KYLE GANN:

HYPERCHROMATICA

FOR THREE RETUNED, COMPUTER-DRIVEN PIANOS

2015-21

Technical Specifications

The 33-pitch tuning of the three pianos (the same in every octave) is as follows, given first in the number of cents above E-flat, and then as ratios to the next lowest E-flat 1/1:

Piano	1		2		3	
D	1088	15/8	977	225/128	1044	117/64
Db	969	7/4	938	55/32	906	27/16
C	857	105/64	773	25/16	840	13/8
B	738	49/32	755	99/64	729	195/128
Bb	702	3/2	590	45/32	609	91/64
A	551	11/8	551	11/8	481	169/128
Ab	471	21/16	440	165/128	408	81/64
G	386	5/4	320	77/64	342	39/32
Gb	204	9/8	275	75/64	275	75/64
F	155	35/32	192	143/128	192	143/128
E	92	135/128	53	33/32	27	65/64
Eb	0	1/1	1103	121/64	1173	63/32

Note that no string needs to be raised higher than its natural tuning except for the B-flat on piano 1, which is 2¢ sharp (or if one prefers, 2¢ could be subtracted from all quantities).

For electronic realization of the piece, it can prove helpful to reconfigure he tuning as a reference pitch in cycles per second for each piano, and ratios derived from that standard:

Tuning pitch:	38.891 cps	36.7641 cps	38.2833 cps
D	15/8	225/121	13/7
Db	7/4	20/11	12/7
C	105/64	200/121	104/63
B	49/32	18/11	65/42
Bb	3/2	180/121	13/9
A	11/8	16/11	169/126
Ab	21/16	15/11	9/7
G	5/4	14/11	26/21
F#	9/8	150/121	25/21
F	35/32	13/11	143/126
E	135/128	12/11	65/63
Eb	1/1	1/1	1/1

In the configuration of certain tuning softwares, the following sequences might facilitate getting the required tuning:

Piano 1:
38.891 = Eb0
1/1, 135/128, 35/32, 9/8, 5/4, 21/16, 11/8, 3/2, 49/32, 105/64, 7/4, 15/8

Piano 2:
36.7641485 = Eb0
1/1, 12/11, 13/11, 150/121, 14/11, 15/11, 16/11, 180/121, 18/11, 200/121, 20/11, 225/121
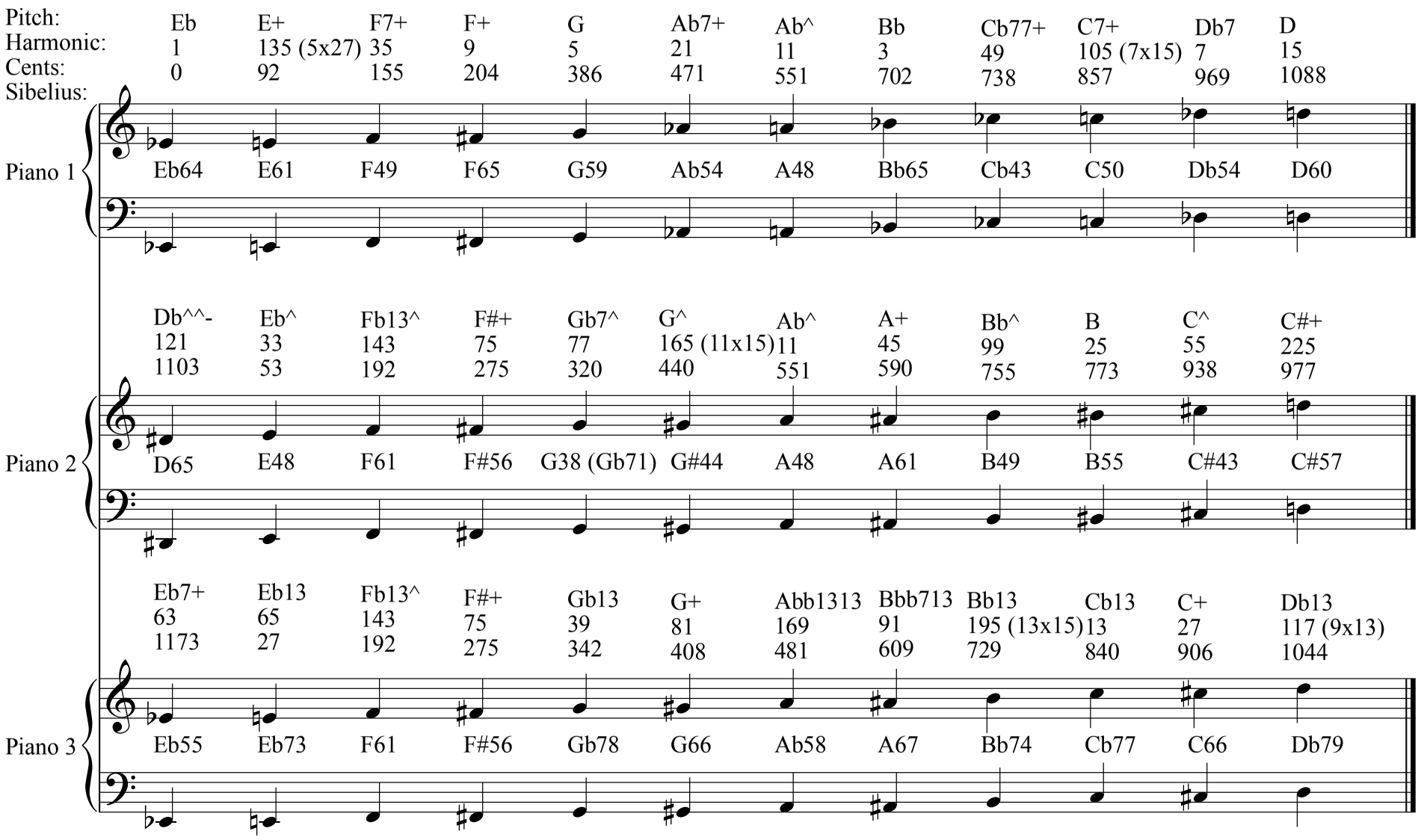
Piano 3:
38.283333 = Eb0
1/1, 65/63, 143/126, 25/21, 26/21, 9/7, 169/126, 13/9, 65/42, 104/63, 12/7, 13/7

For purposes of analysis, the entire scale (which I refer to as my 8x8 scale) is given below, grouping its pitches into eight harmonic series' on the 1^{st}, 3^{rd}, 5^{th}, 7^{th}, 9^{th}, 11^{th}, 13^{th}, and 15^{th} harmonics of E-flat, and naming each pitch in a typographical equivalent of Ben Johnston's just-intonation notation:

Pitch name	Ratio	Cents	1/1	3/2	5/4	7/4	9/8	11/8	13/8	15/8
Db^^-	121/64	1103						11		
D	15/8	1088	15	5	3					1
Db13	117/64	1044					13		9	
C#+	225/128	977								15
Db7	7/4	969	7			1				
C^	55/32	938			11			5		
C+	27/16	906		9			3			
C7+	105/64	857				15				7
Cb13	13/8	840	13						1	
B	25/16	773			5					
Bb^	99/64	755					11	9		
Cb77+	49/32	738				7				
Bb13	195/128	729							15	13
Bb	3/2	702	3	1						
Bbb713	91/64	609				13			7	
A+	45/32	590		15	9		5			3
Ab^	11/8	551	11					1		
Abb1313	169/128	481							13	
Ab7+	21/16	471		7		3				
G^	165/128	440						15		11
G+	81/64	408					9			
G	5/4	386	5		1					
Gb13	39/32	342		13					3	
Gb7^	77/64	320				11		7		
F#+	75/64	275			15					5
F+	9/8	204	9	3			1			
Fb13^	143/128	192						13	11	
F7+	35/32	155			7	5				
E+	135/128	92					15			9
Eb^	33/32	53		11				3		
Eb13	65/64	27			13				5	
Eb	1/1	0	1							
Eb7+	63/32	1173				9	7			
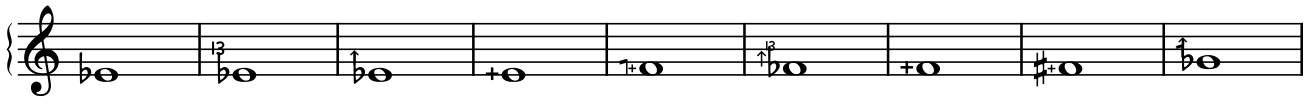
In Johnston's notation, + raises a pitch by 81/80, # raises it by 25/24, b lowers it by 24/25, 7 lowers it by 35/36, ^ raises it by 33/32, 13 raises it by 65/64, and F-A-C, C-E-G, and G-B-D are all perfectly tuned 4:5:6 major triads.

8x8 Three-Piano Tuning

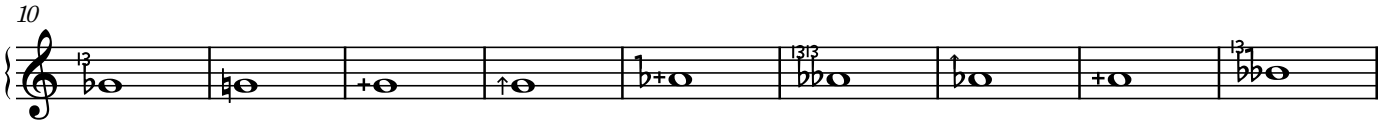


Hyperchromatica - Scale
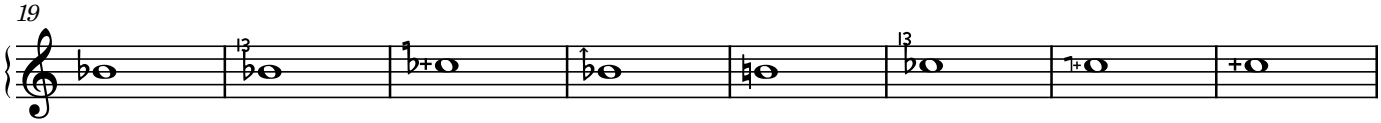
1/1	65/64	33/32	135/128	35/32	143/128	9/8	75/64	77/64
0¢	27¢	53¢	92¢	155¢	192¢	204¢	275¢	320¢



