Aaron Cottle

Five Bagatelles

for Piano

Program Note:

Composers often use the language of mathematics literally; they will take a mathematical construct and directly relate it to pitch, rhythm or some other aspect of music. *Five Bagatelles* takes the opposite approach—each movement reflects the different kinds of awe and joy one can feel whilst researching different fields of mathematics.

November 2024

1. Prime Number Theorem

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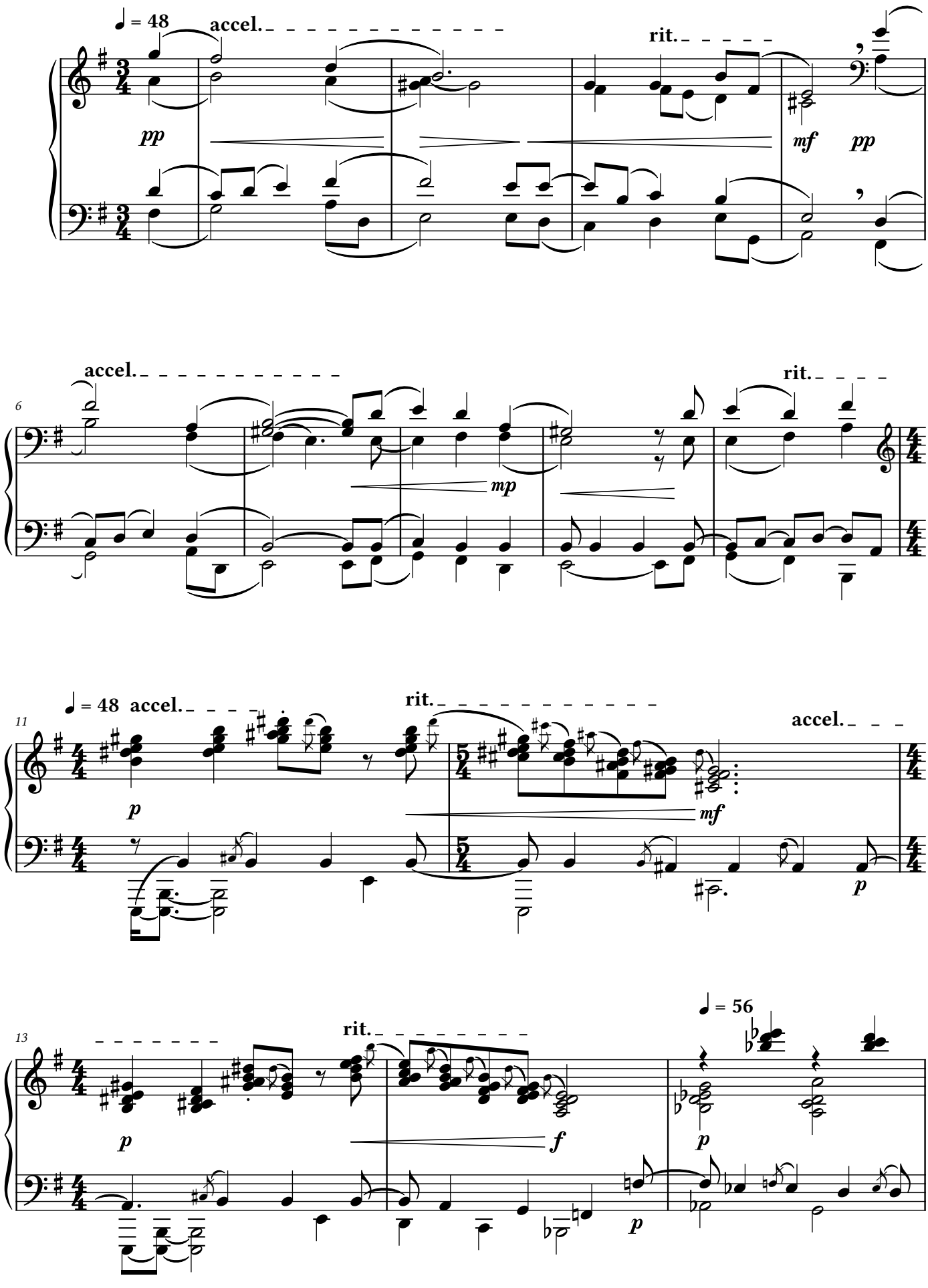

