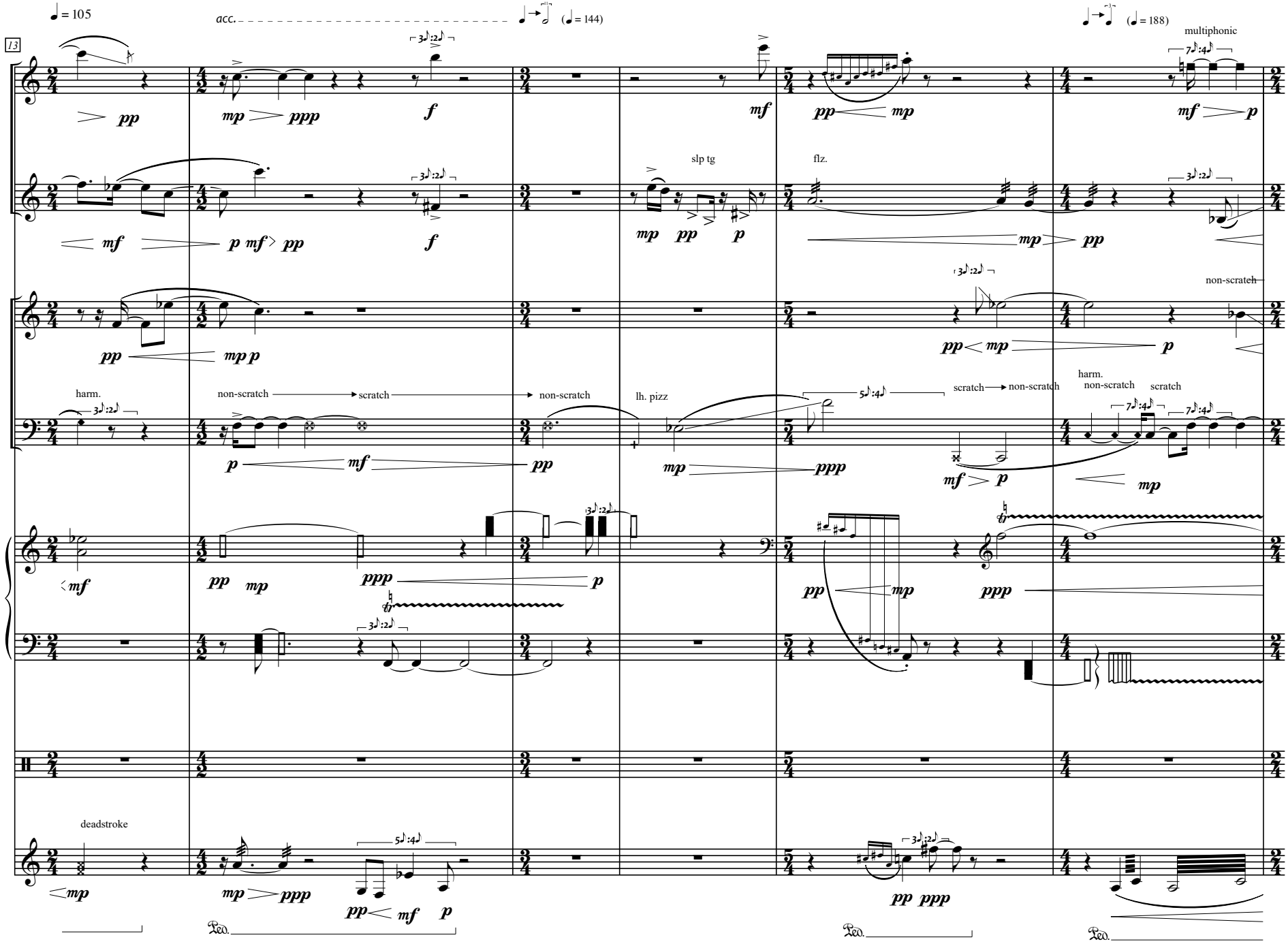
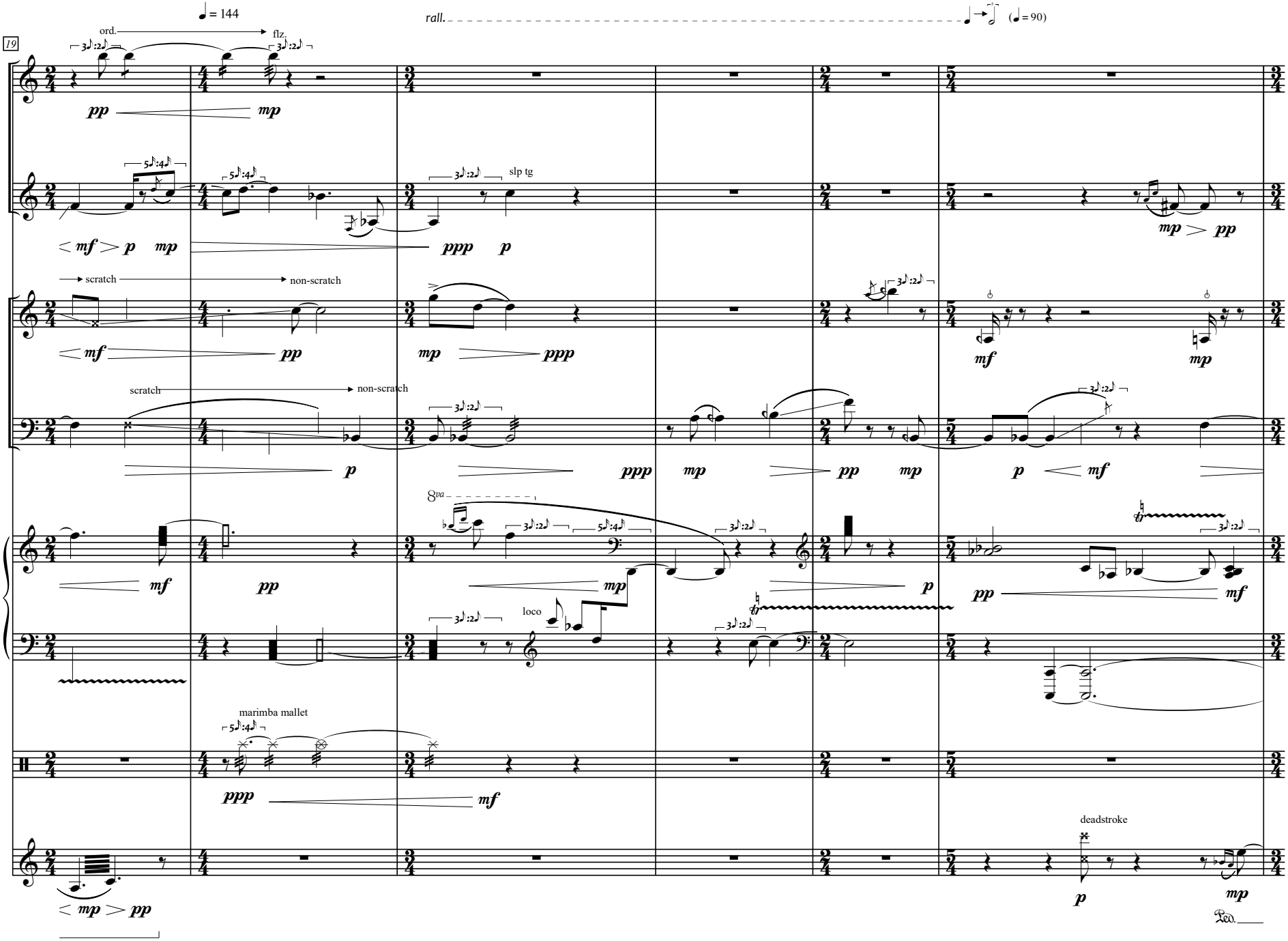
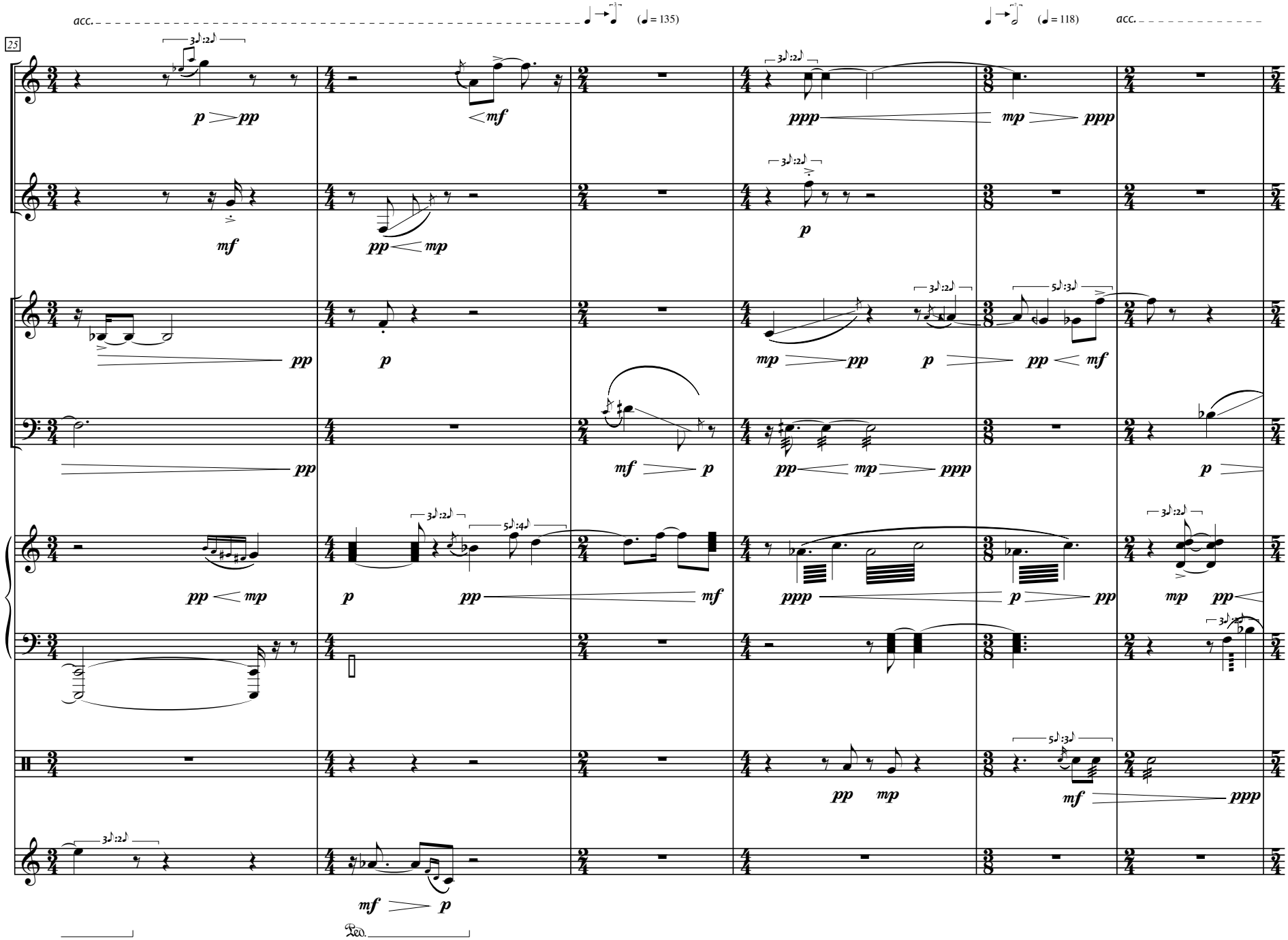
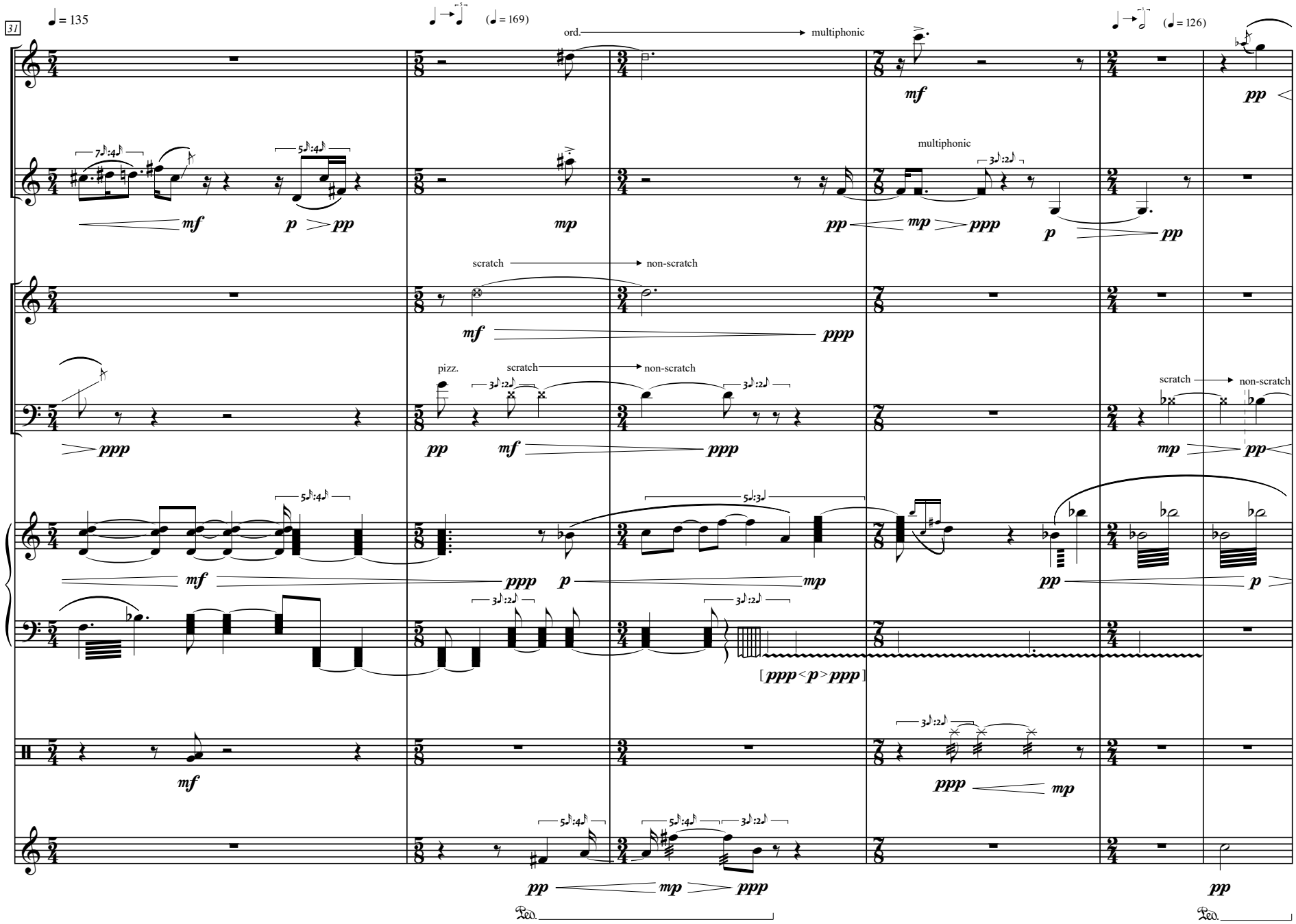
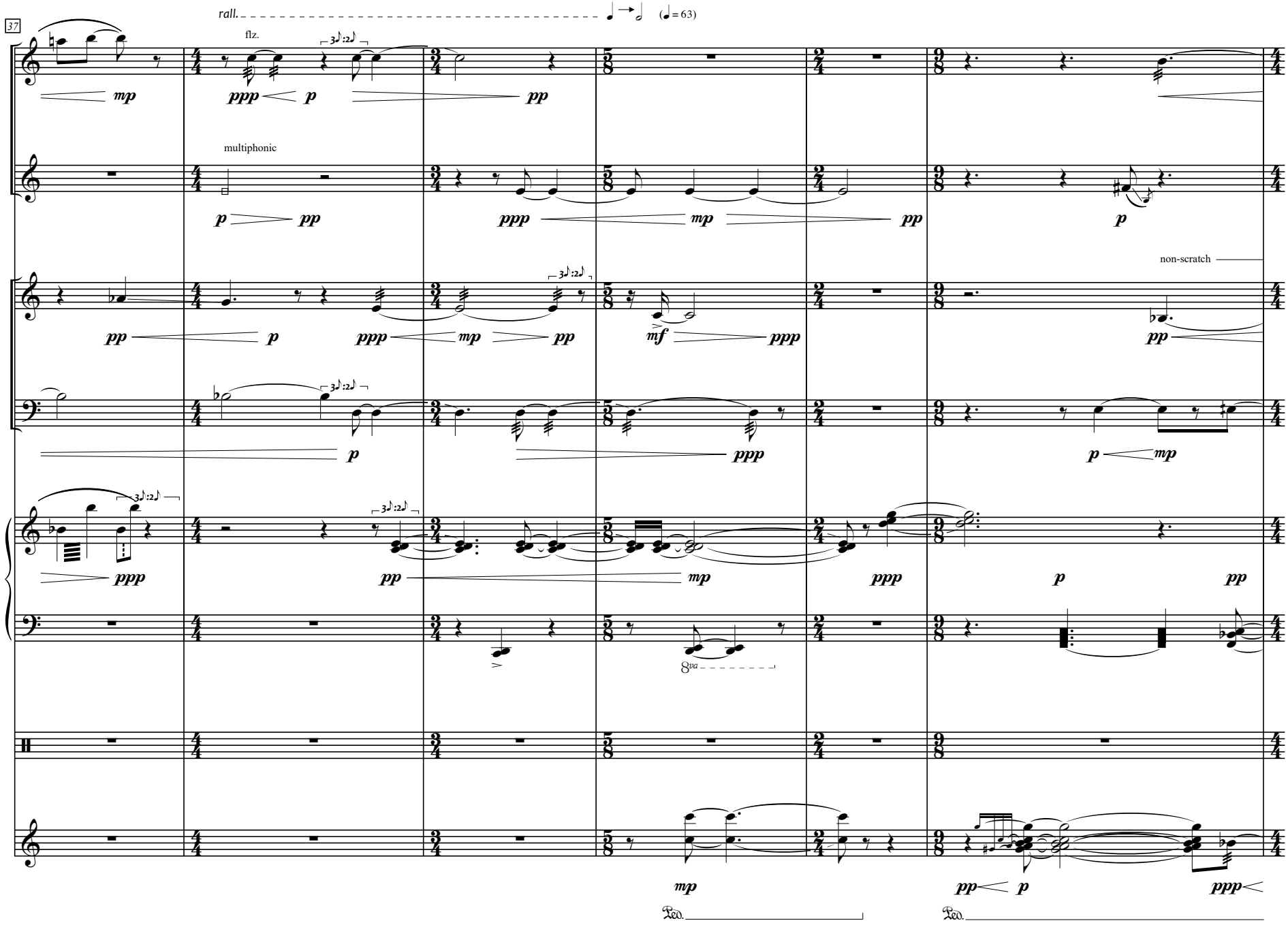