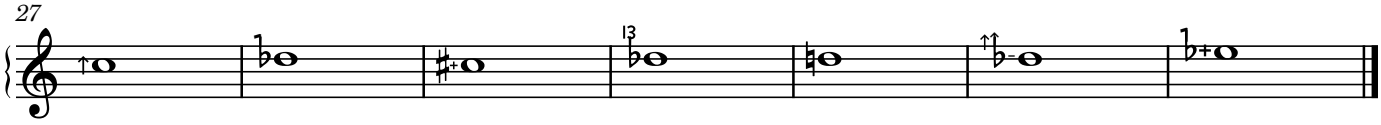
39/32	5/4	81/64	165/128	21/16	169/128	11/8	45/32	91/64
342¢	386¢	408¢	440¢	471¢	481¢	551¢	590¢	609¢



3/2	195/128	49/32	99/64	25/16	13/8	105/64	27/16
702¢	729¢	738¢	755¢	773¢	840¢	857¢	906¢



55/32	7/4	225/128	117/64	15/8	121/64	63/32
938¢	969¢	977¢	1044¢	1088¢	1103¢	1173¢
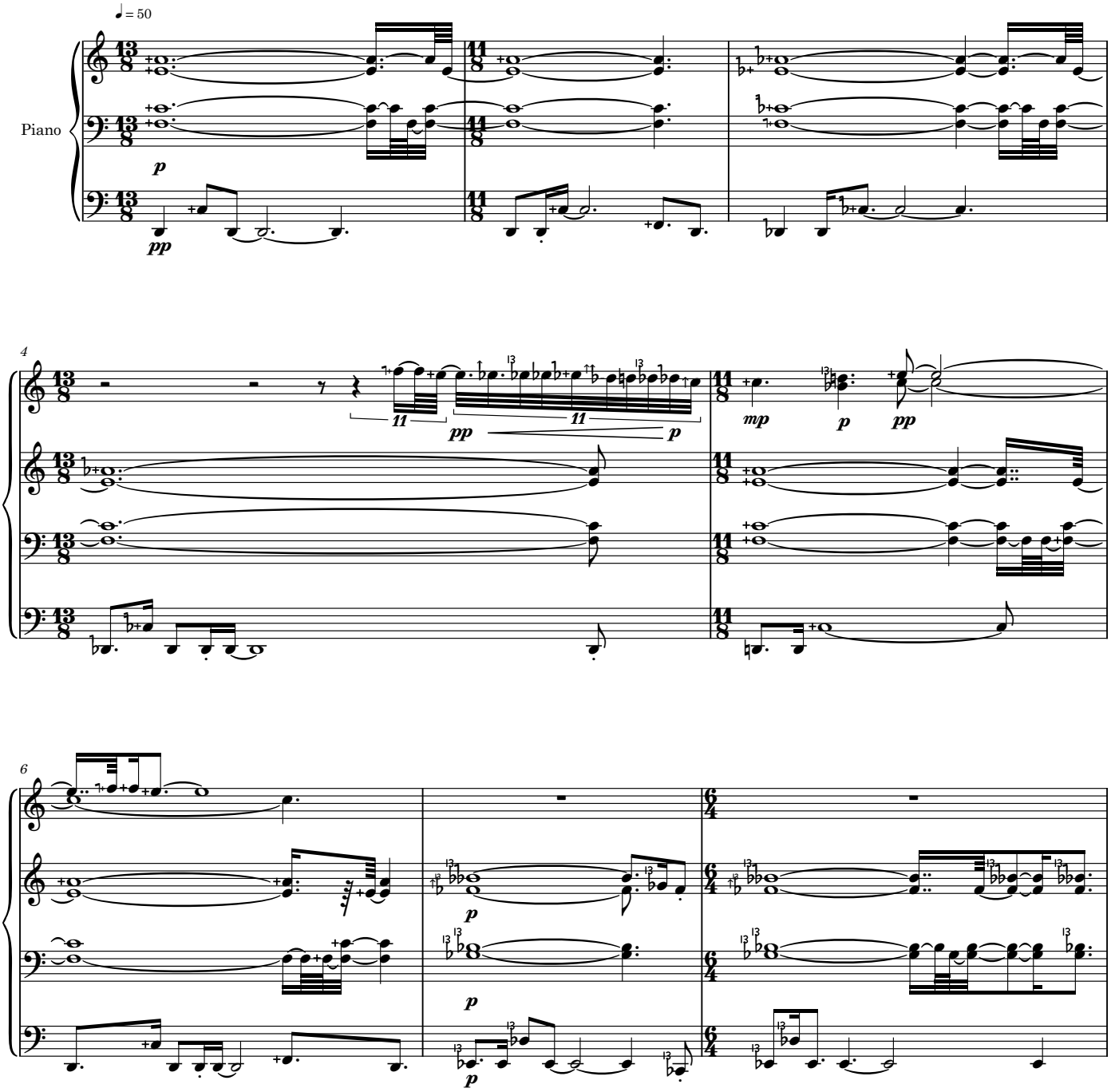


Contents:
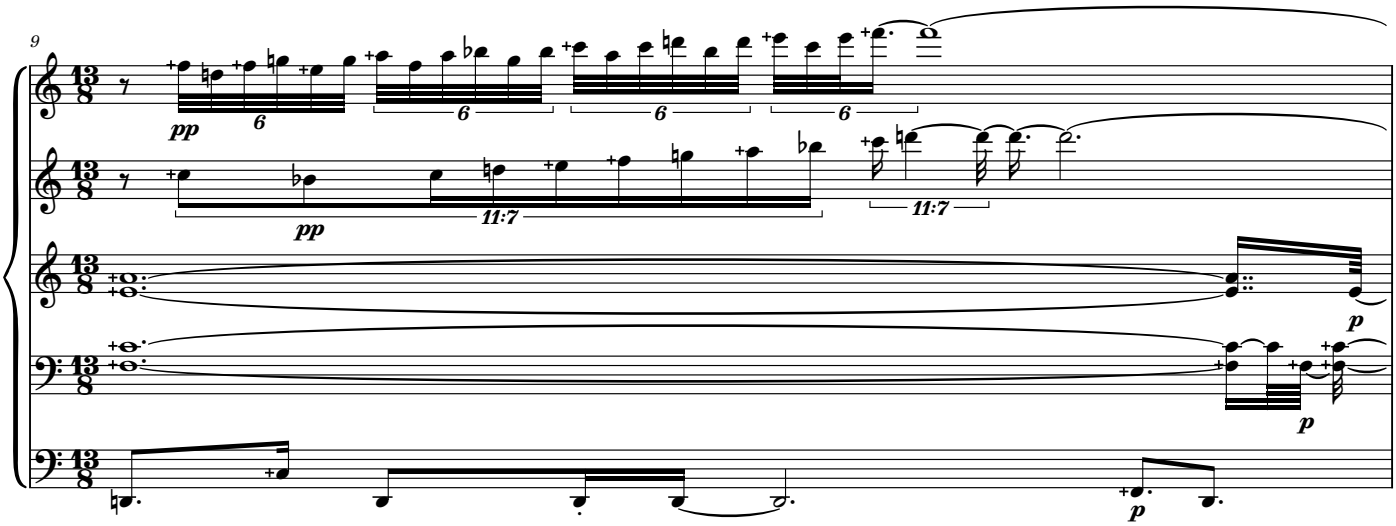
	Page Number	PDF Page
Andromeda Memories	1	8
Futility Row	20	27
Orbital Resonance	63	70
Pavane for a Dead Planet	110	117
Star Dance	130	137
Ride the Cosmos	151	158
Dark Forces Signify	187	194
The Lessing Is Miracle	201	208
Busted Grooves	244	251
Rings of Saturn	278	285
Pulsars	309	316
Delta Oracle	314	321
Neptune Night	335	342
Spacecat	383	390
Extravehicular Activity	395	402
Reverse Gravity	424	431
Romance Postmoderne	437	444
Geometry	447	454
2.7 Kelvin	505	512
Liquid Mechanisms	529	536
Galactic Jamboree	596	603