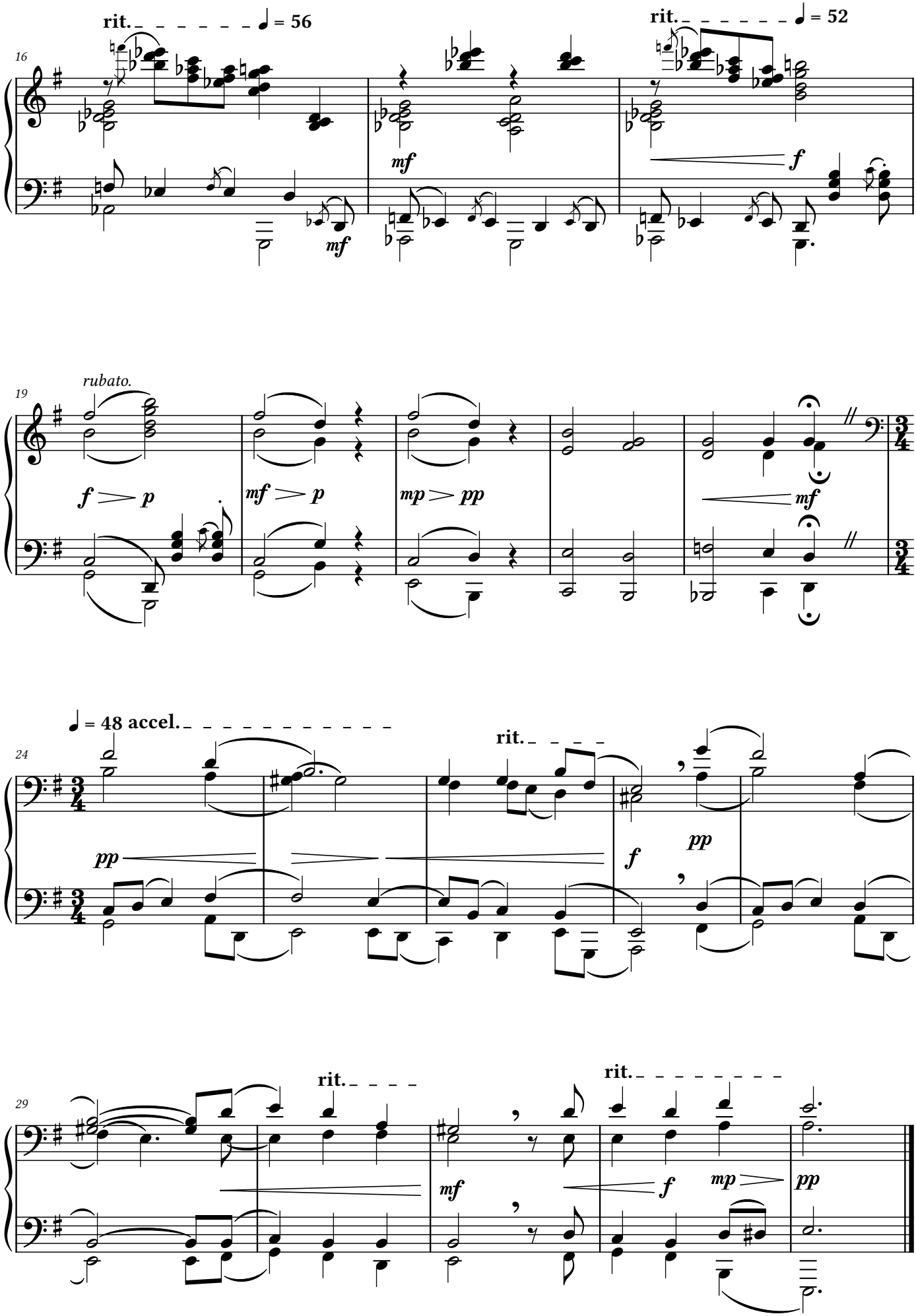
rit.
♩ = 56
16
mf
mf
rit.
♩ = 52
f
rubato.
19
f > p
mf > p
mp > pp
mf
3/4
♩ = 48 accel.
24
pp
rit.
f
pp
rit.
29
mf
rit.
f
mp >
pp