7
acc.
(♩ = 105)
(♩ = 131)
rall.
flz.
slp tg
multiphonic
h. on lh. pizz
scratch
h. on lh. pizz
bh. br.
h. on lh. pizz scratch
non-scratch → scratch
h. on lh. pizz
harsh bh. br.
deadstroke
deadstroke
Ped.
Ped.

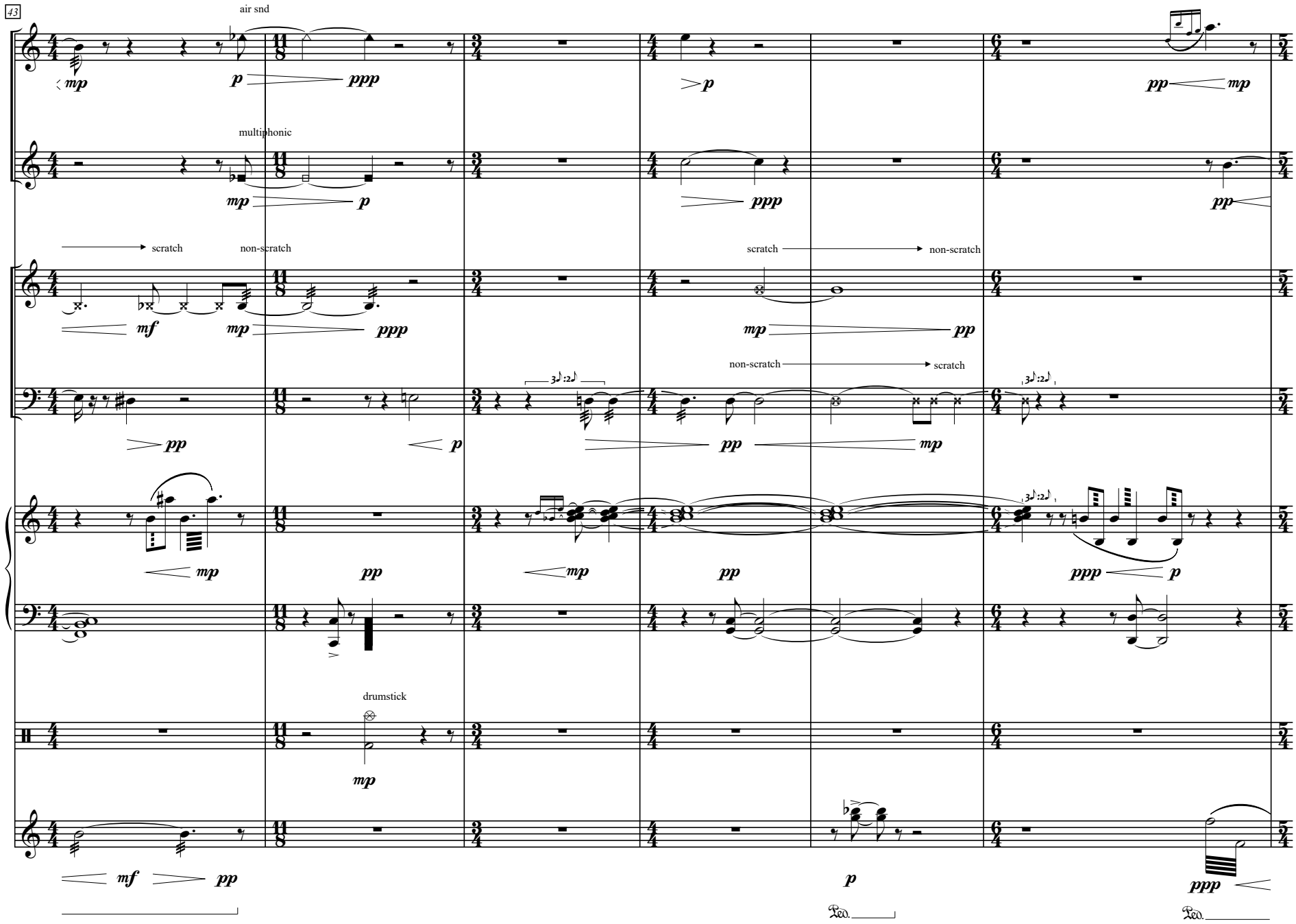

13
♩ = 105
acc.
(♩ = 144)
(♩ = 188)
multiphonic
slp tg
flz.
non-scratch
harm.
non-scratch
scratch
non-scratch
lh. pizz
scratch
non-scratch
harm.
non-scratch
scratch
deadstroke

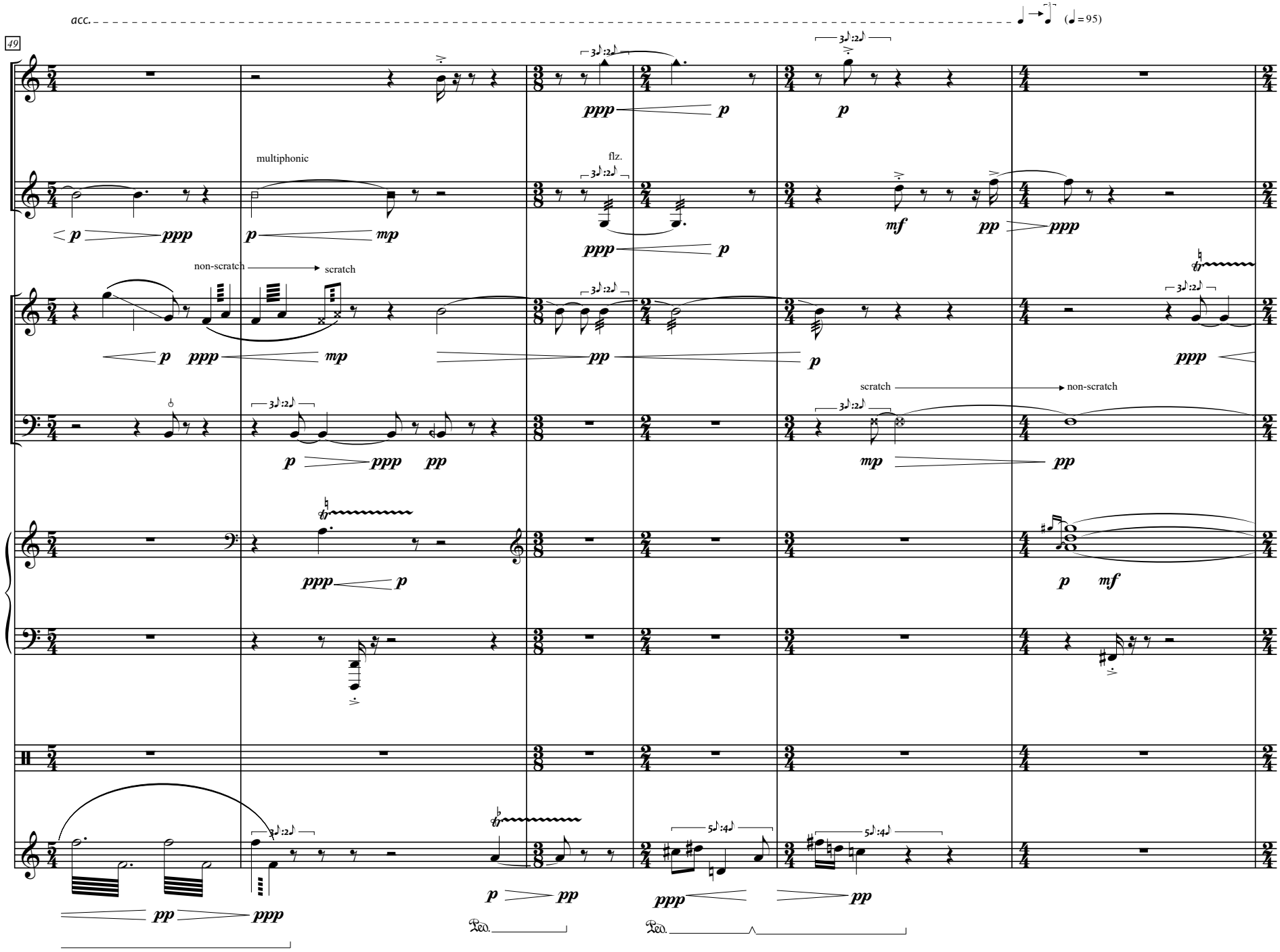

19
♩ = 144
ord.
flz.
rall.
(♩ = 90)
slp tg
scratch
non-scratch
8va
loco
marimba mallet
deadstroke