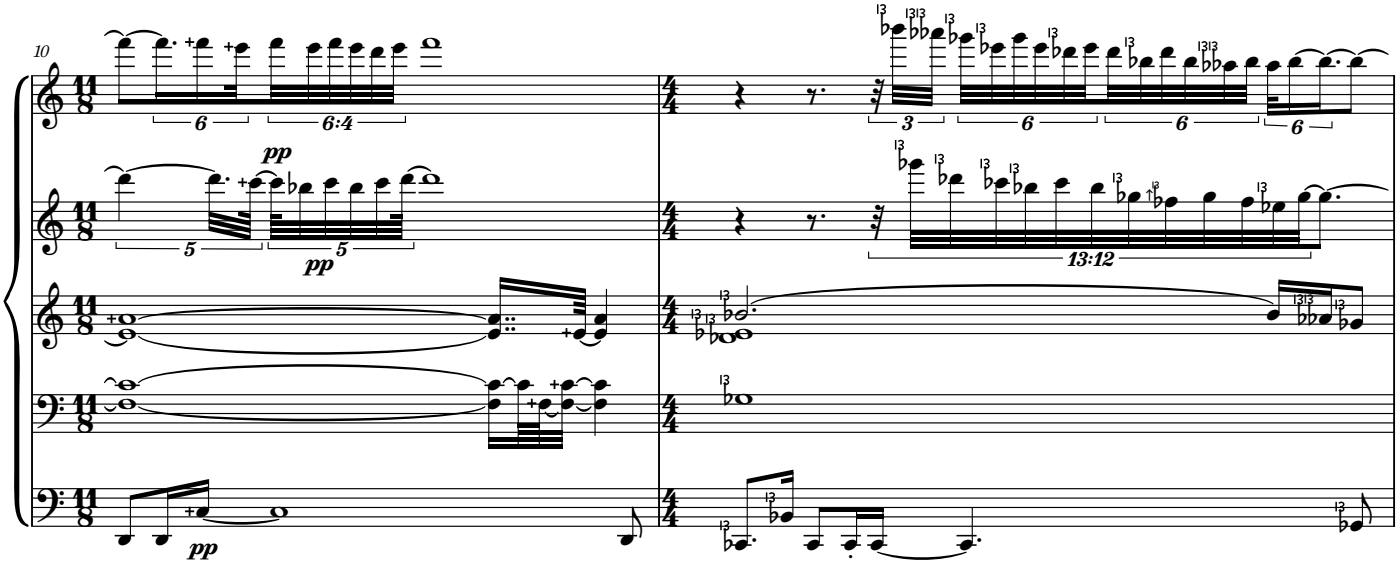
Andromeda Memories
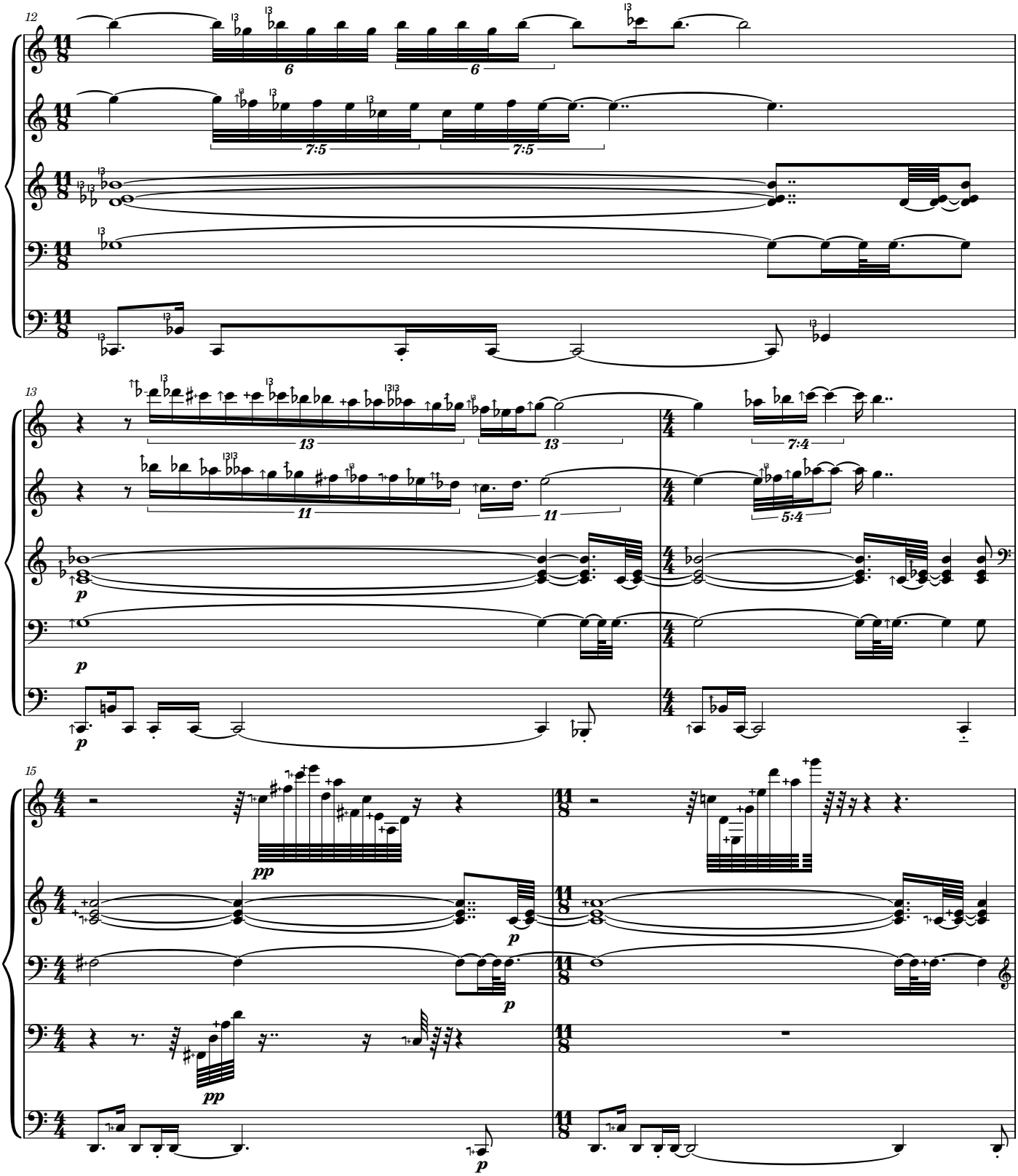
Kyle Gann
2017
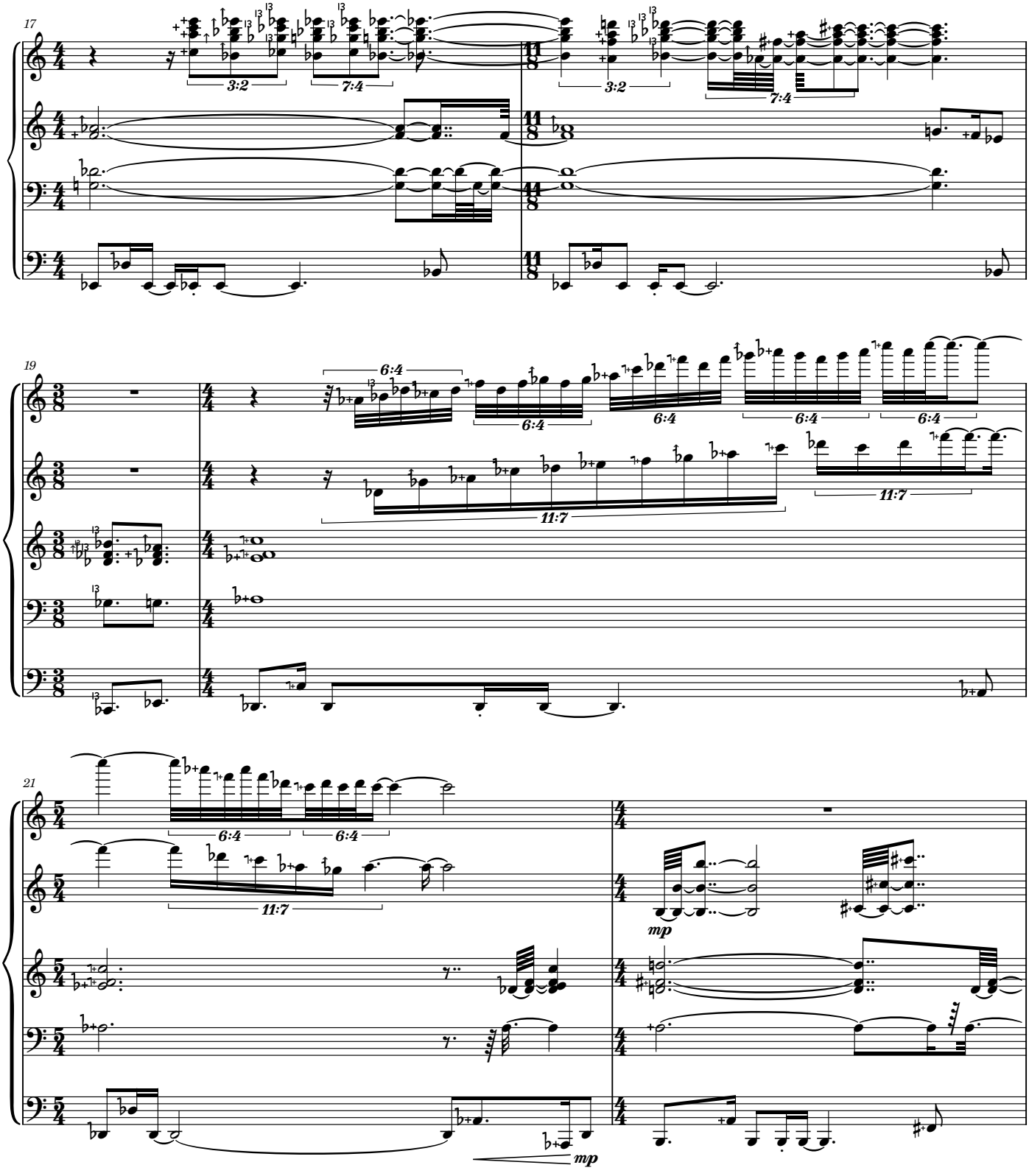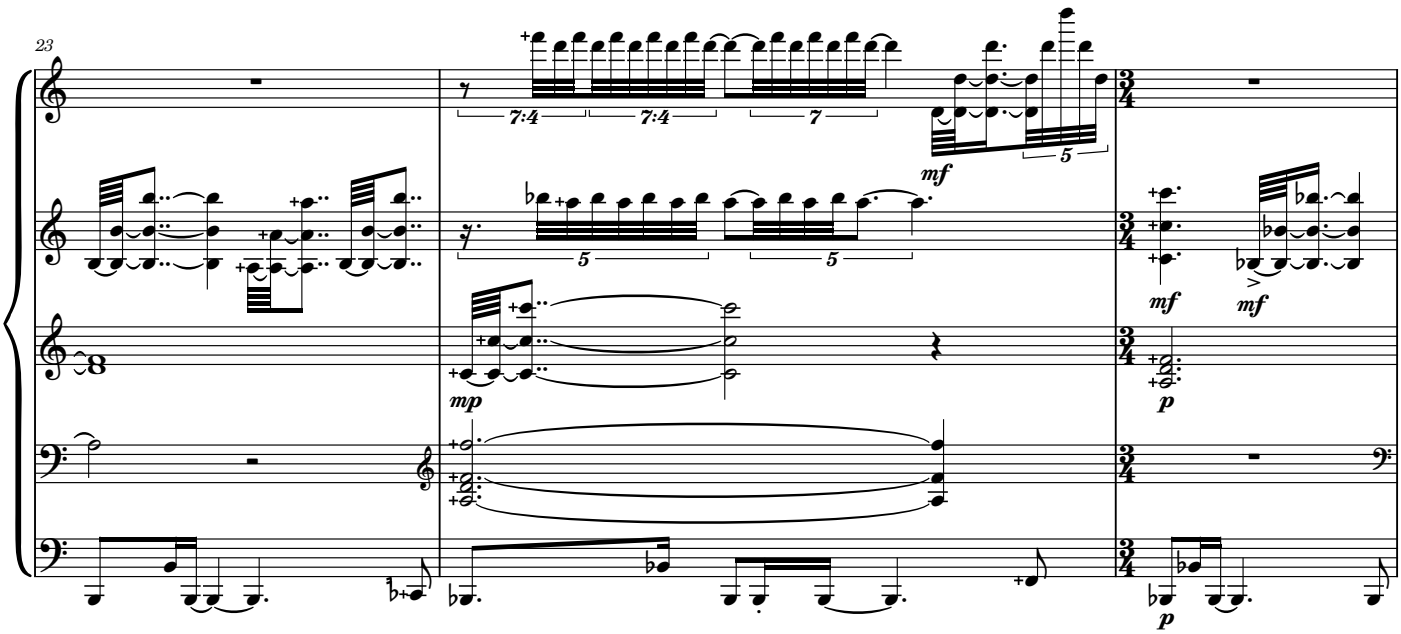