2. Classification of Finite Simple Groups

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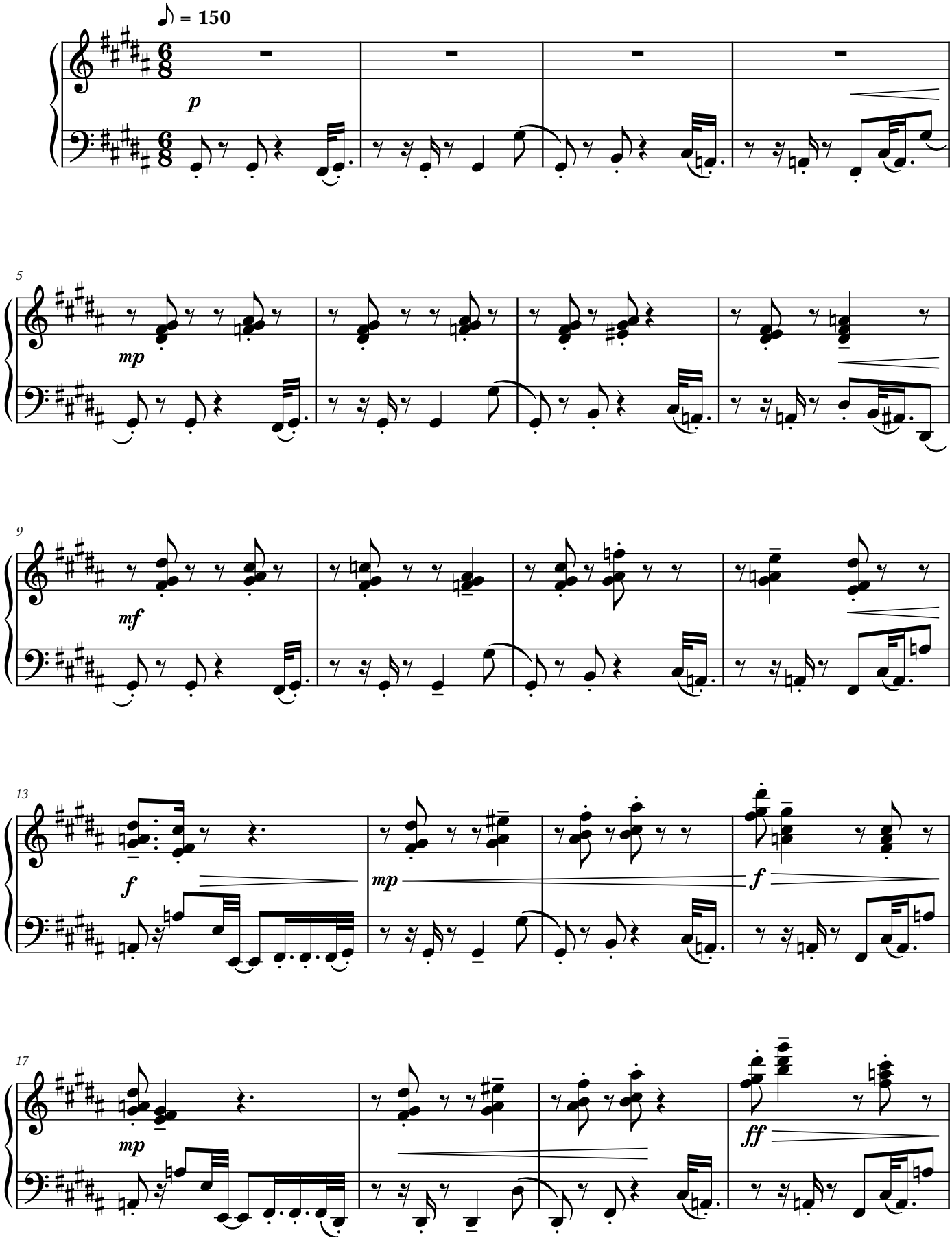
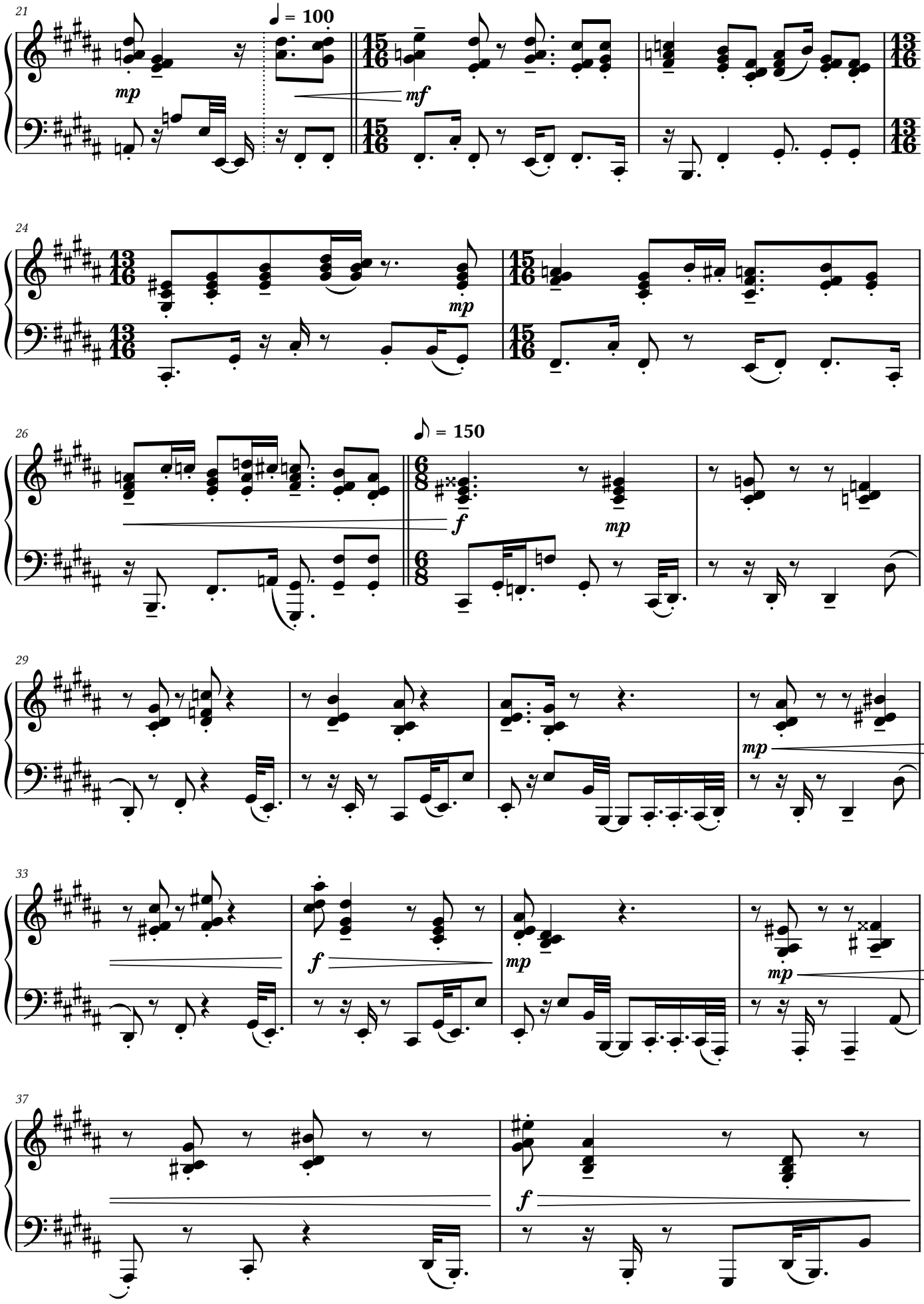
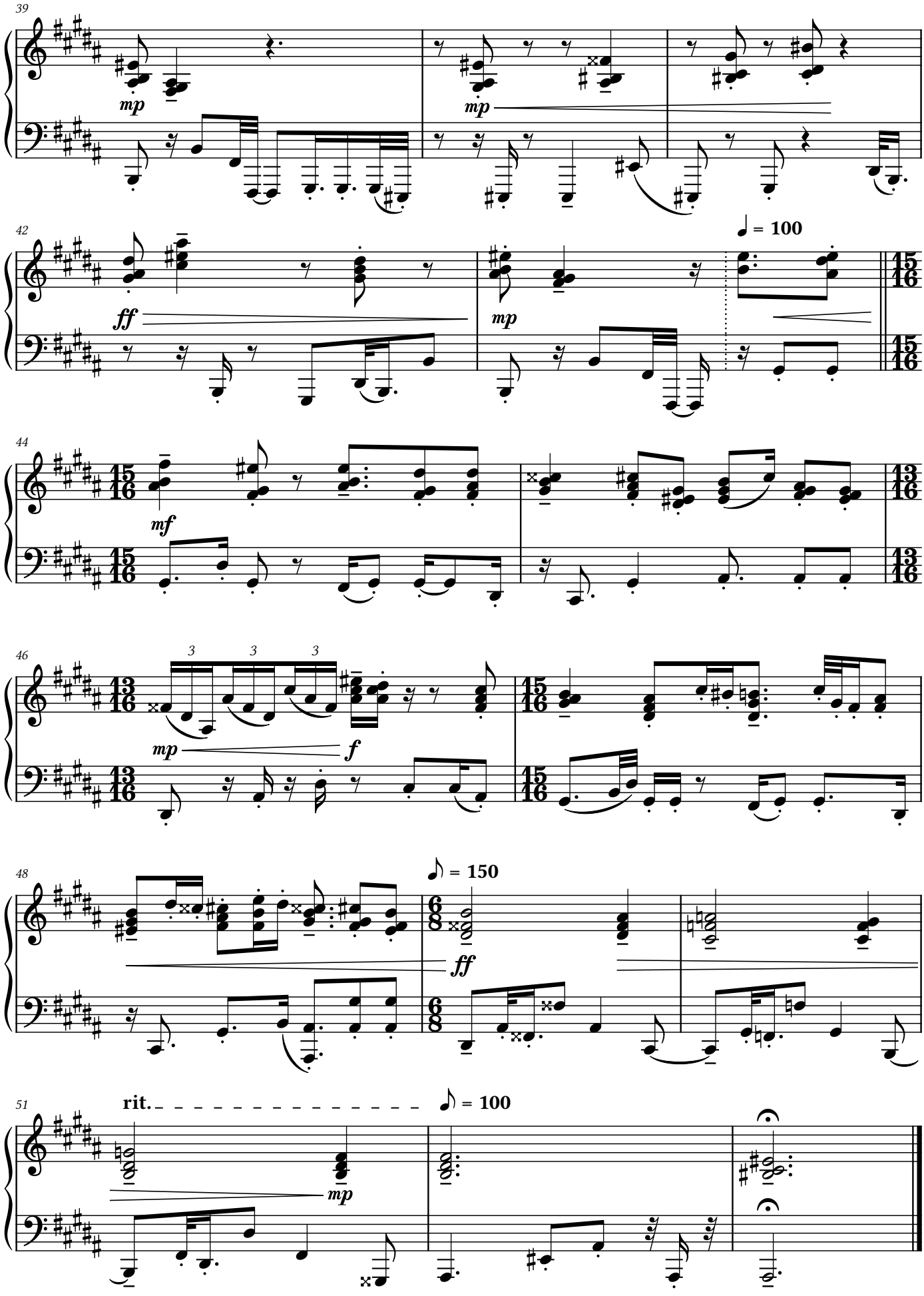