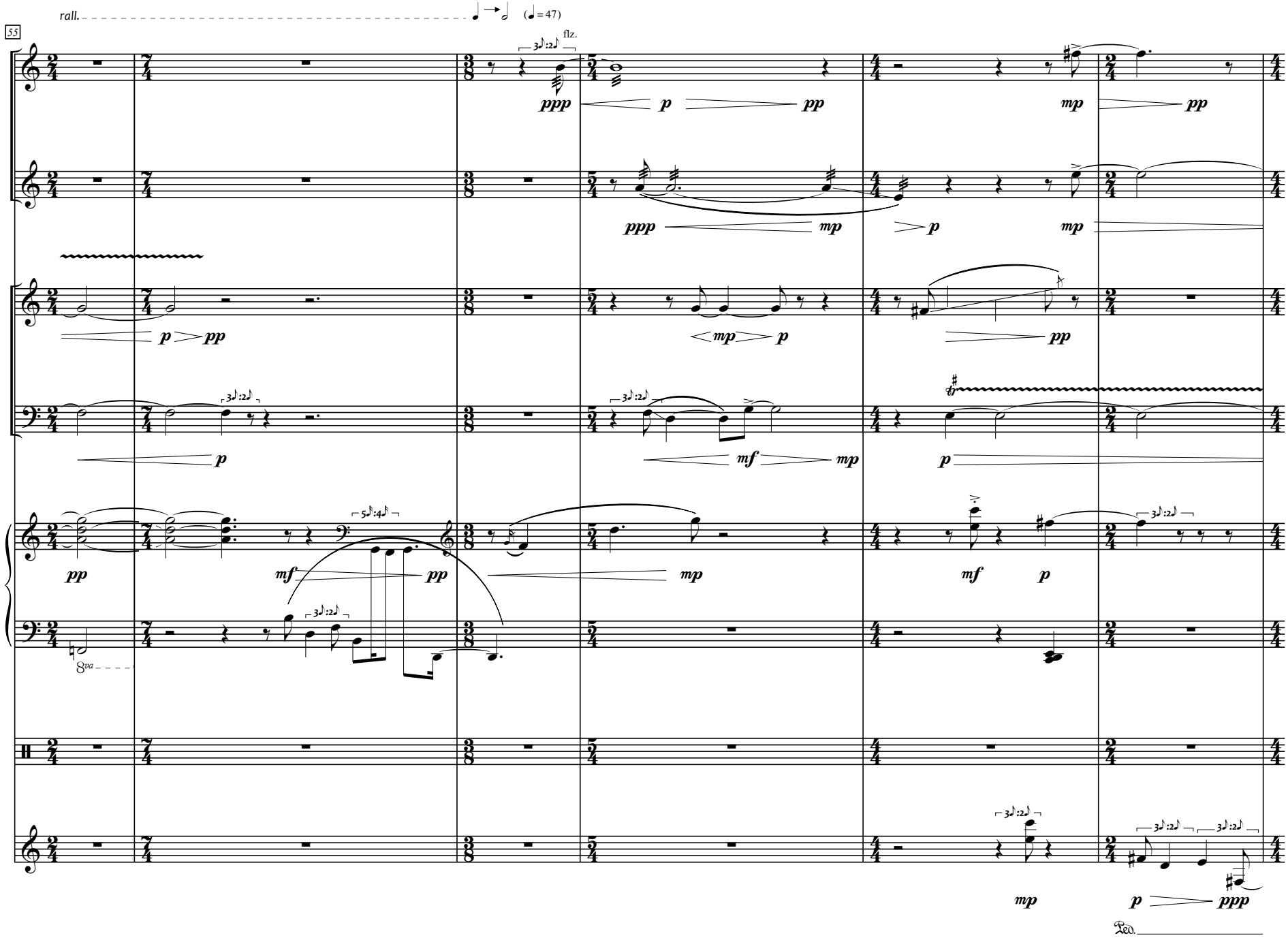

acc.
(♩ = 135)
(♩ = 118)
acc.
25
p pp
mf
ppp
mp ppp
mf
pp mp
p
pp
p
mp pp
p
pp mf
pp
mf p
pp mp ppp
p
pp mp
p
pp
mf
ppp
p pp
mp pp
pp mp
mf ppp
mf p
Ped.

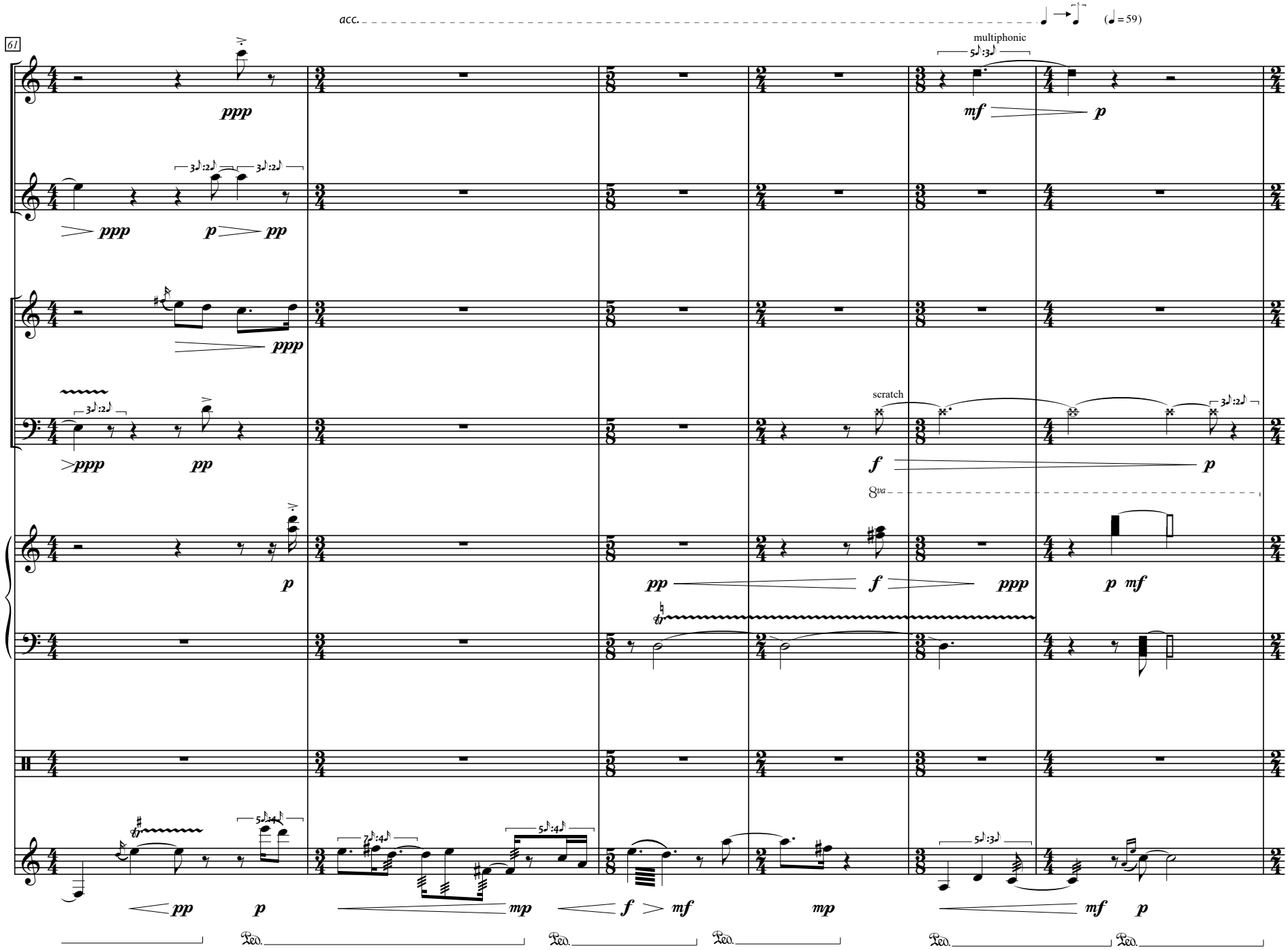

31
♩ = 135
(♩ = 169)
(♩ = 126)
ord.
multiphonic
multiphonic
scratch
non-scratch
pizz.
scratch
non-scratch
scratch
non-scratch
[ppp<p>ppp]
Ped.
Ped.

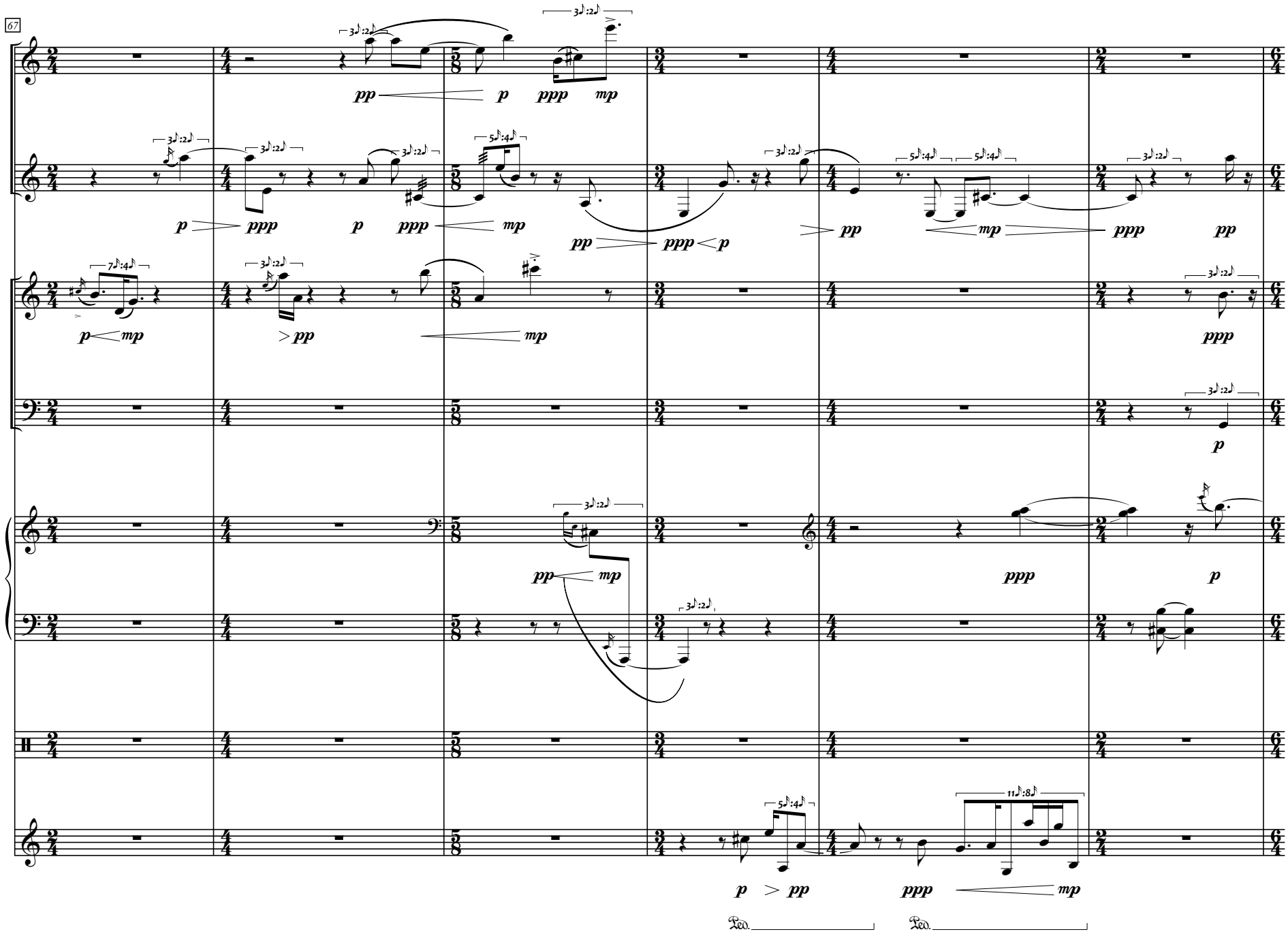

37
rall.
(♩ = 63)
flz.
multiphonic
non-scratch
8va
Ped.
Ped.