© Copyright 2017 Smith Grabholz Music

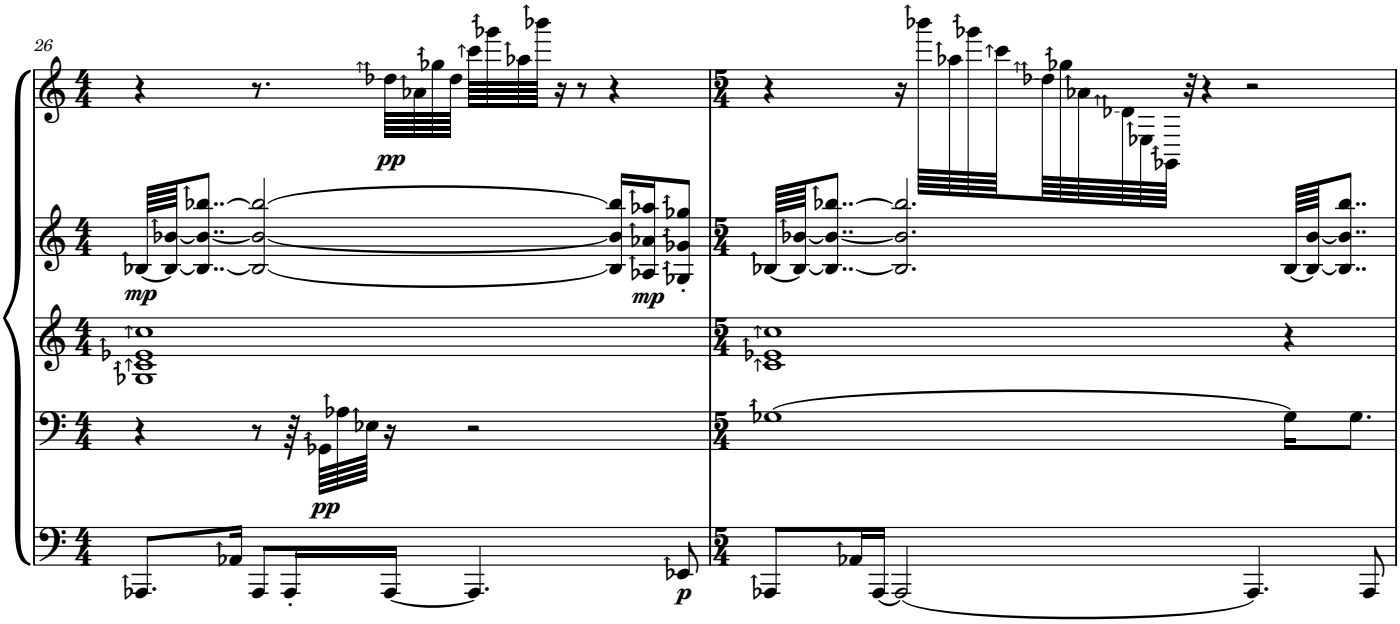

9
pp
6
6
6
6
pp
11:7
11:7
p
p
p
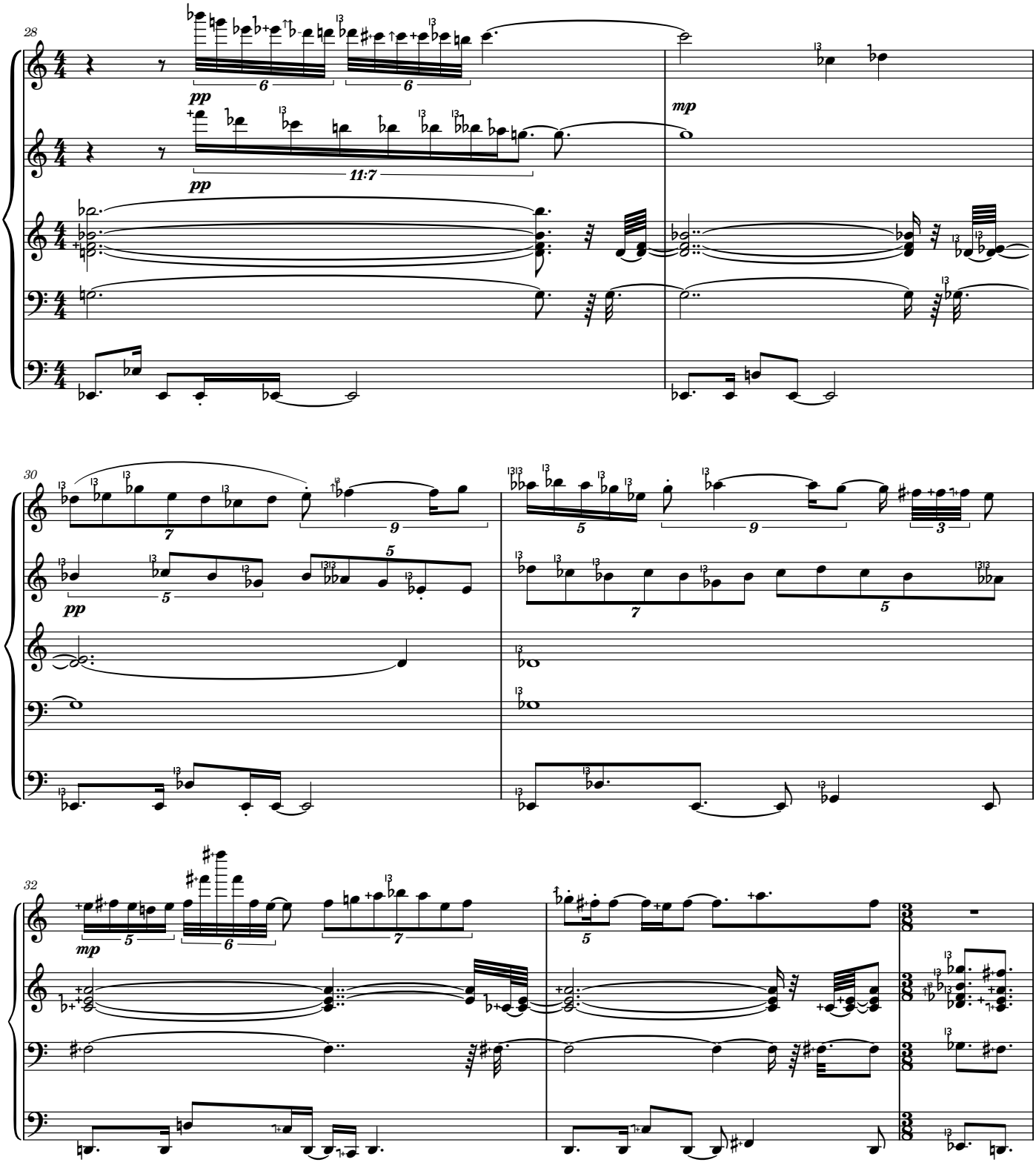

10
6
6:4
pp
5
pp
5
pp
3
6
6
6
13:12

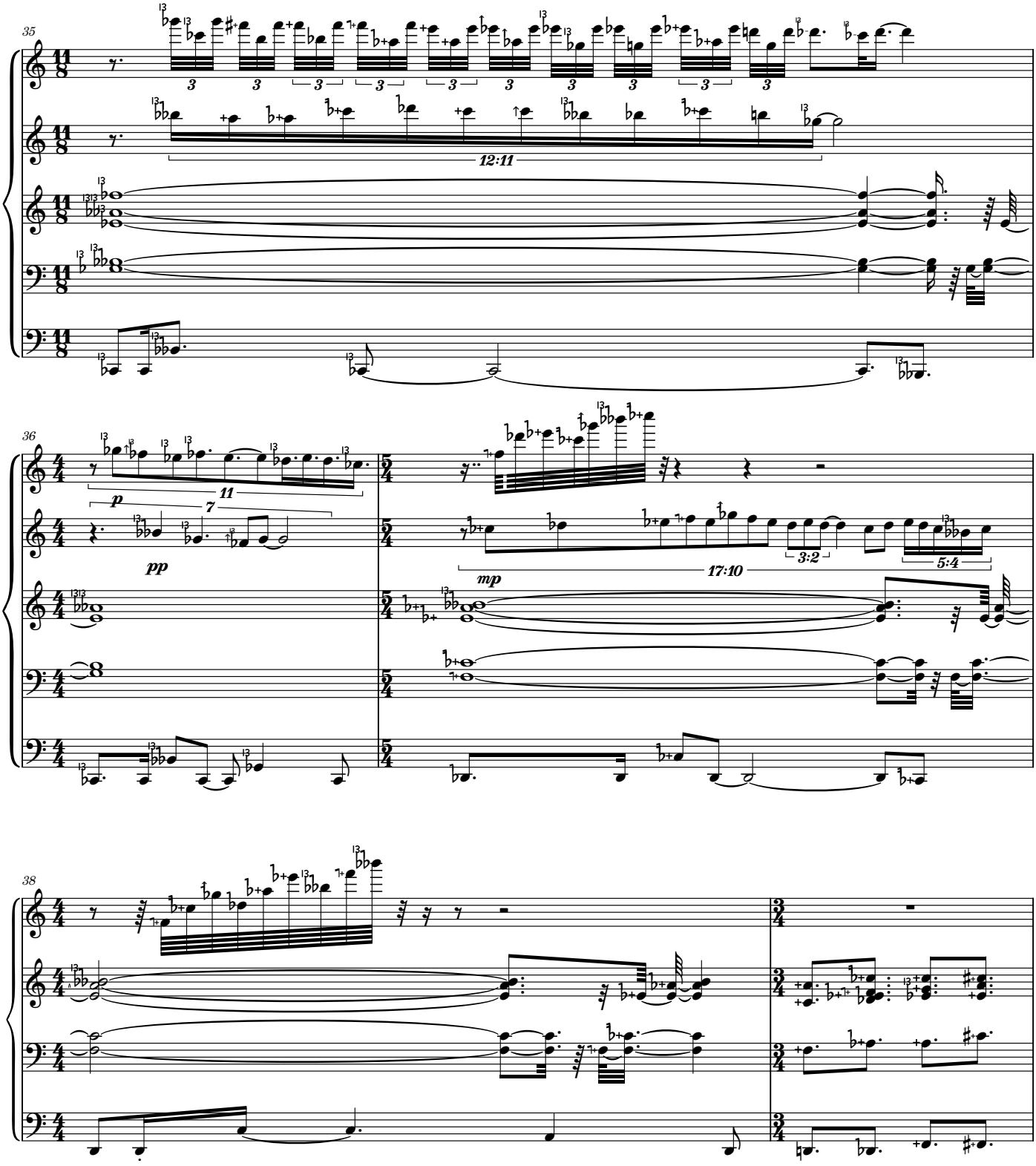