21
♩ = 100
mp
mf
15/16
13/16
24
mp
26
♪ = 150
f
mp
6/8
29
mp
33
f
mp
mp
37
f


39
mp
mp
42
ff
mp
♩ = 100
15/16
44
mf
15/16
13/16
46
3
3
3
mp
f
13/16
15/16
48
♪ = 150
ff
6/8
51
rit.
♪ = 100
mp

3. Turing Machine

With Googly Eyes

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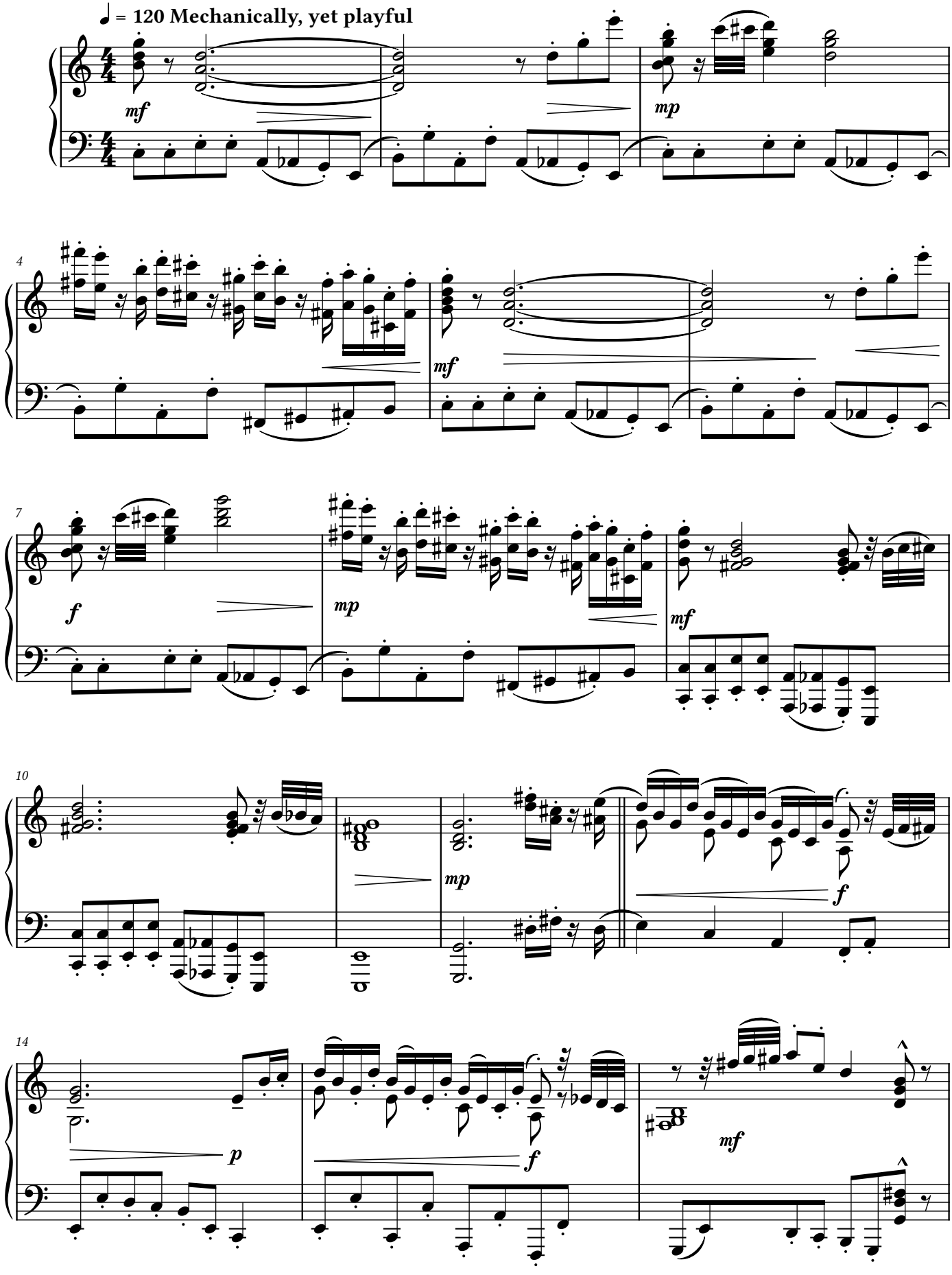