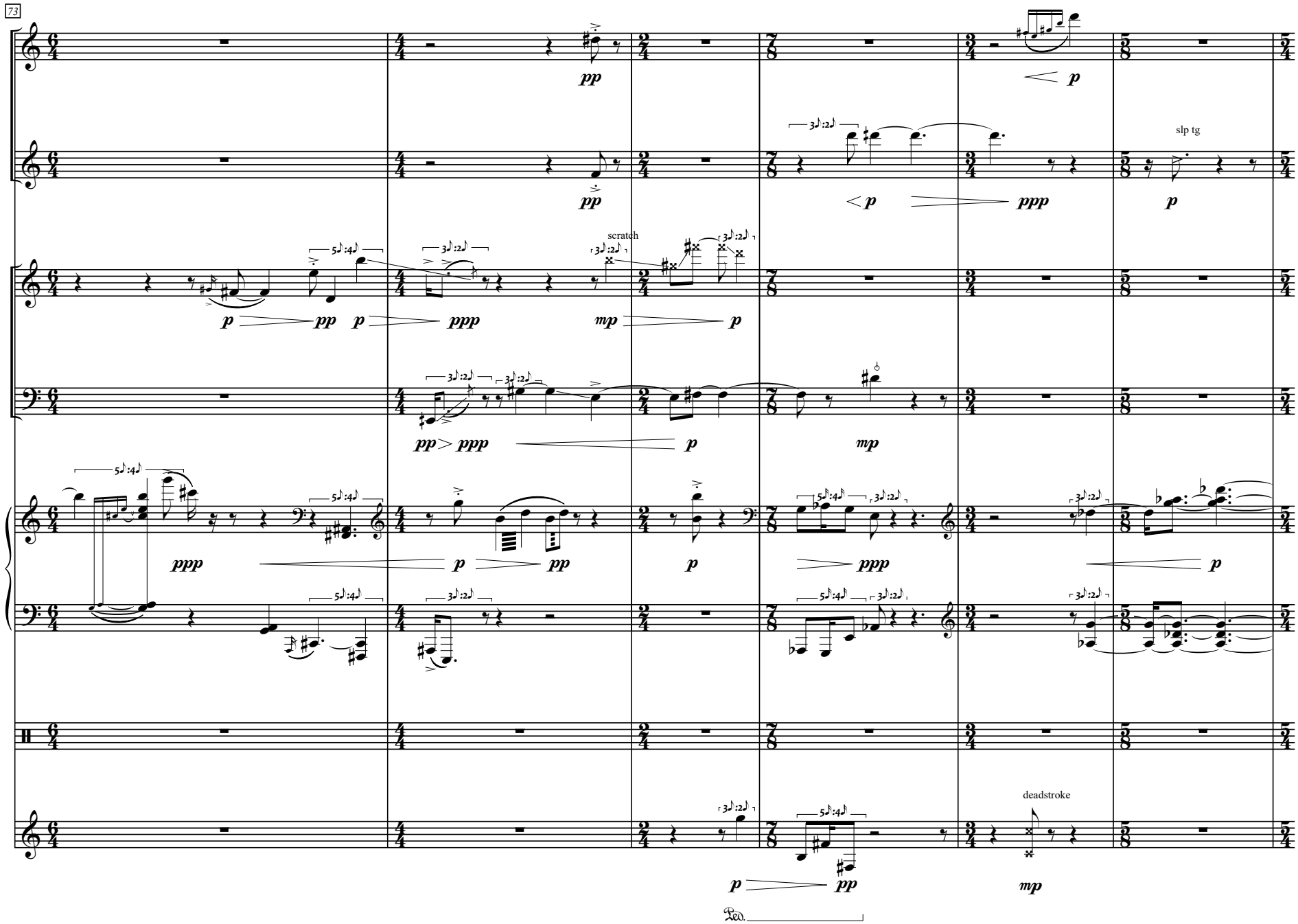

43
air snd
multiphonic
scratch
non-scratch
scratch
non-scratch
non-scratch
scratch
drumstick

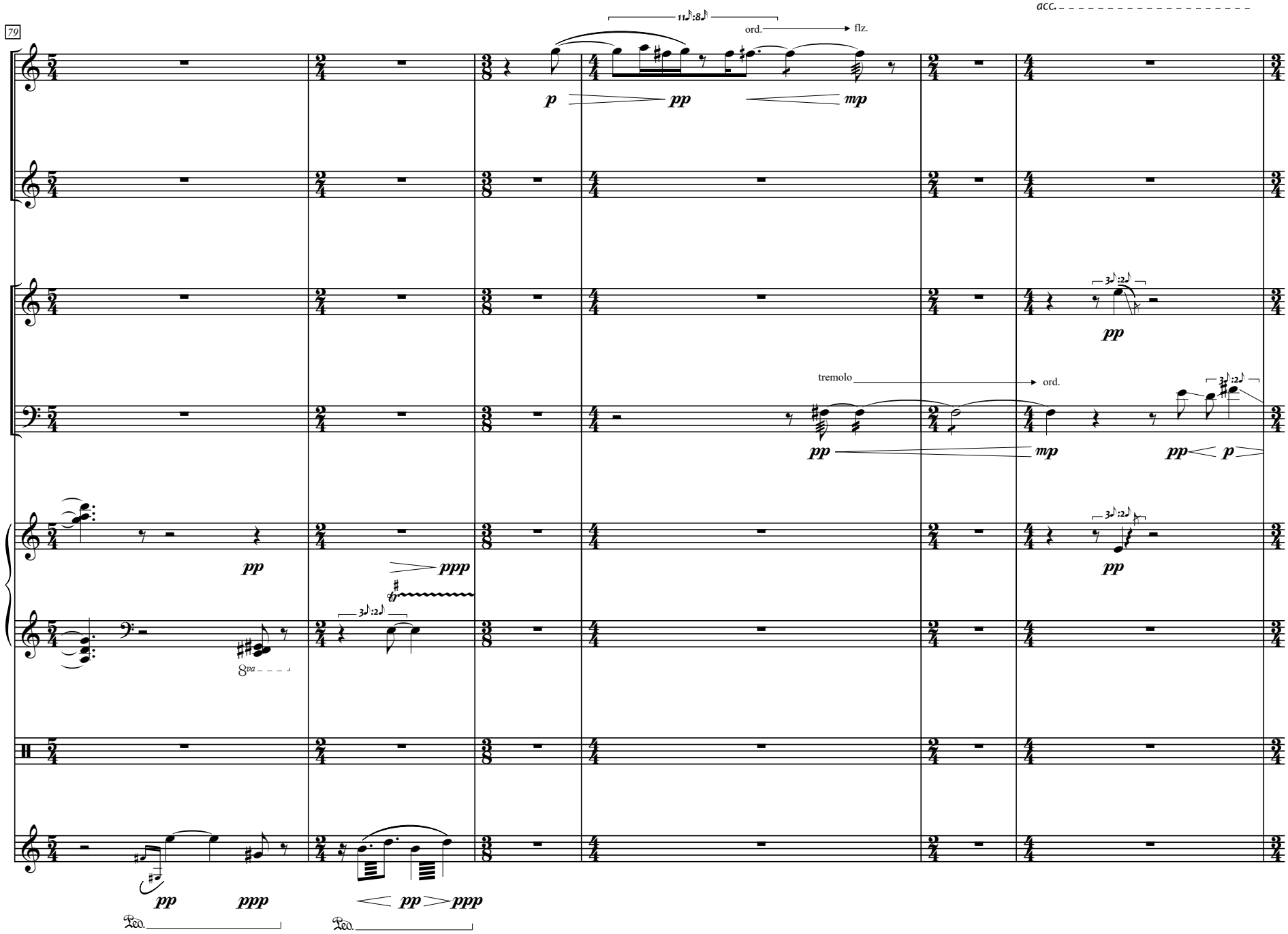

acc.
(♩ = 95)
49
multiphonic
flz.
non-scratch
scratch
scratch
non-scratch
Ped.
Ped.

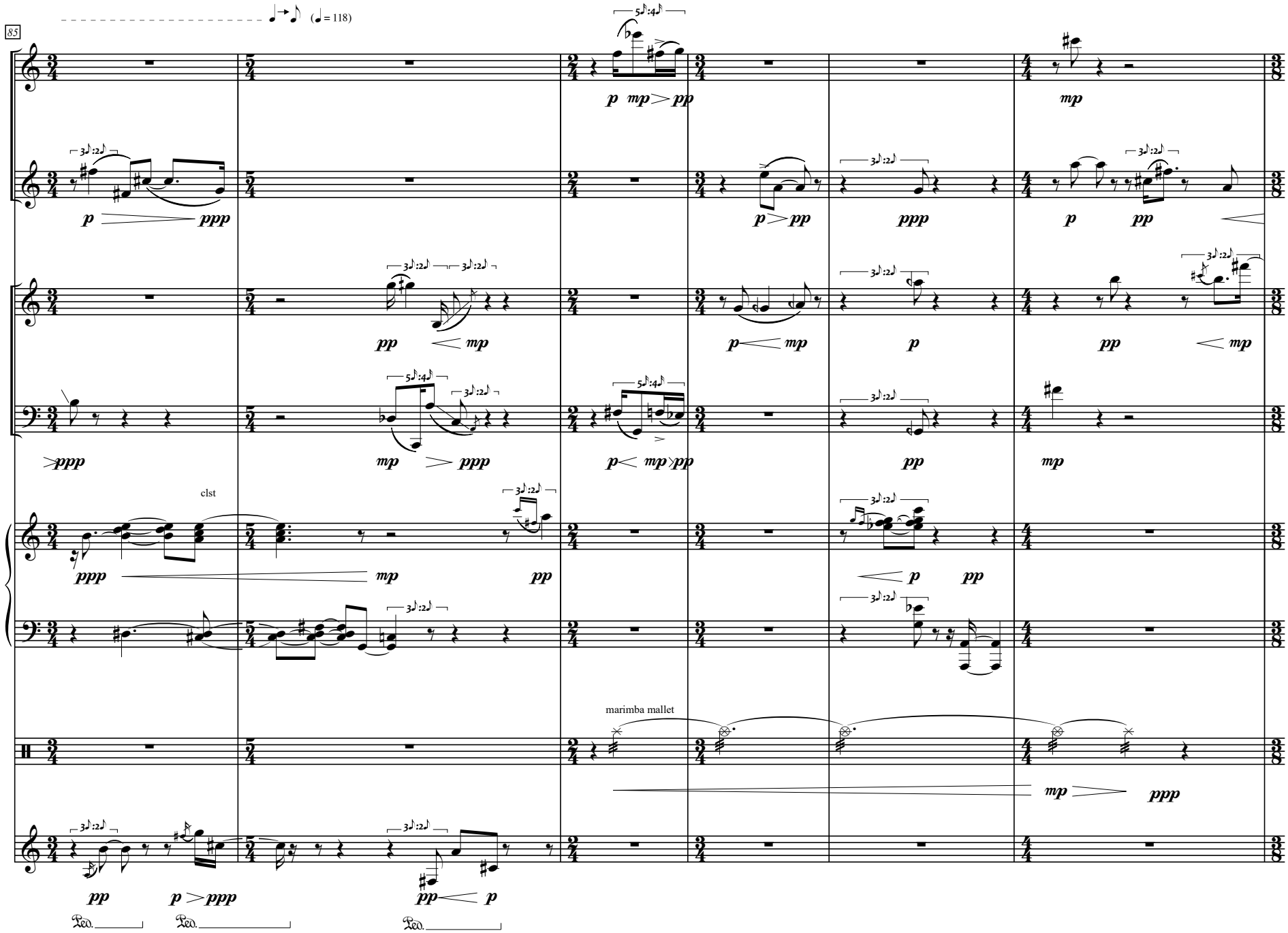

rall.
(♩=47)
55
flz.
ppp
p
pp
mp
mf
8va
Ped.