12
6
6
7:5
7:5
13
13
11
11
7:4
5:4
p
p
p
15
pp
p
pp
p
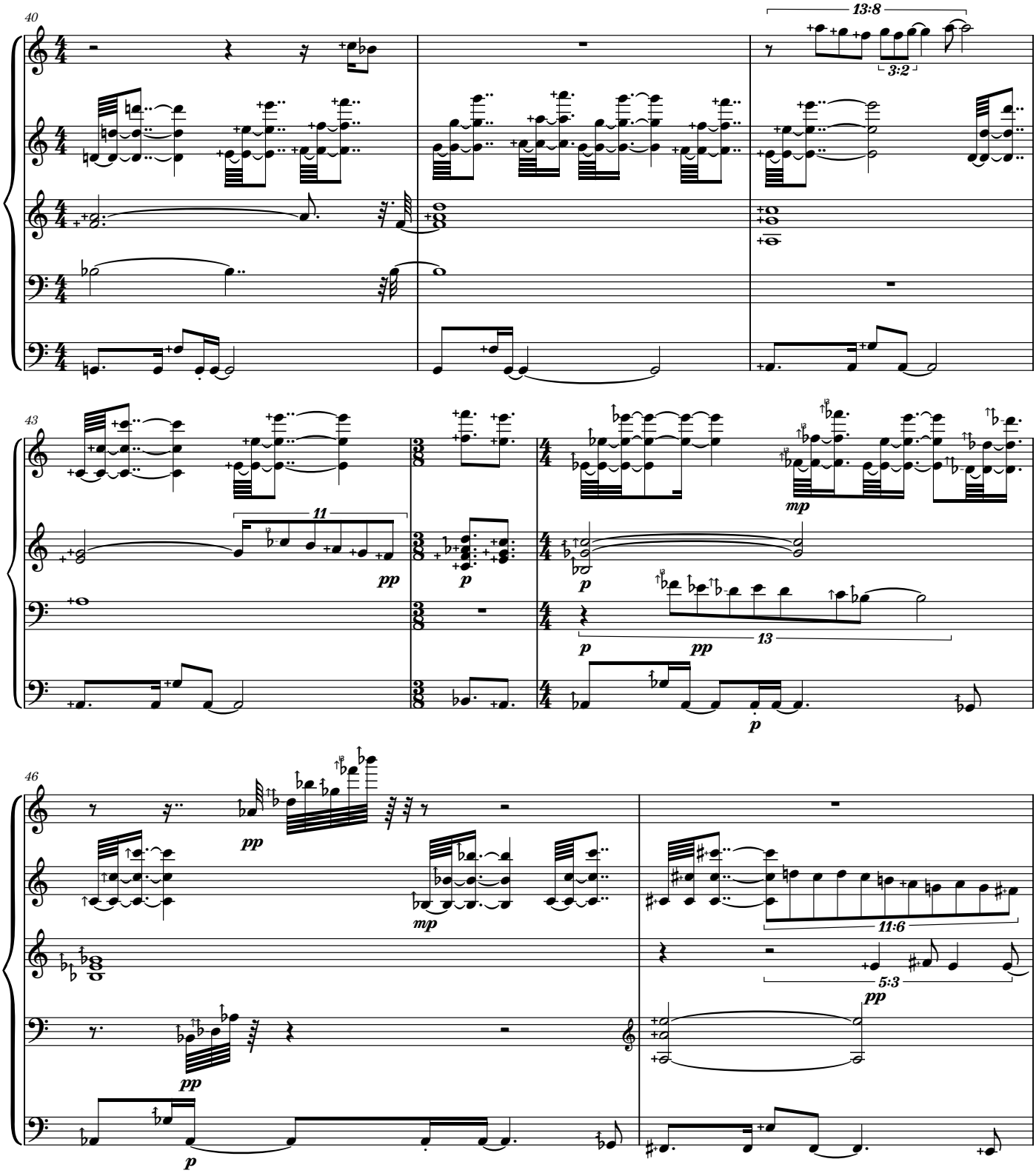

17
3:2
7:4
3:2
7:4
19
6:4
6:4
6:4
6:4
6:4
11:7
11:7
21
6:4
6:4
11:7
mp
mp
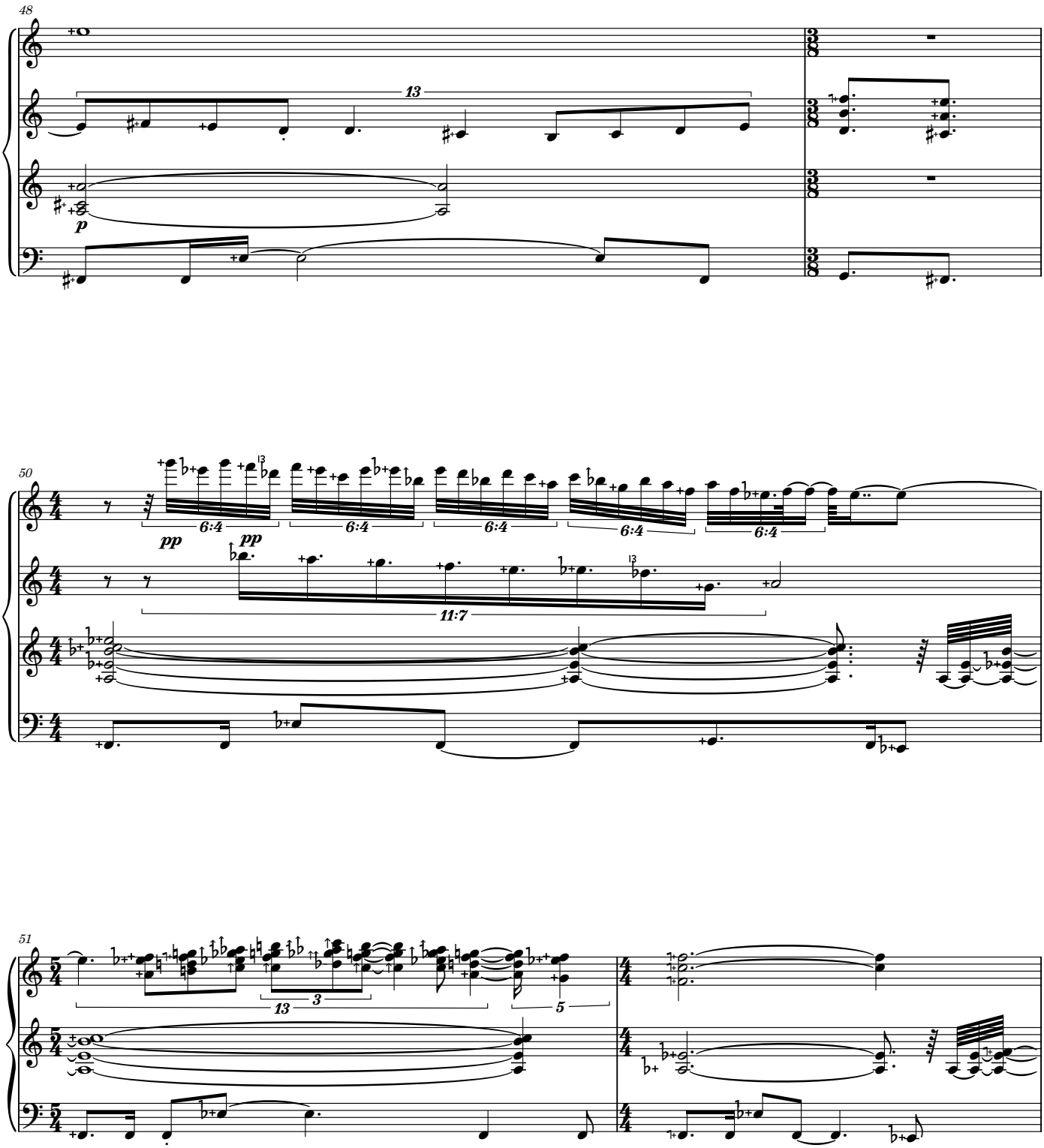