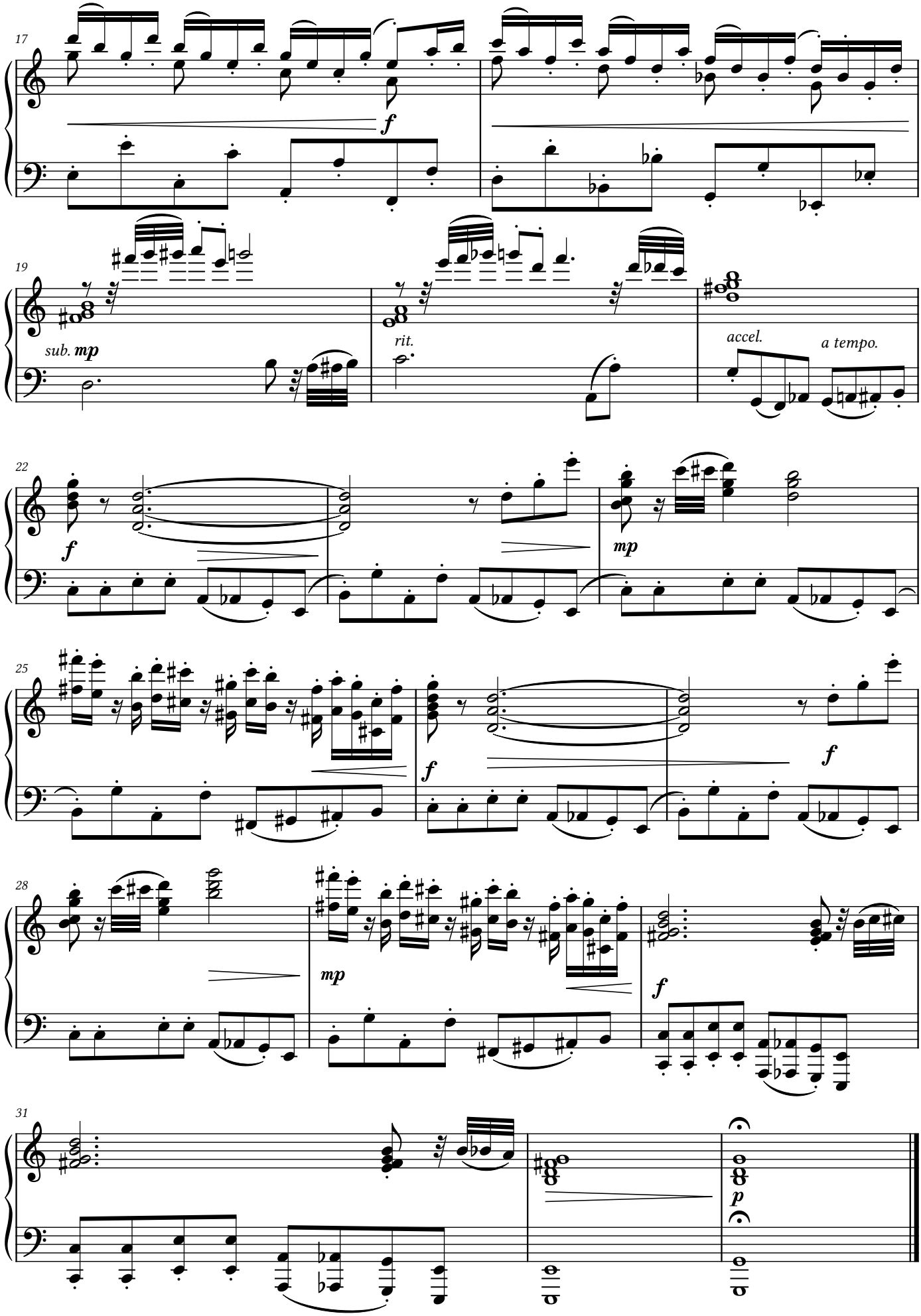
17
f
19
sub. mp
rit.
accel.
a tempo.
22
f
mp
25
f
f
28
mp
f
31
p