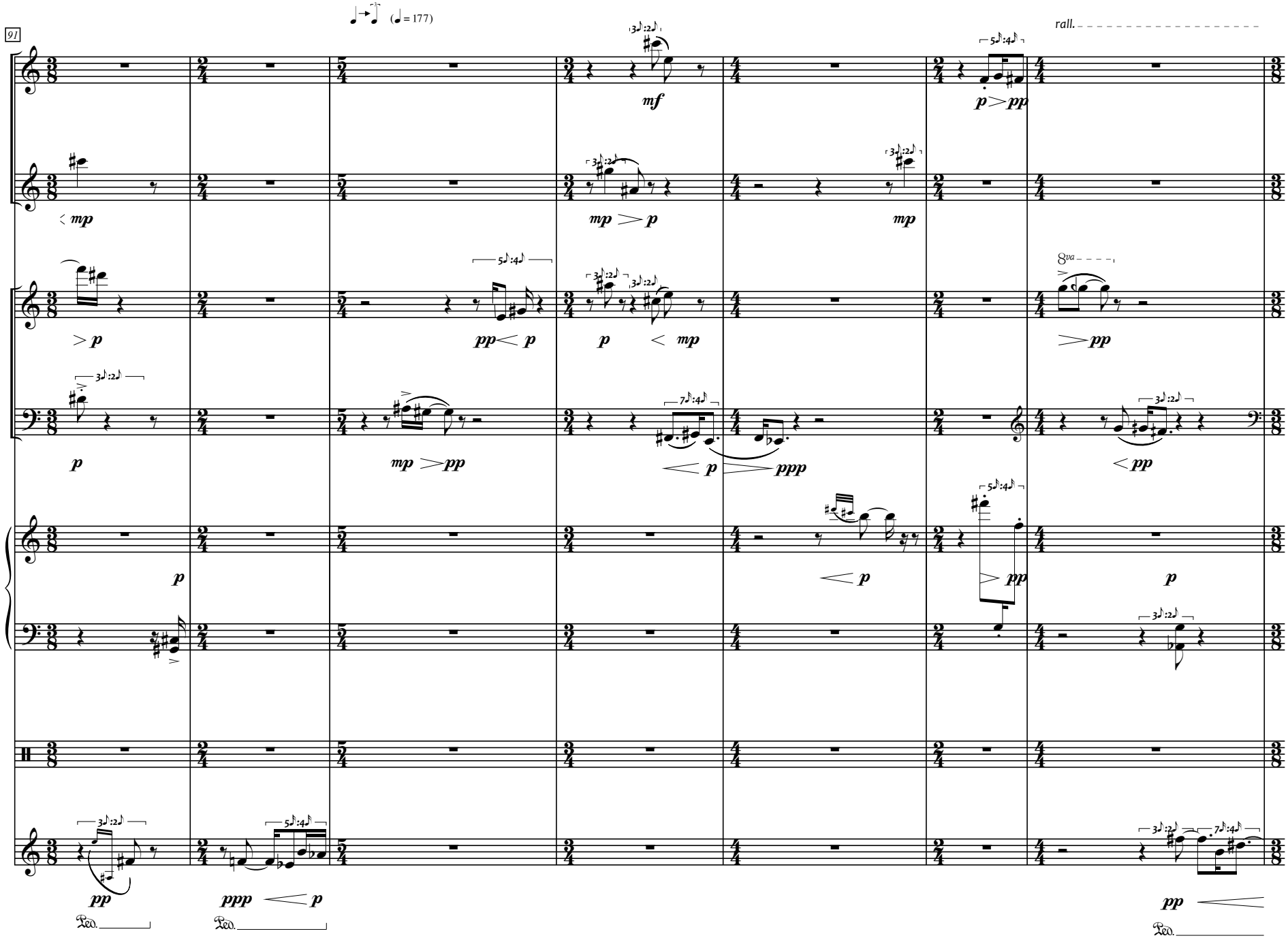

acc.
(♩ = 59)
61
multiphonic
scratch
8va
ppp
mf
p
pp
f
mp
Ped.

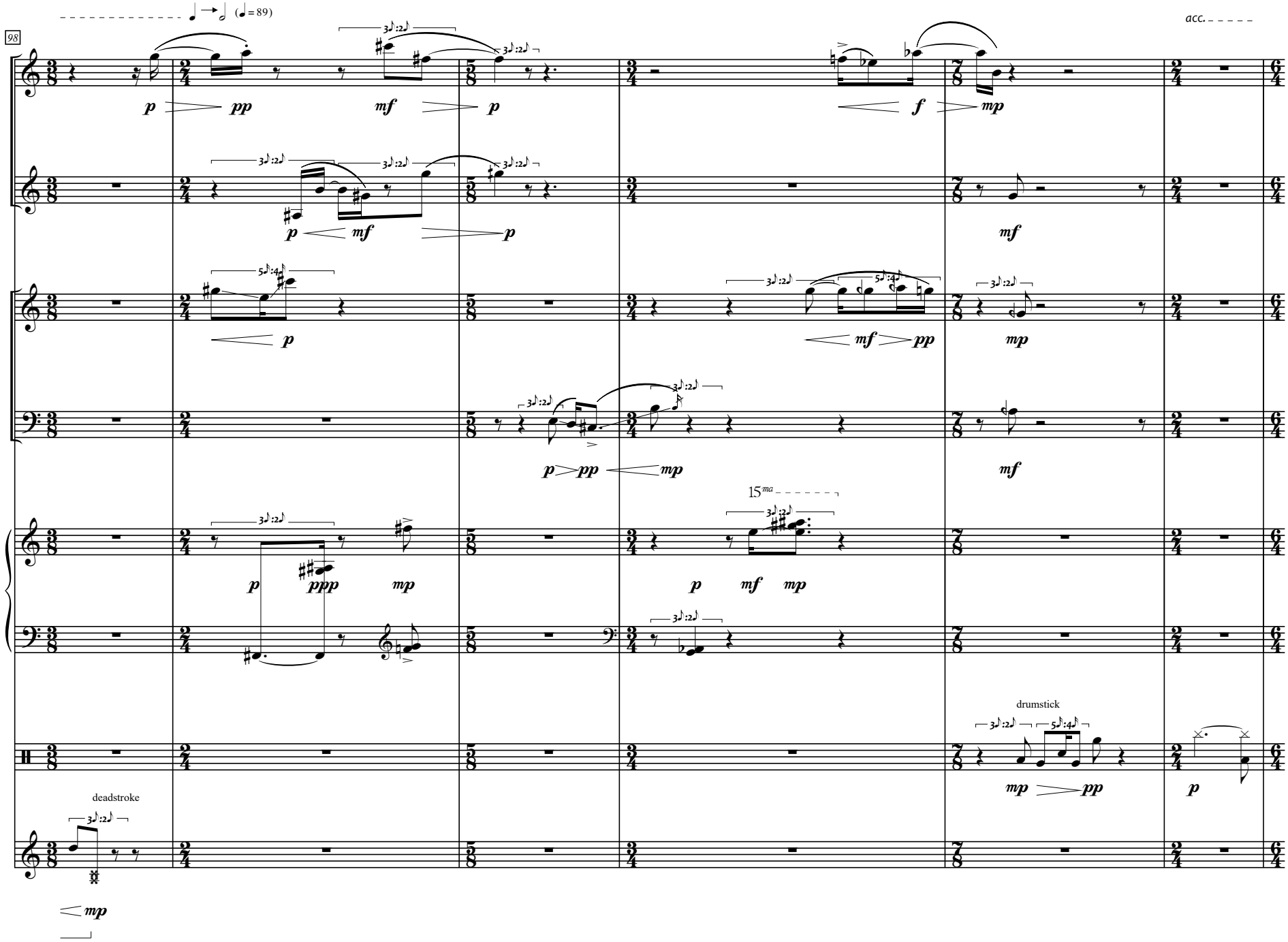

67
pp
p
ppp
mp
p
ppp
p
ppp
mp
pp
ppp
p
pp
mp
ppp
pp
p
mp
pp
mp
ppp
p
pp
mp
ppp
p
p
pp
mp
ppp
p
p
pp
ppp
mp
Ped.
Ped.

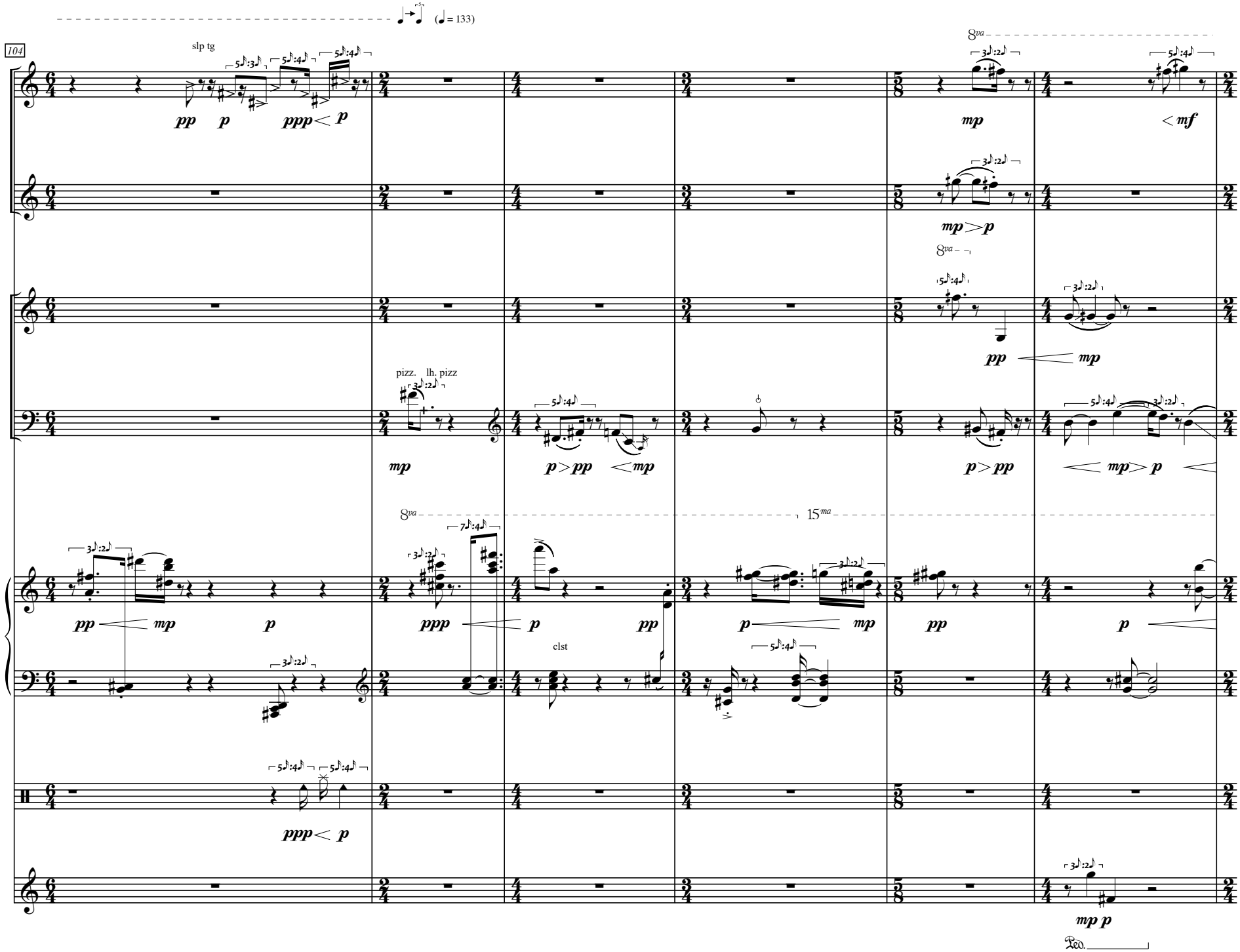

73
pp
p
pp
< p
ppp
slp tg
p
p
pp
p
ppp
scratch
mp
p
pp > ppp
p
mp
ppp
p
pp
p
ppp
p
p
pp
mp
deadstroke
Ped.