23
7:4
7:4
7
5
mf
5
5
mf
mf
mp
p
p
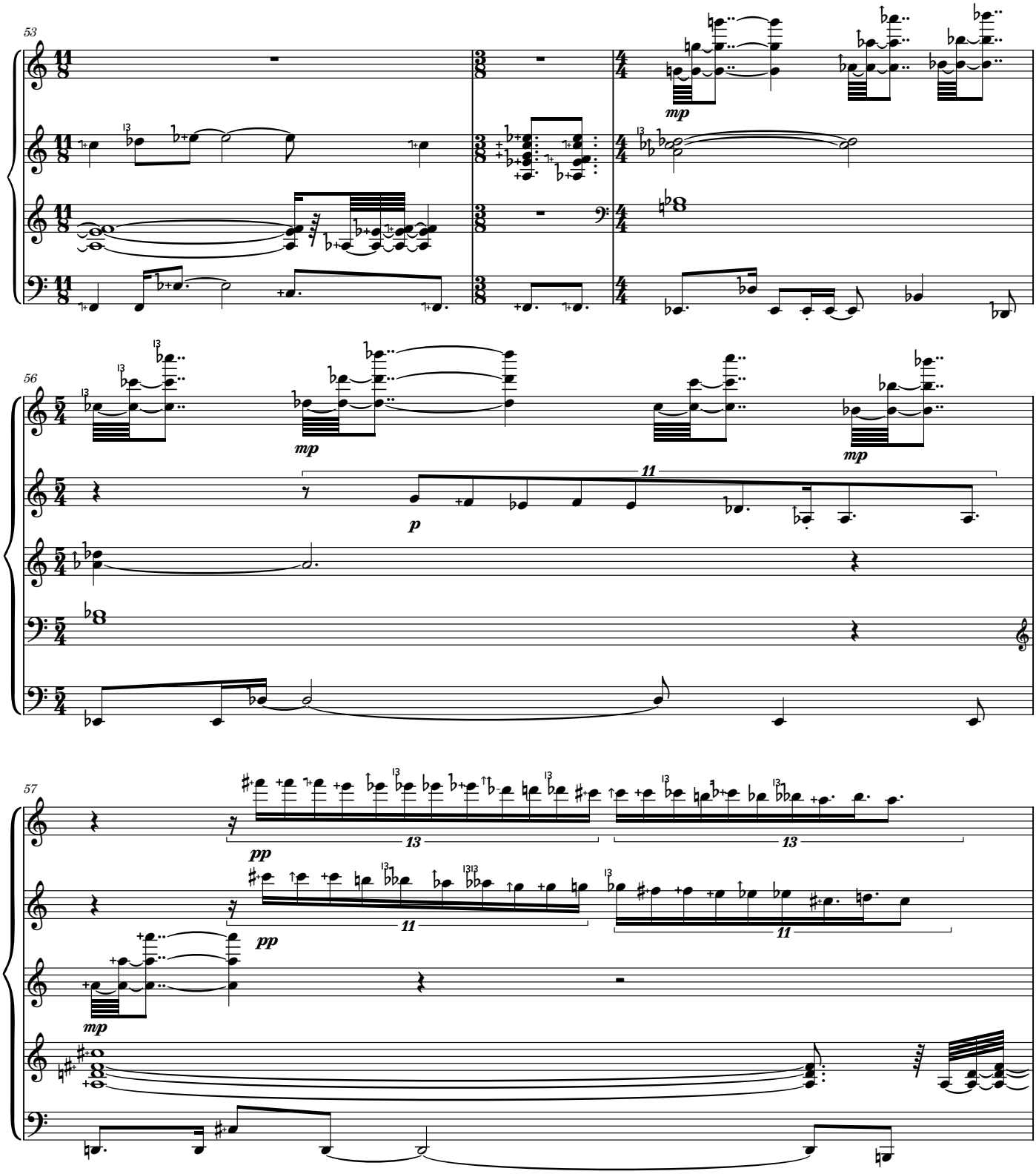

26
pp
mp
mp
pp
p
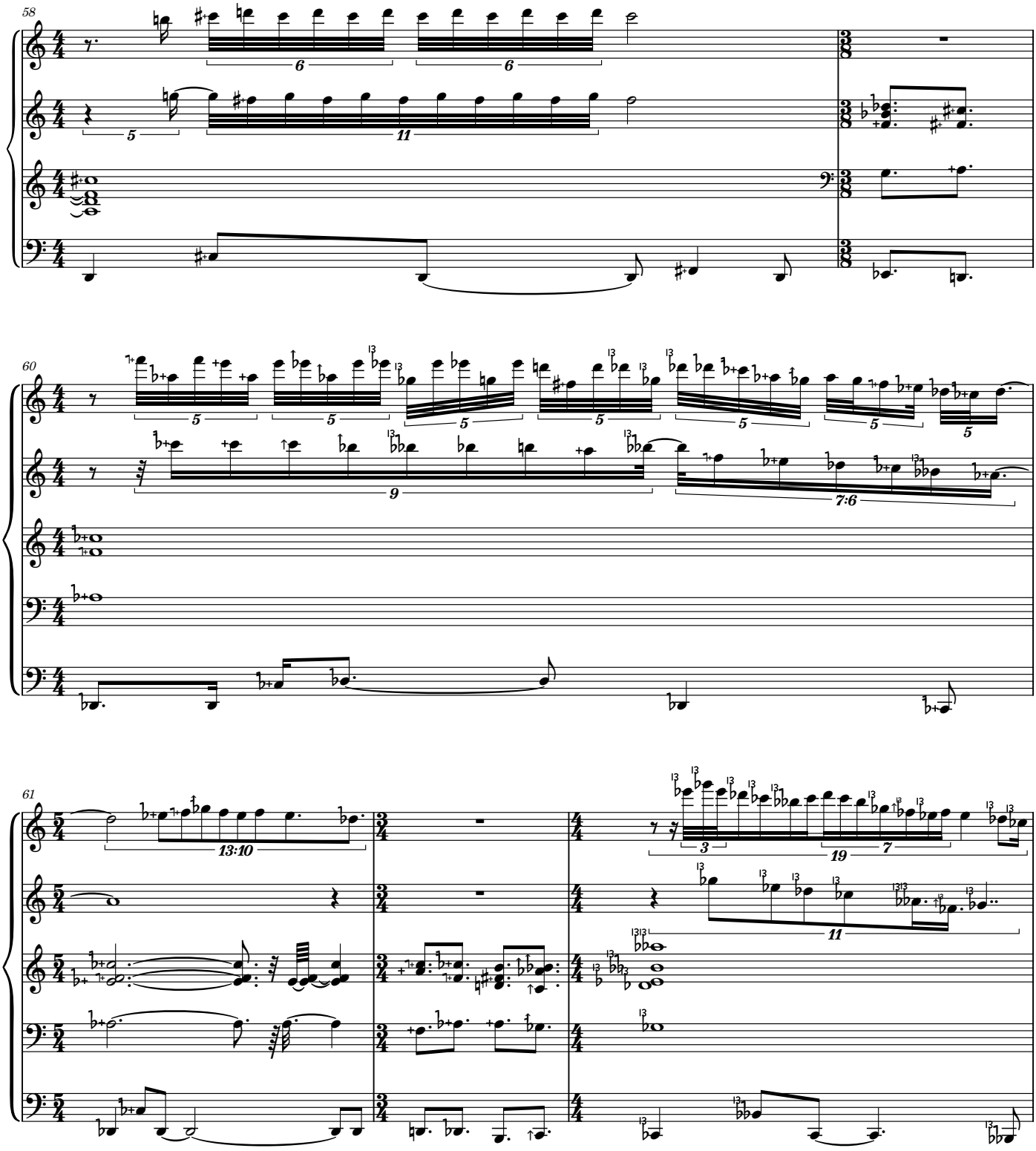

28
pp
6
6
pp
11:7
mp
30
7
9
pp
5
5
9
7
5
3
32
mp
5
6
7
5

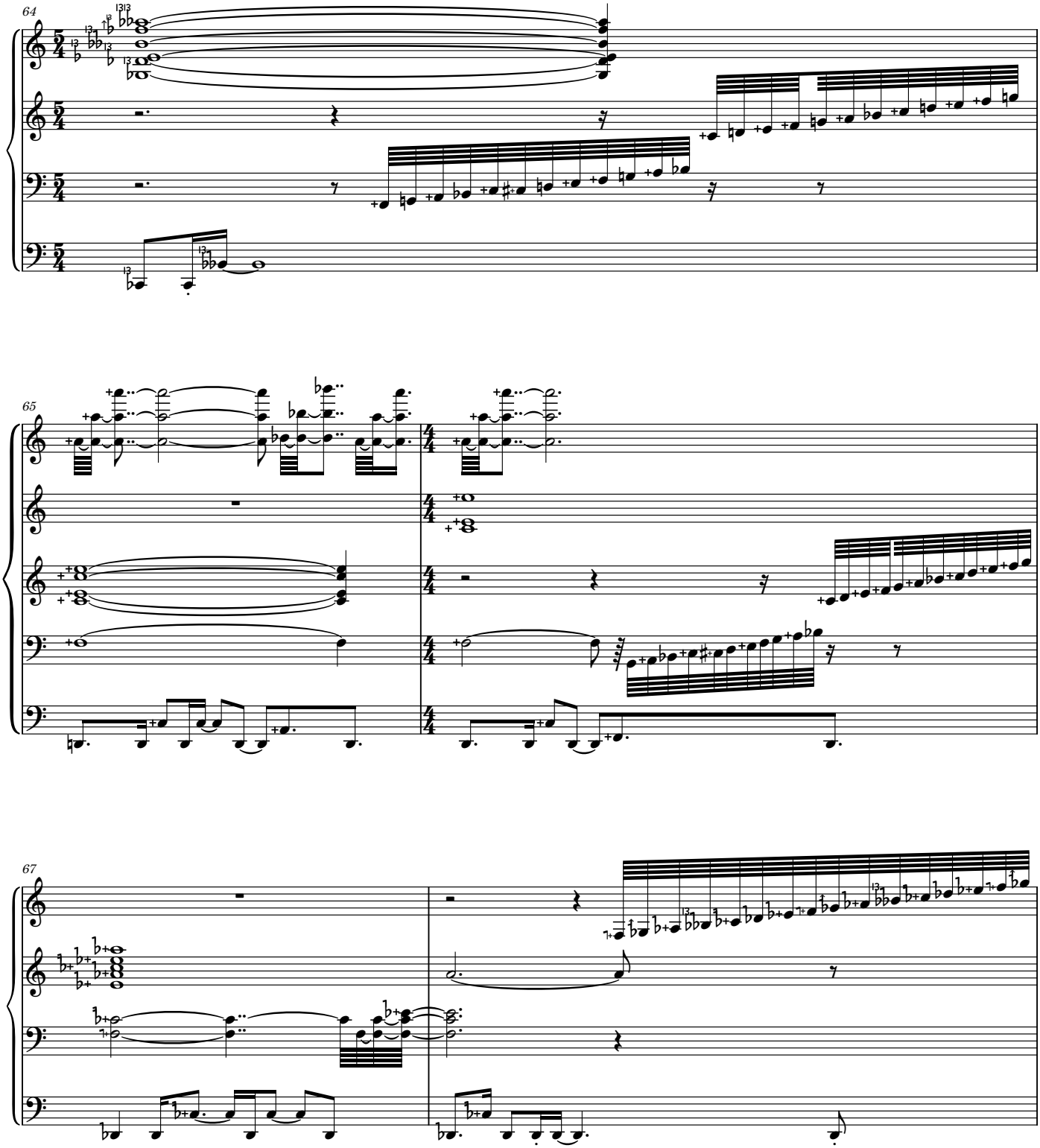

35
12:11
36
p
11
7
pp
mp
17:10
3:2
5:4
38