4. Ants on a Klein Bottle

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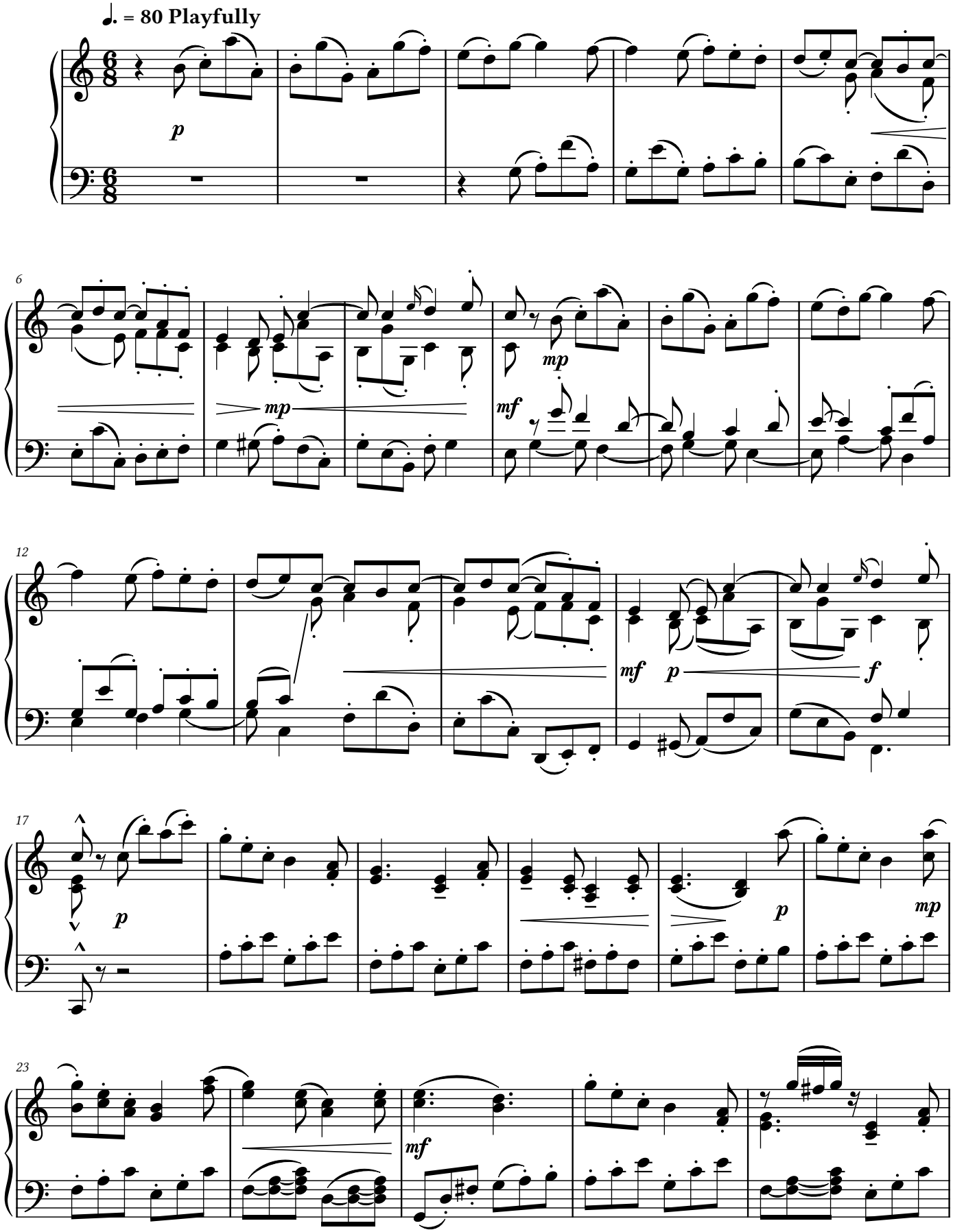

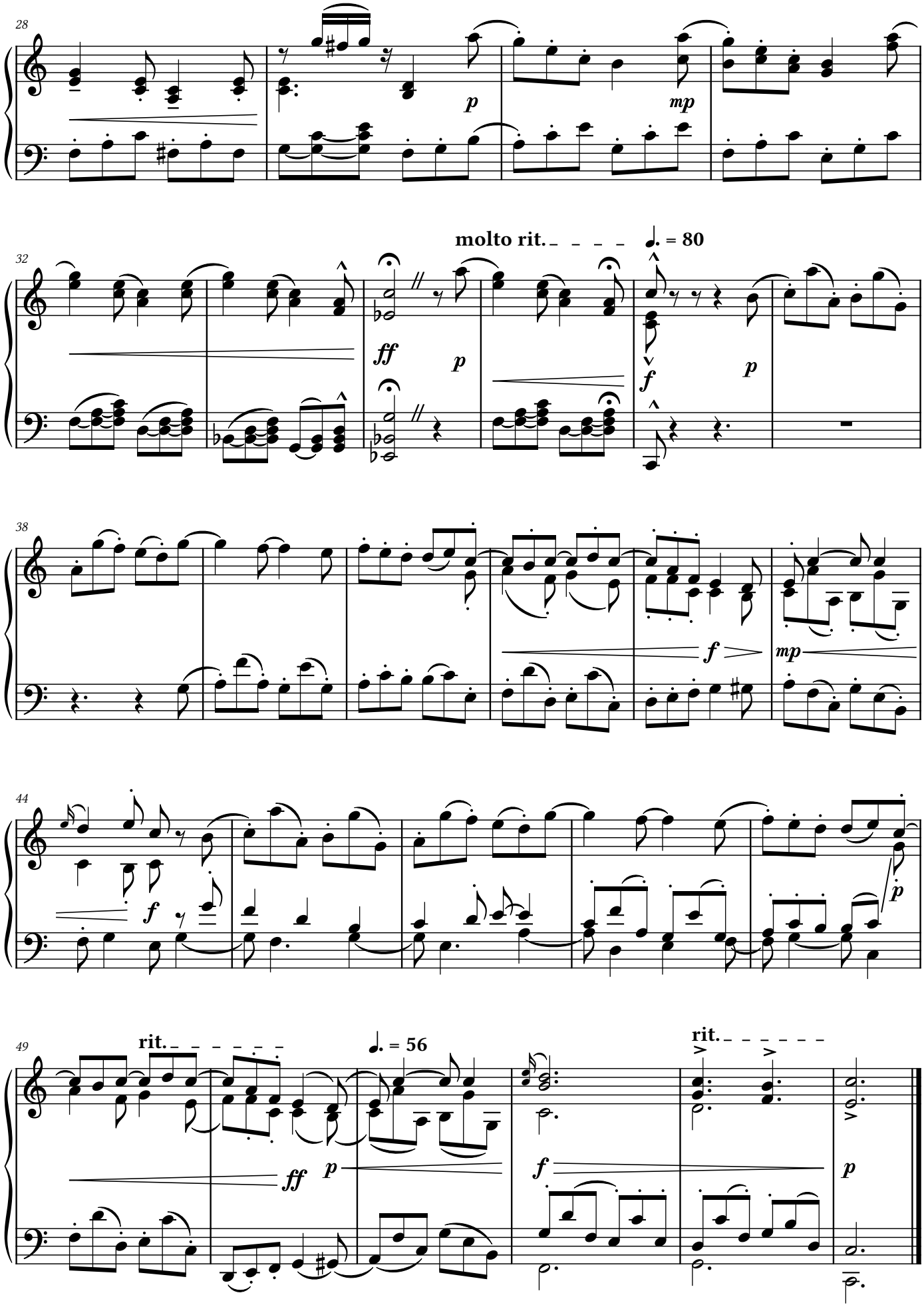
28
p
mp
32
molto rit.
♩. = 80
ff
p
f
p
38
f
mp
44
f
p
49
rit.
♩. = 56
rit.
ff
p
f
p