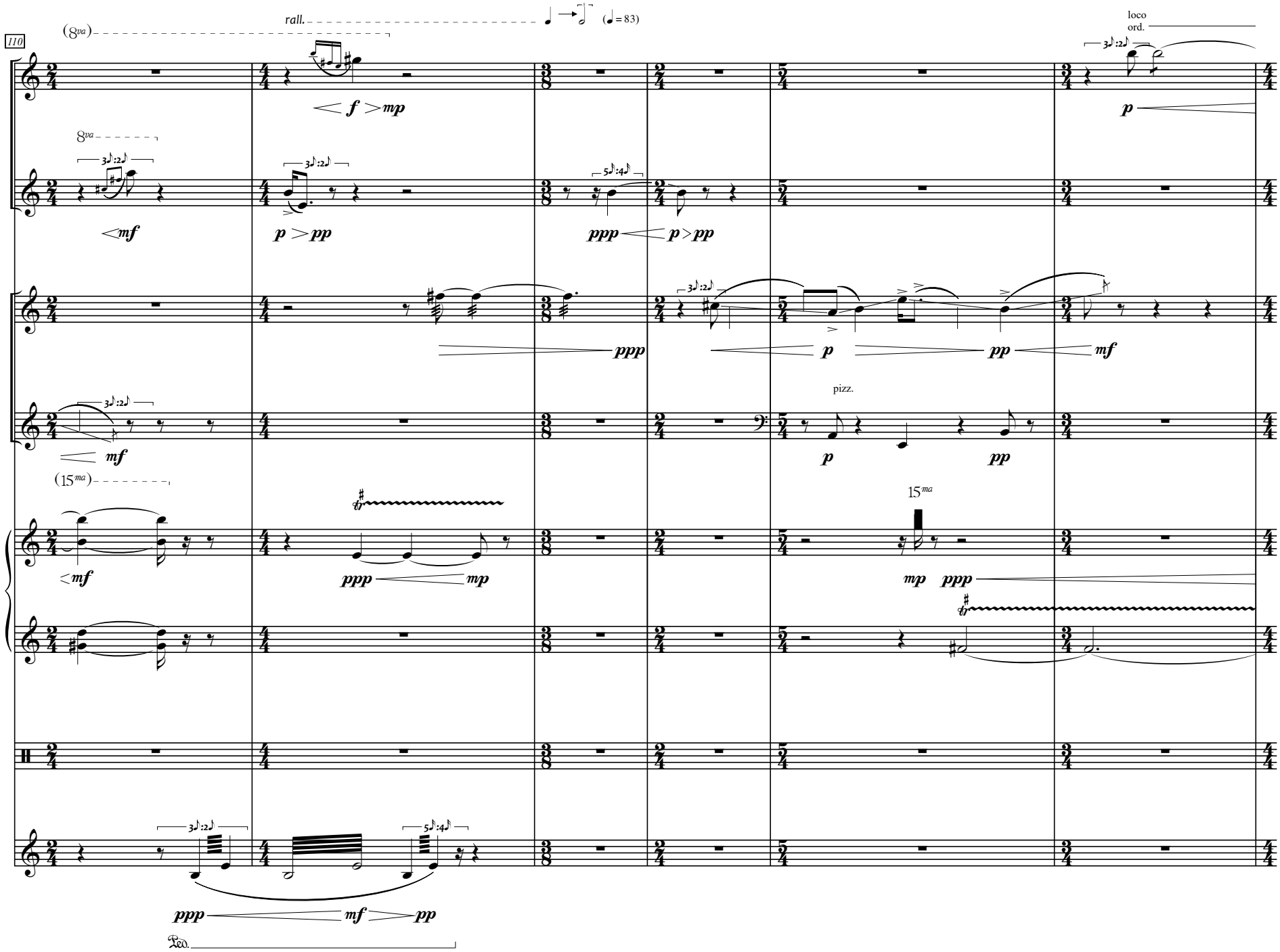

79
acc.
ord.
flz.
p
pp
mp
tremolo
ord.
pp
mp
pp
p
pp
ppp
8va
pp
ppp
pp
ppp
Ped.
Ped.

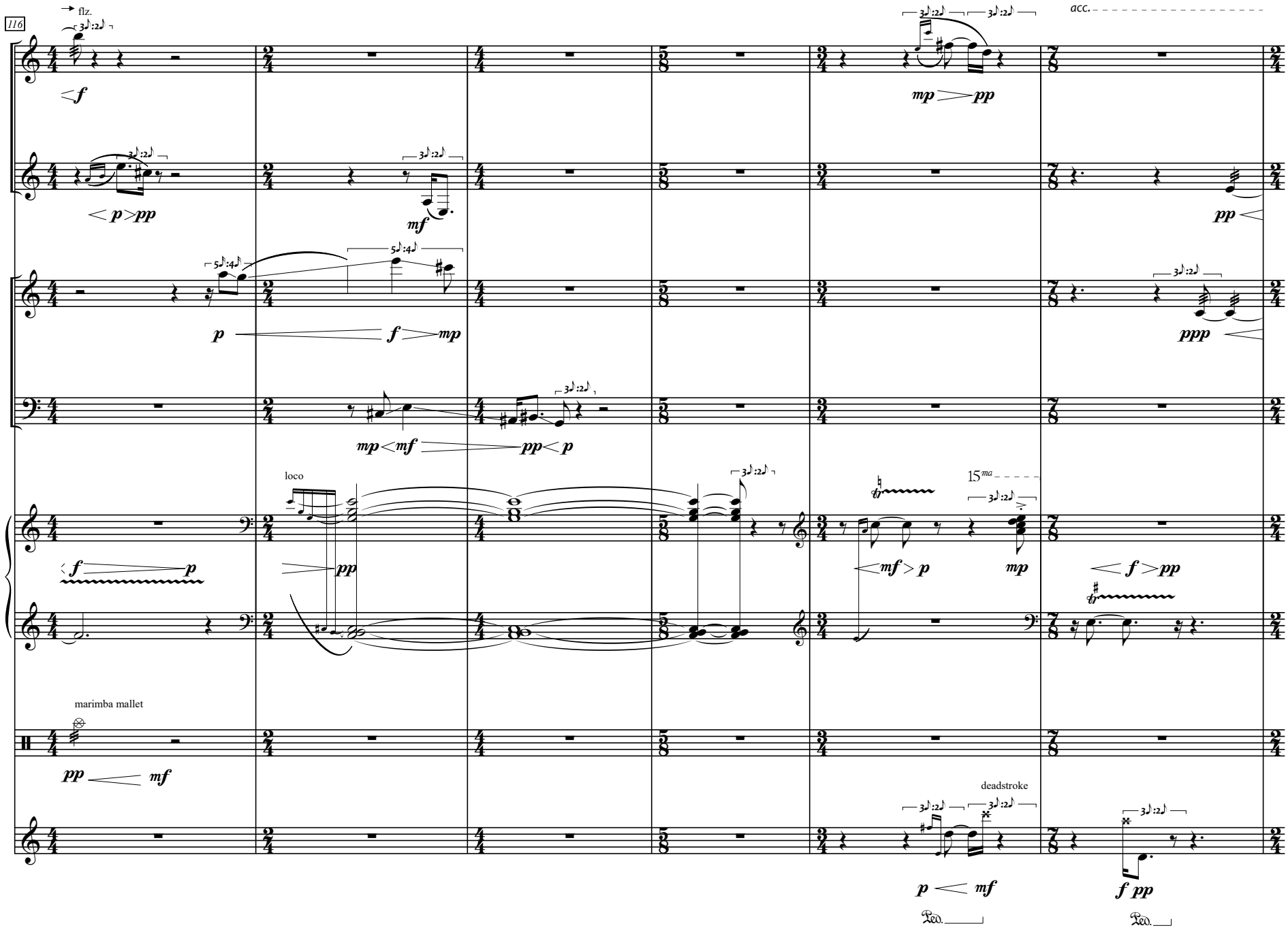

85
(♩ = 118)
clst
marimba mallet

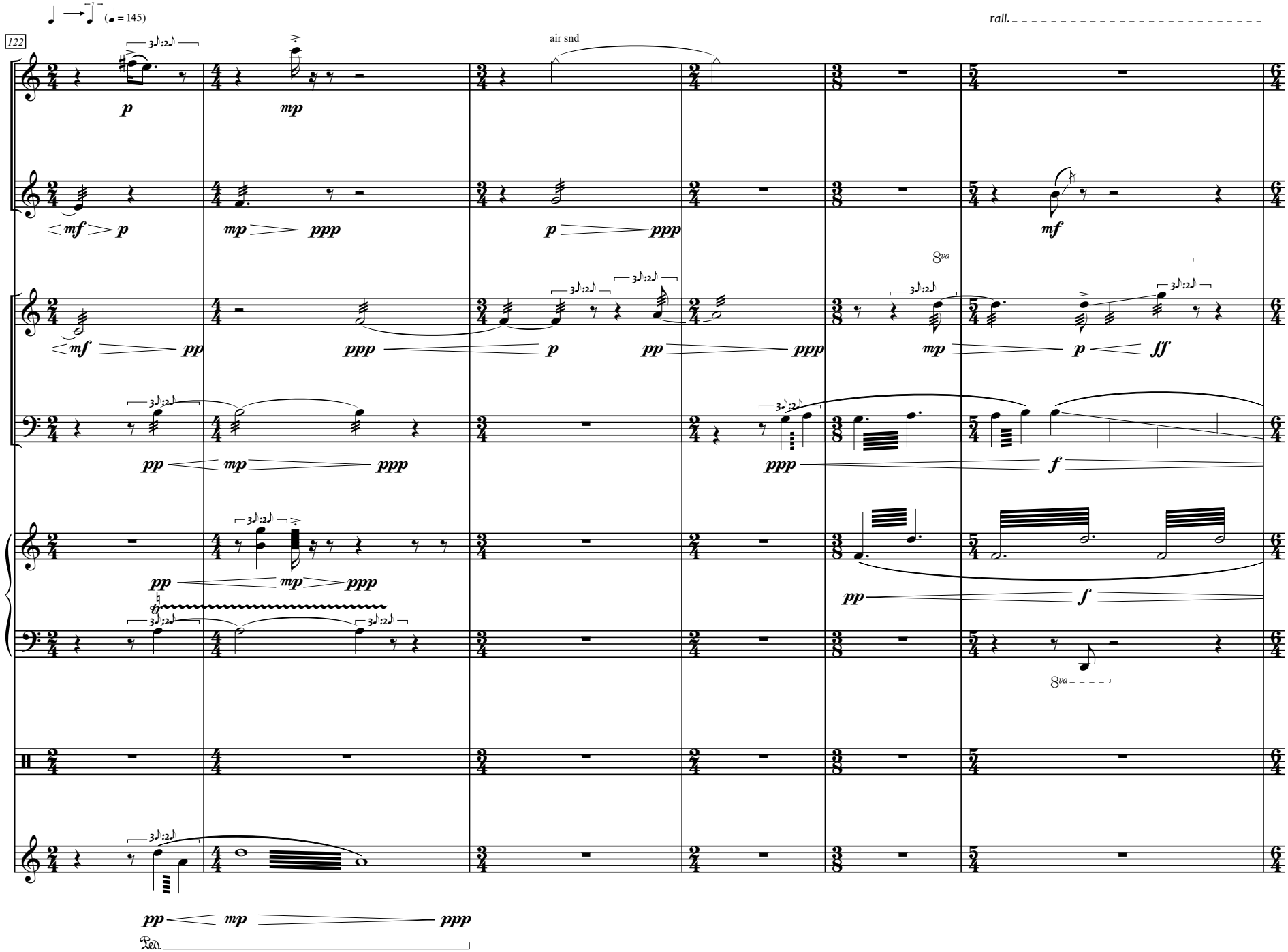

91
(♩ = 177)
rall.
mf
mp
p
pp
ppp
8va
Ped.