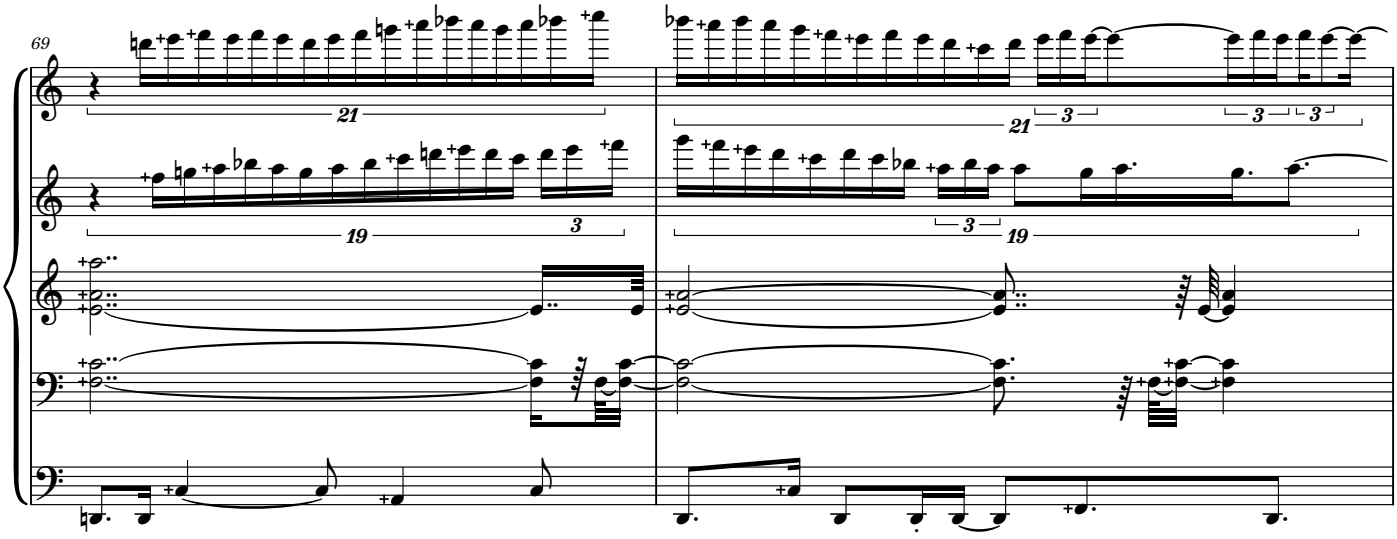

40
13:8
3:2
43
11
pp
p
mp
13
46
11:6
5:3

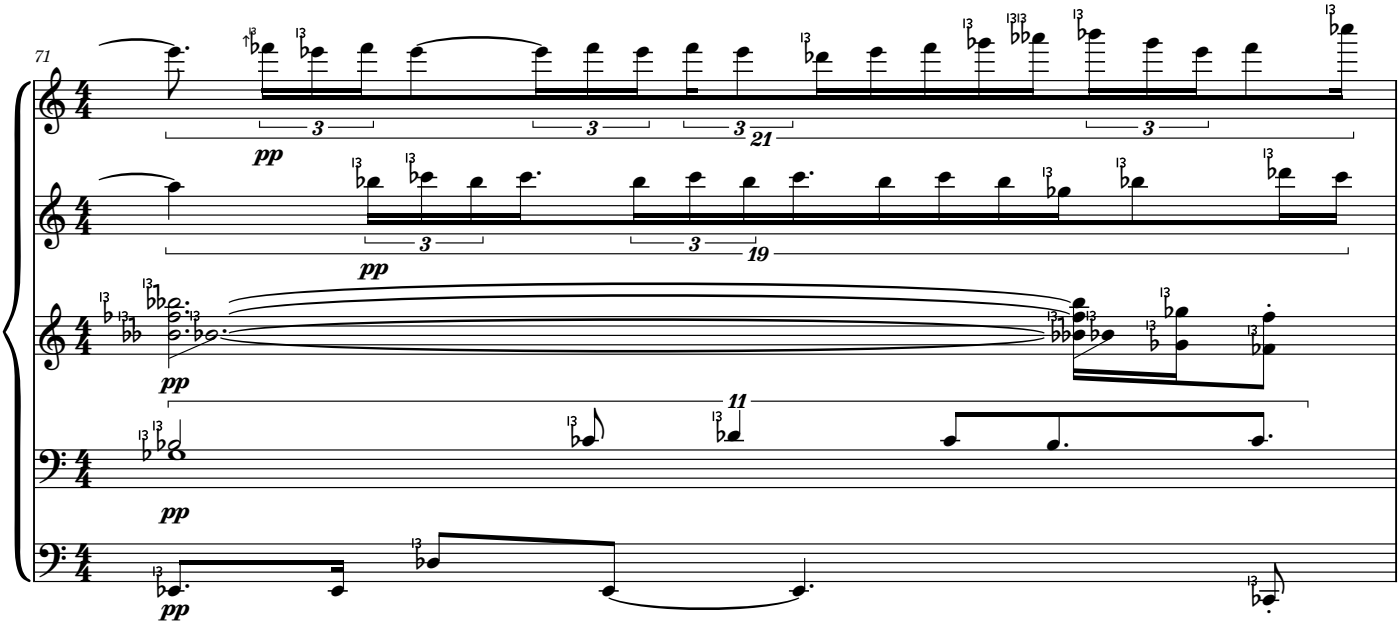

48
13
p
50
6:4
pp
6:4
pp
6:4
6:4
6:4
11:7
51
13
3
5

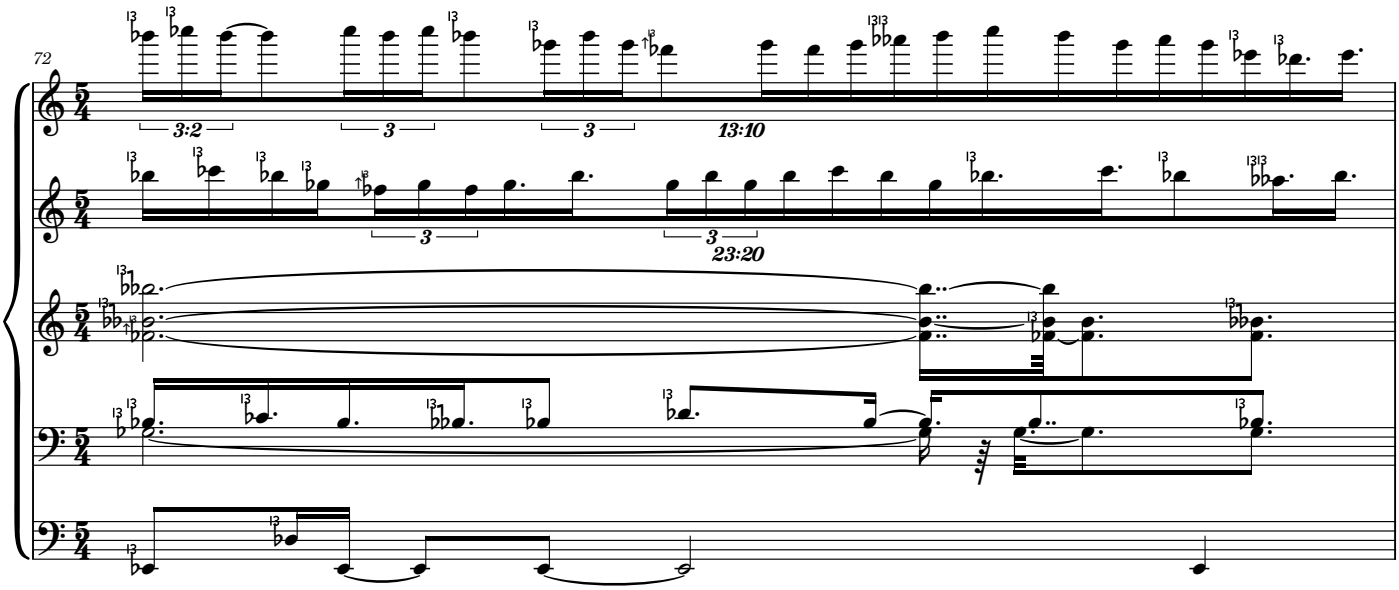

53
mp
56
mp
mp
11
p
57
pp
13
13
pp
11
11
mp