5. Navier-Stokes Equations

The boundary between order and turbulence

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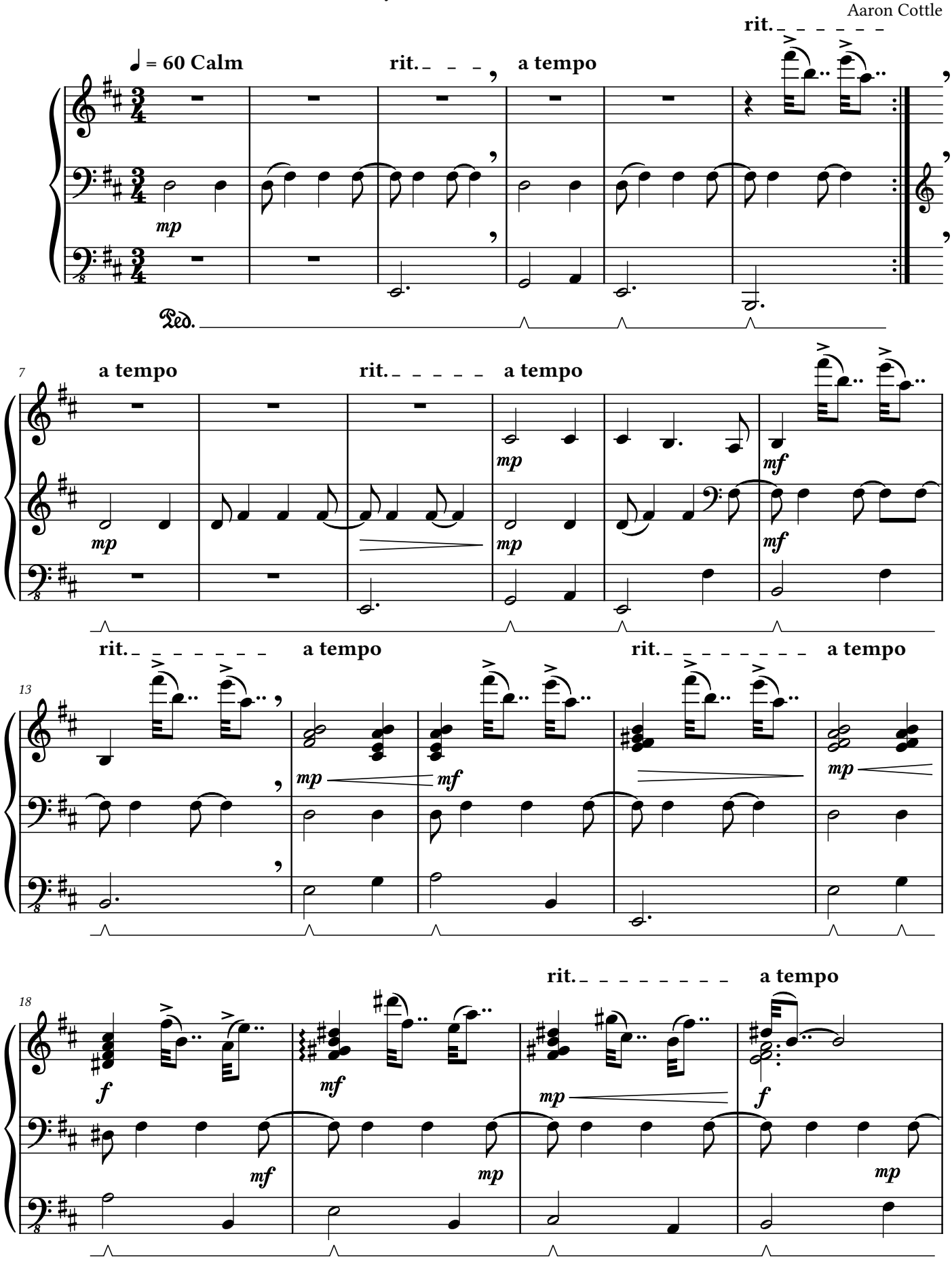
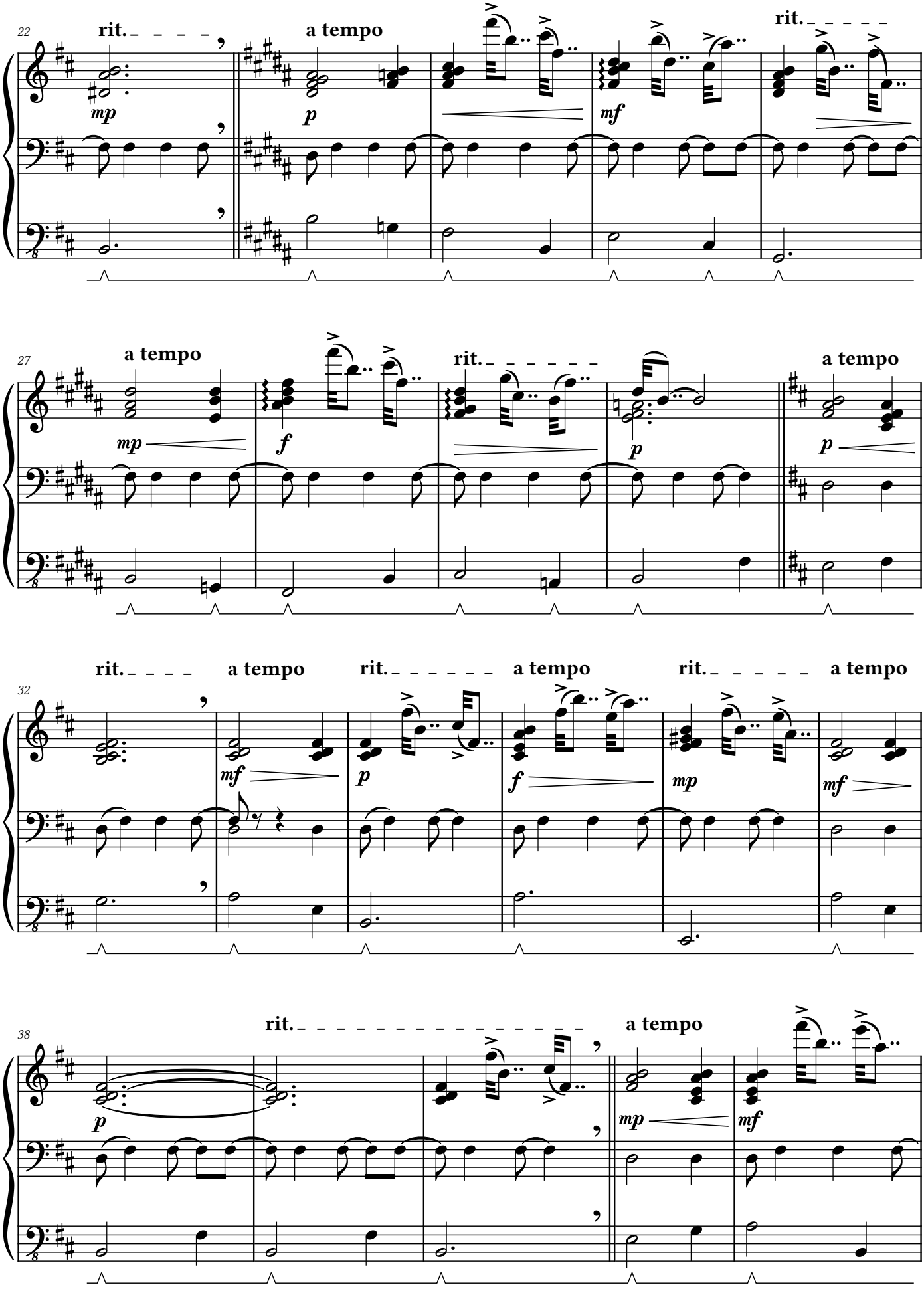
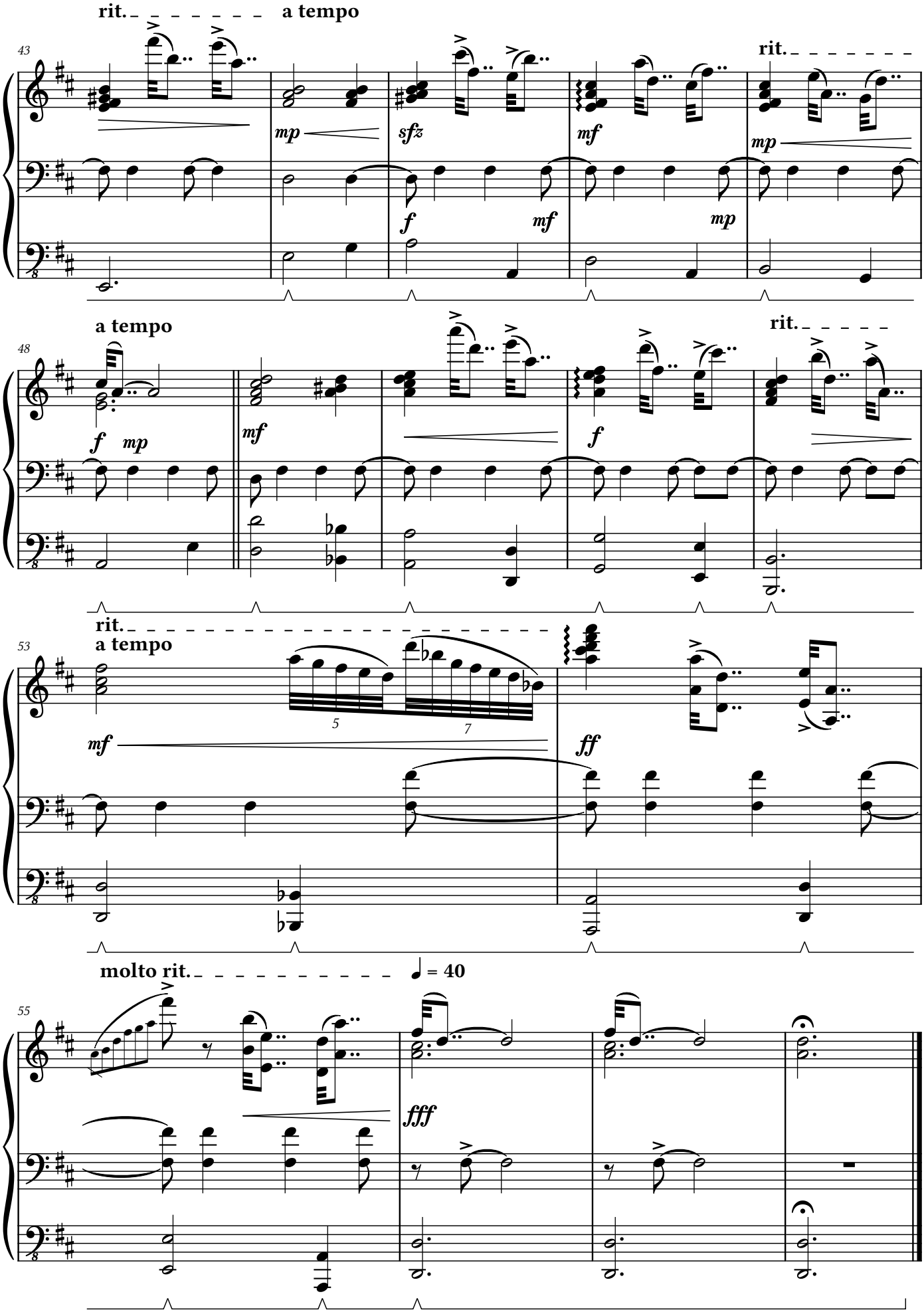



22
rit.
a tempo
rit.
mp
p
mf
27
a tempo
rit.
a tempo
mp
f
p
p
32
rit.
a tempo
rit.
a tempo
rit.
a tempo
mf
p
f
mp
mf
38
rit.
a tempo
p
mp
mf


rit.
a tempo
43
mp
sfz
f
mf
mf
mp
rit.
a tempo
48
f
mp
mf
f
rit.
rit.
a tempo
53
5
7
mf
ff
molto rit.
♩ = 40
55
fff