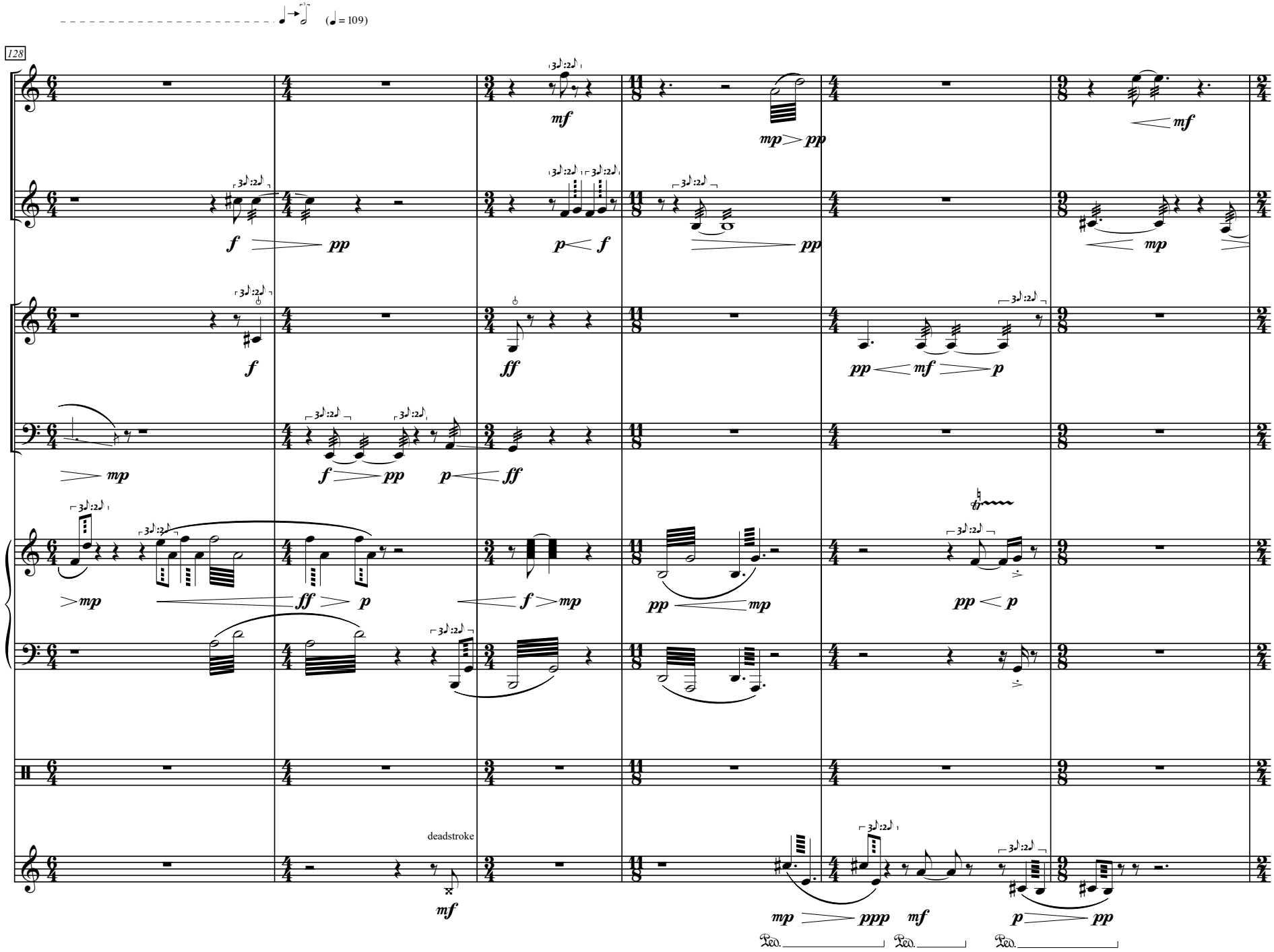

98
(♩= 89)
acc.
15ma
drumstick
deadstroke

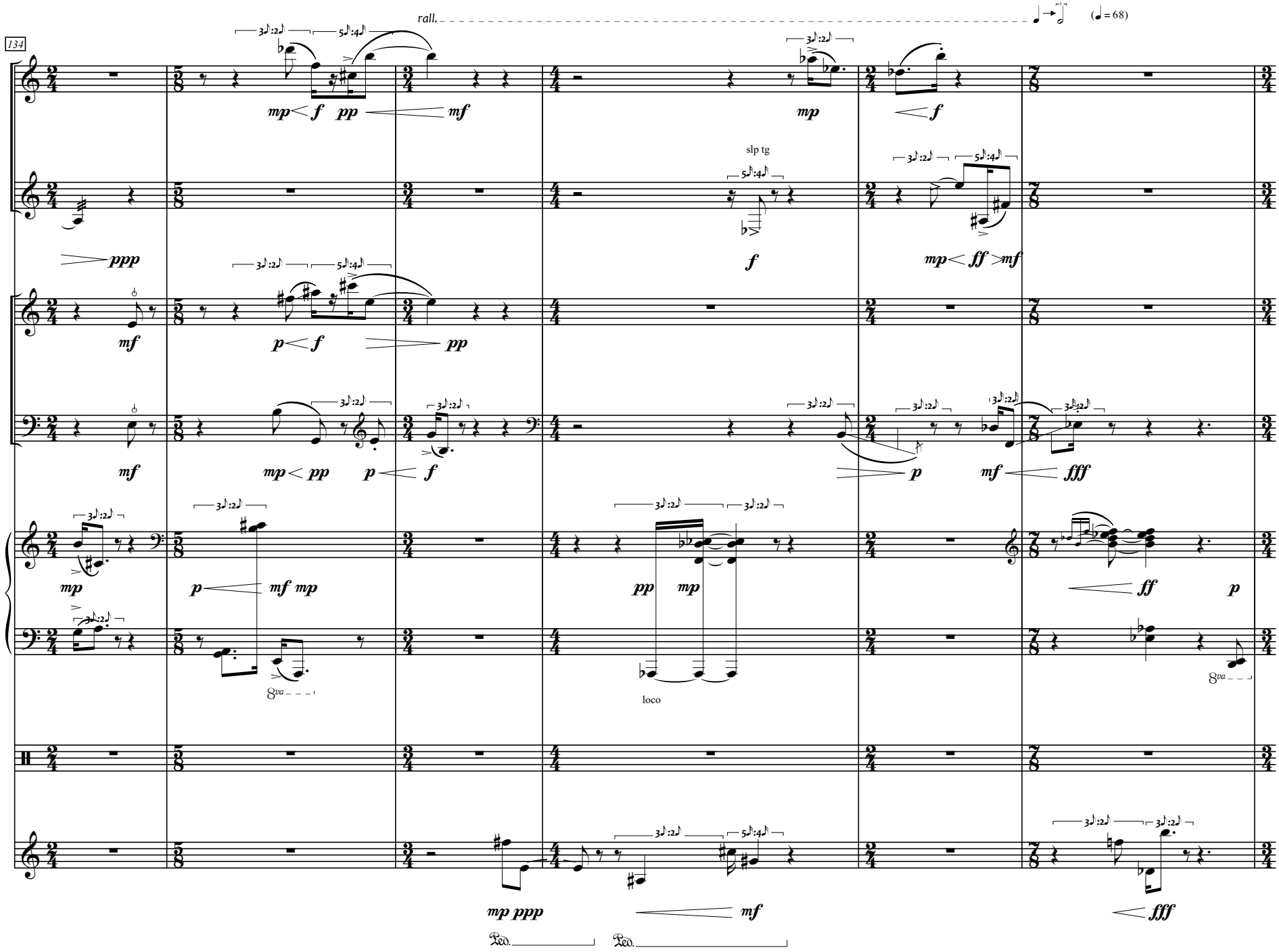

(♩ = 133)
104
slp tg
pp p ppp < p
mp
mp > p
< mf
pp < mp
pizz. lh. pizz
mp
p > pp < mp
p > pp
< mp > p
8va
15ma
pp < mp p
ppp p pp
p < mp
pp
p
clst
ppp < p
mp p
Ped.

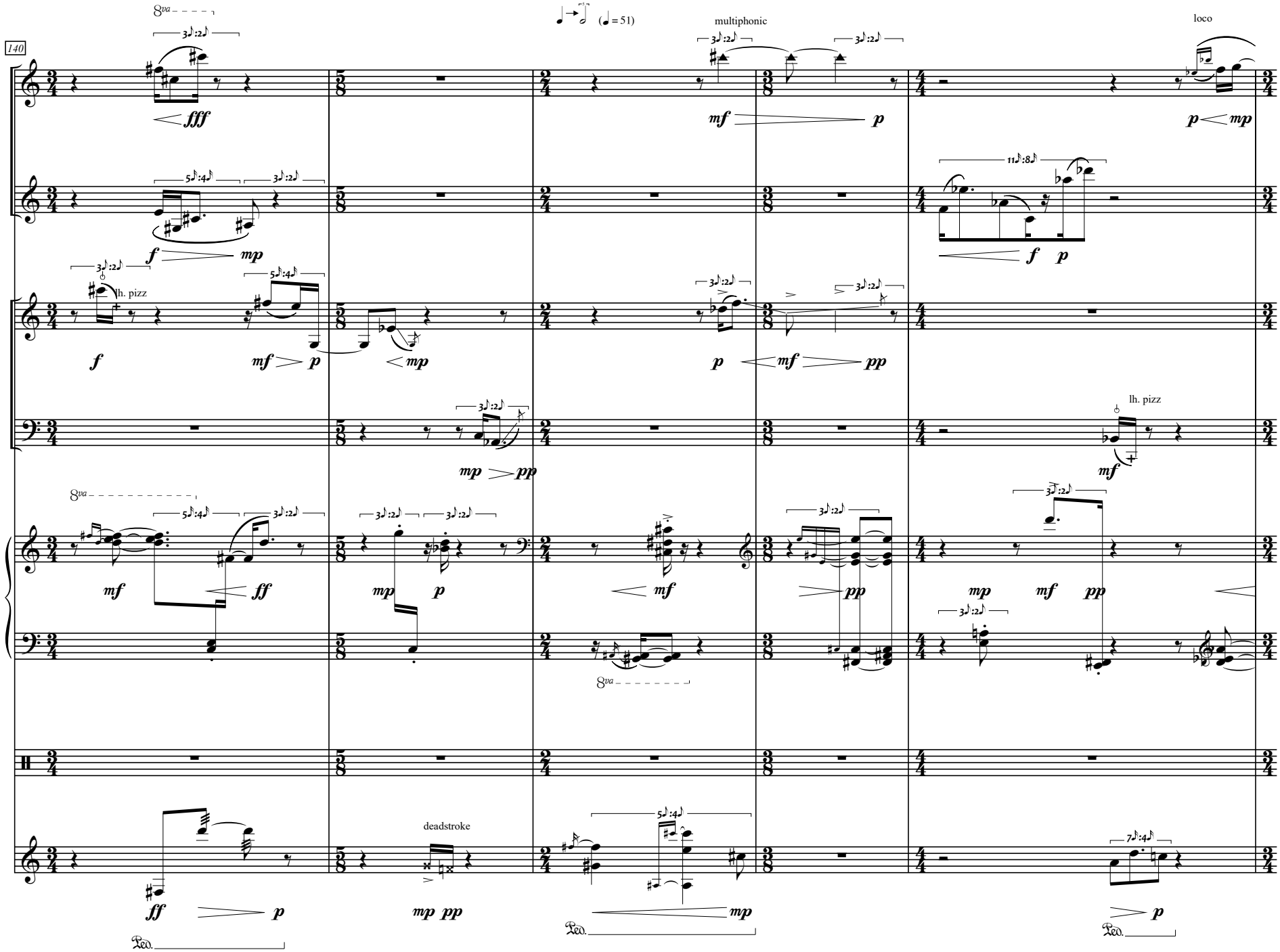

110
(8va)
rall.
(♩ = 83)
loco
ord.
8va
3♩:2♩
5♩:4♩
pizz.
(15ma)
15ma
Ped.

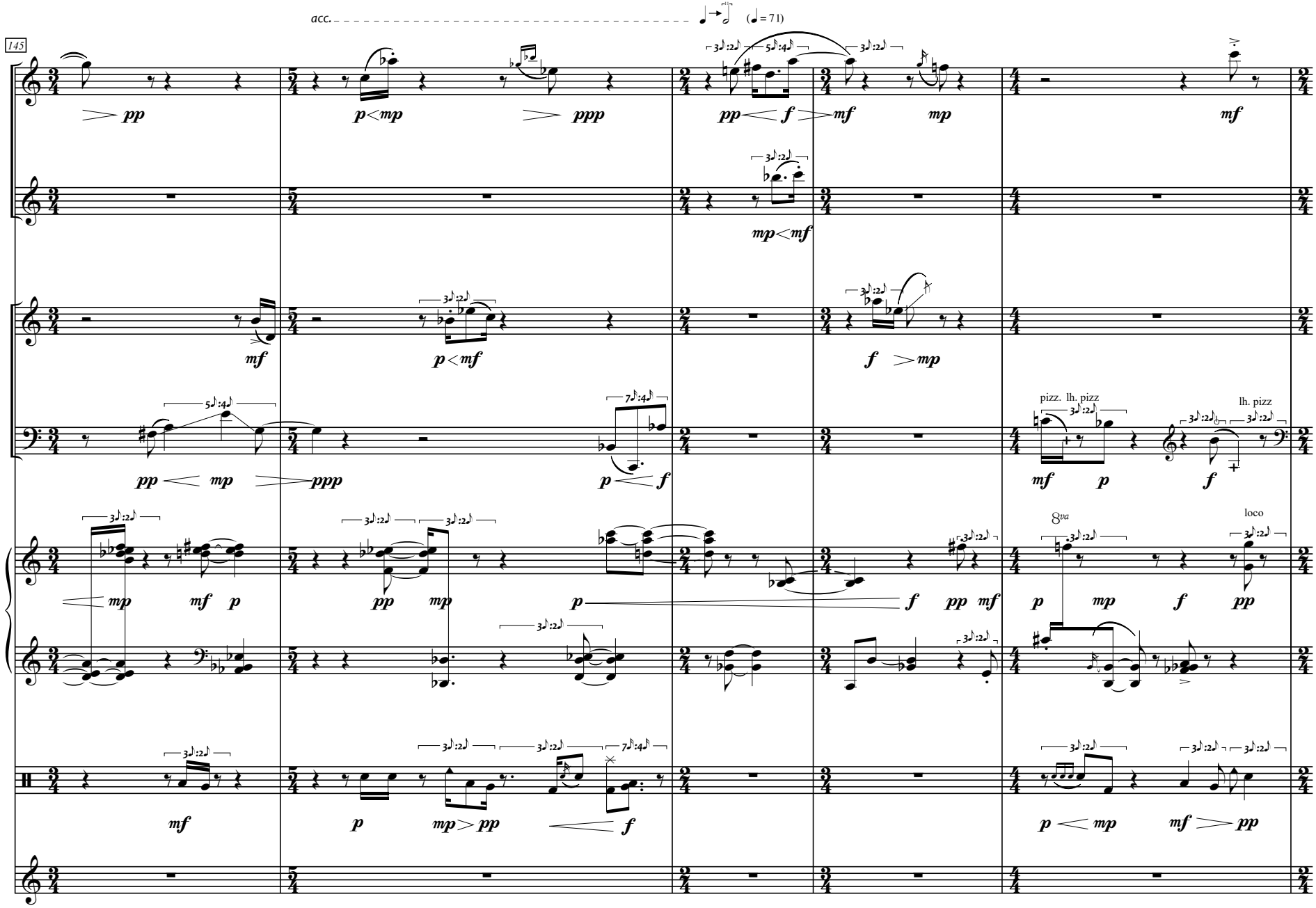

116
flz.
acc.
loco
15ma
marimba mallet
deadstroke
Ped.
Ped.

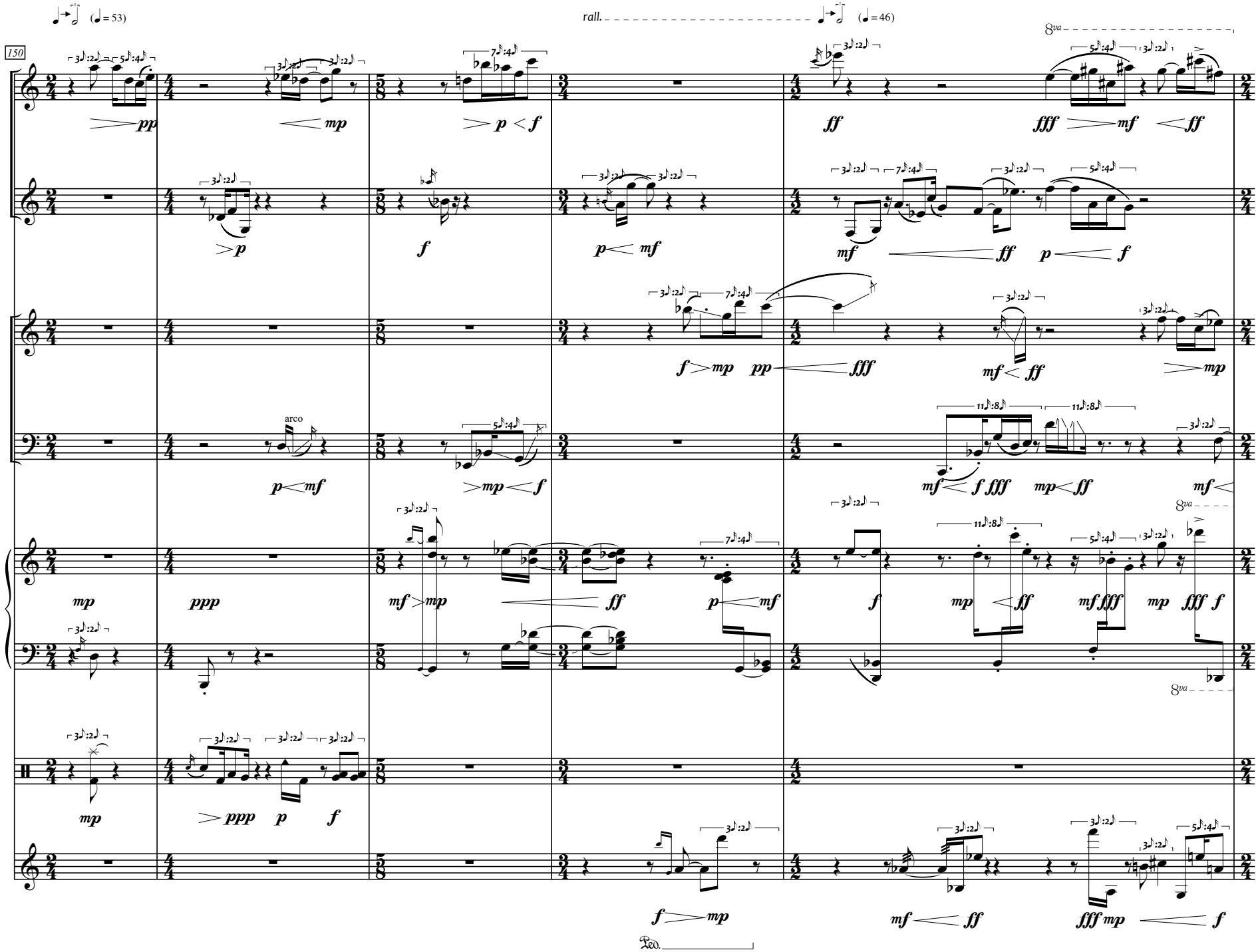

(♩ = 145)
122
air snd
rall.
8va
8va
Ped.

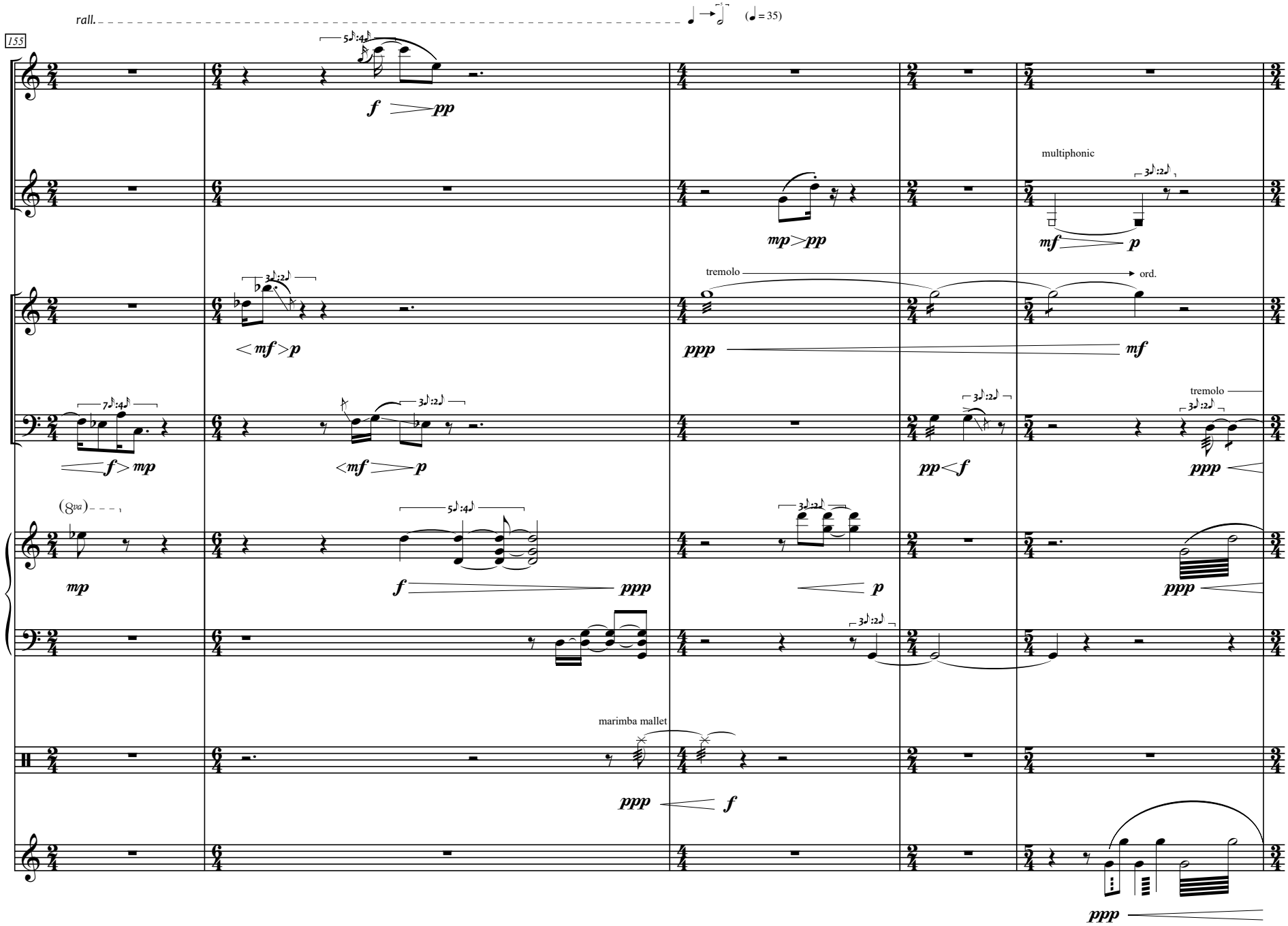

(♩ = 109)
128
mf
mp pp
mf
f pp
p f
pp
mp
f
ff
pp mf p
mp
f pp
p ff
mp
ff p
f mp
pp mp
pp p
deadstroke
mf
mp ppp
mf
p pp
Ped.
Ped.
Ped.

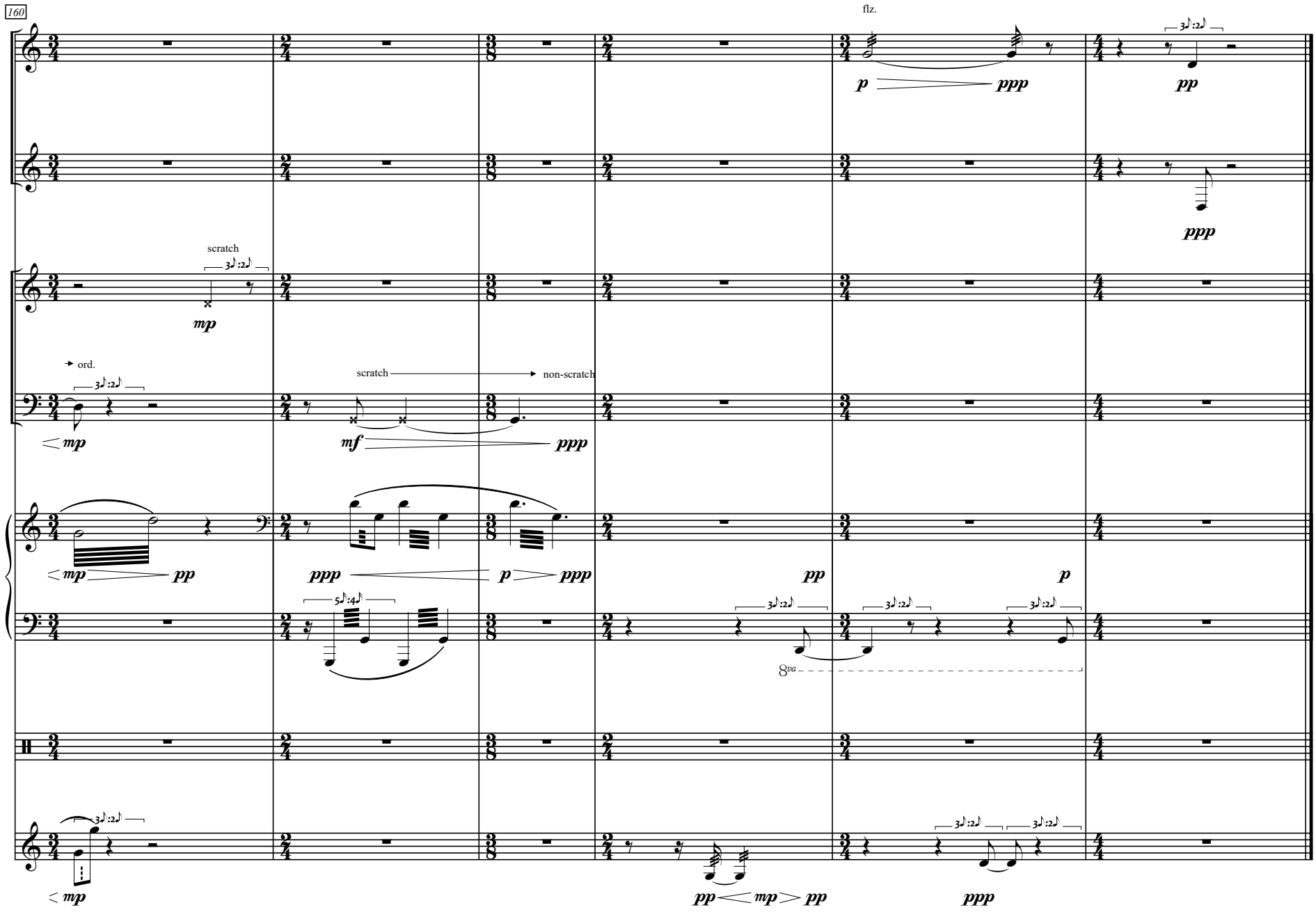

134
rall.
(♩ = 68)
slp tg
loco
8va
Ped.


140
(♩ = 51)
multiphonic
loco
lh. pizz
lh. pizz
deadstroke


acc.
(♩= 71)
145
pp
p<mp
ppp
pp<f
mf
mp
mf
mp<mf
mf
p<mf
f
>mp
pp<mp
ppp
p<f
pizz.
lh. pizz
lh. pizz
mf
p
f
mp
mf
p
pp
mp
p
f
pp
mf
p
mp
f
pp
8va
loco
mf
p
mp>pp
f
p<mp
mf>pp


(♩ = 53)
rall.
(♩ = 46)
150
8va
arco
Ped.


rall.
(♩ = 35)
155
f
pp
mp>pp
multiphonic
mf
p
<mf>p
tremolo
ppp
ord.
mf
f>mp
<mf>p
pp<f
tremolo
ppp
mp
f
ppp
p
ppp
marimba mallet
ppp
f
ppp


160
flz.
p
ppp
pp
ppp
scratch
mp
ord.
mp
scratch
non-scratch
mf
ppp
mp
pp
ppp
p
ppp
pp
p
8va
mp
pp
mp
pp
ppp