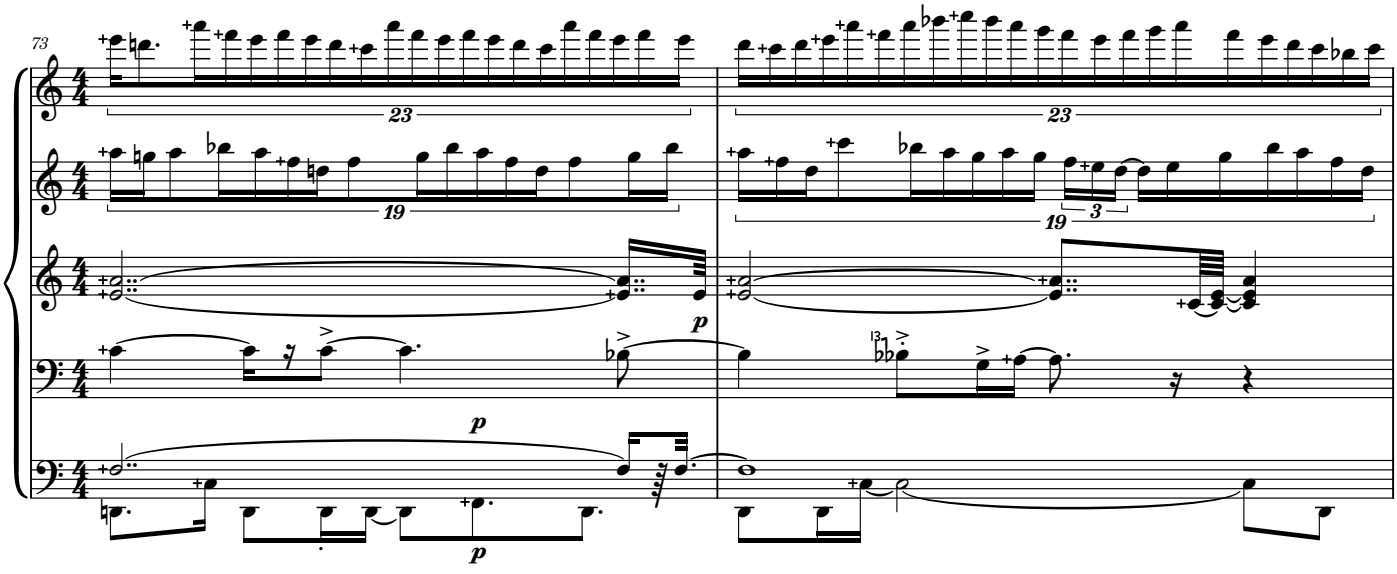

58
60
61
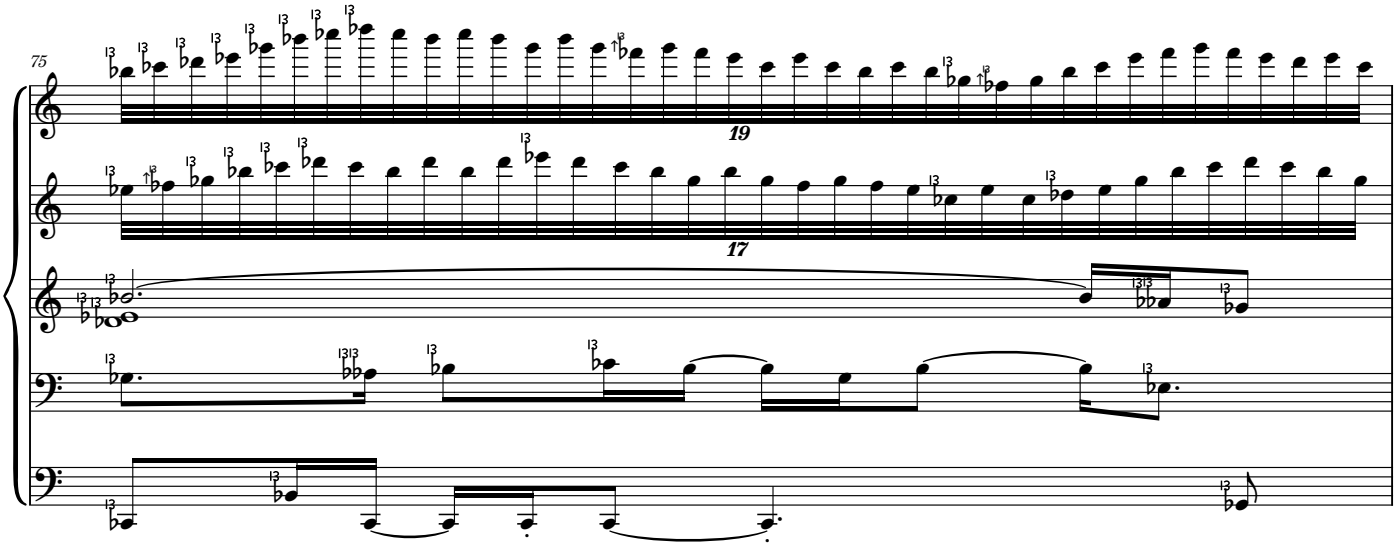

64
65
67

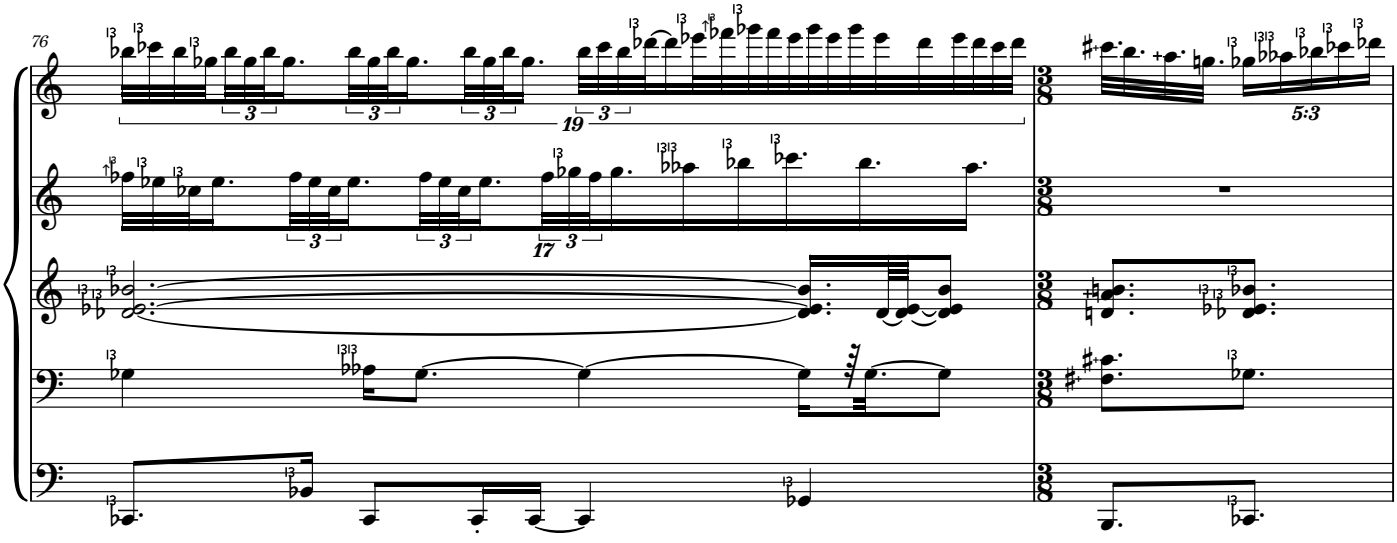

69
21
19
3
21
3
3
3
19
3

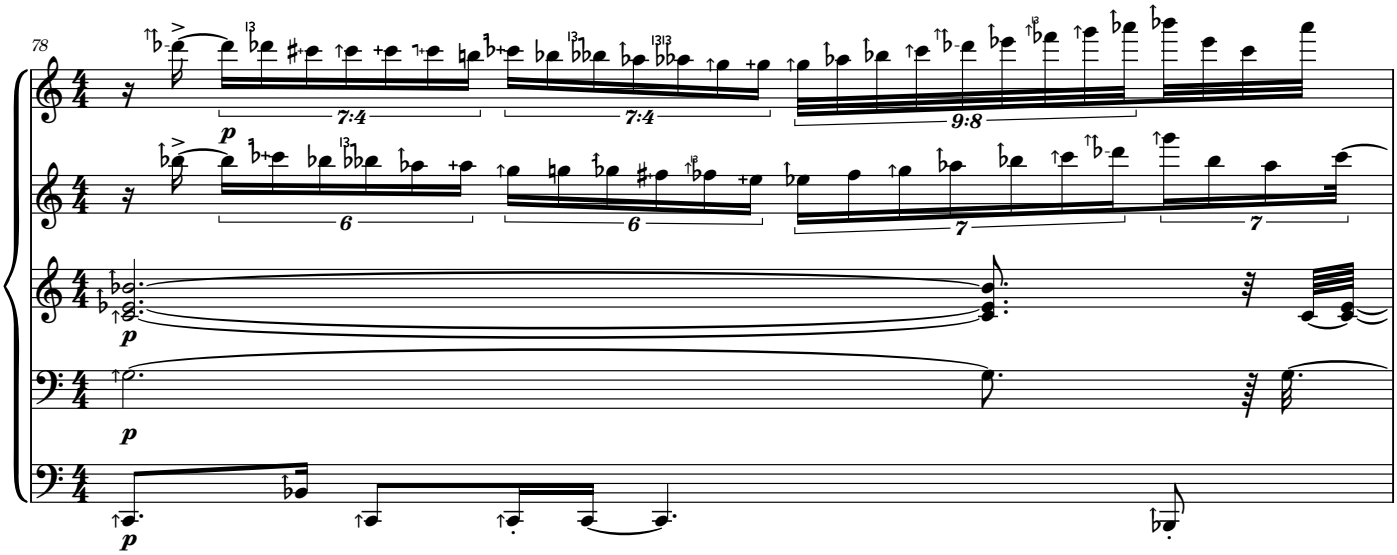

71
pp
3
21
19
11

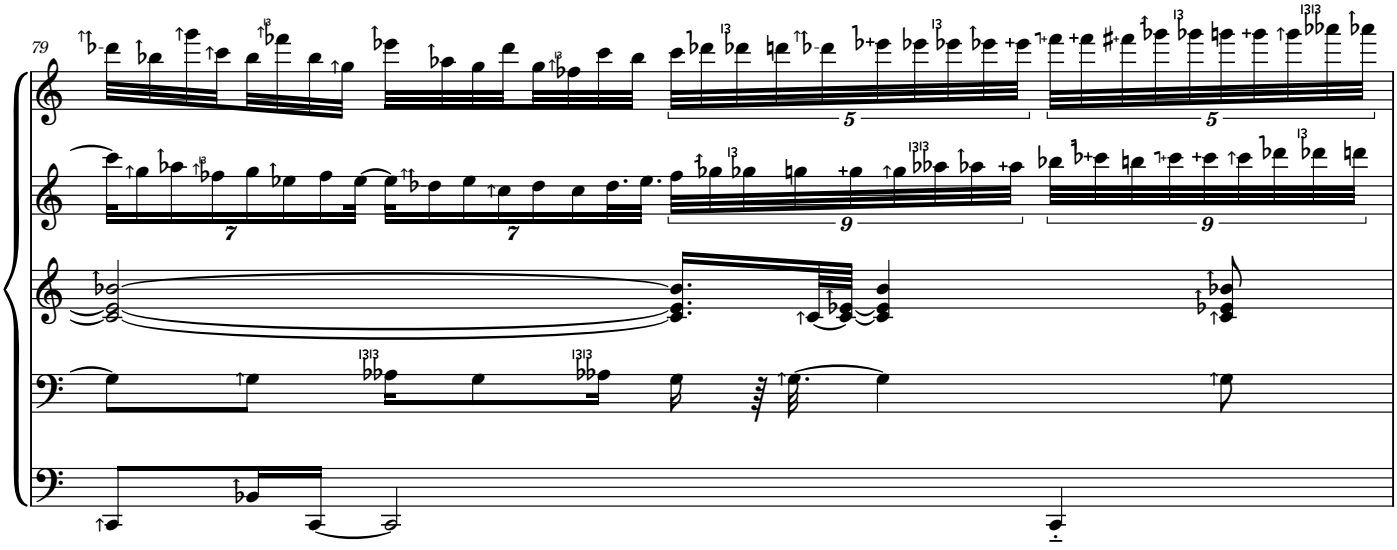

72
3:2
3
3
13:10
3
3
23:20
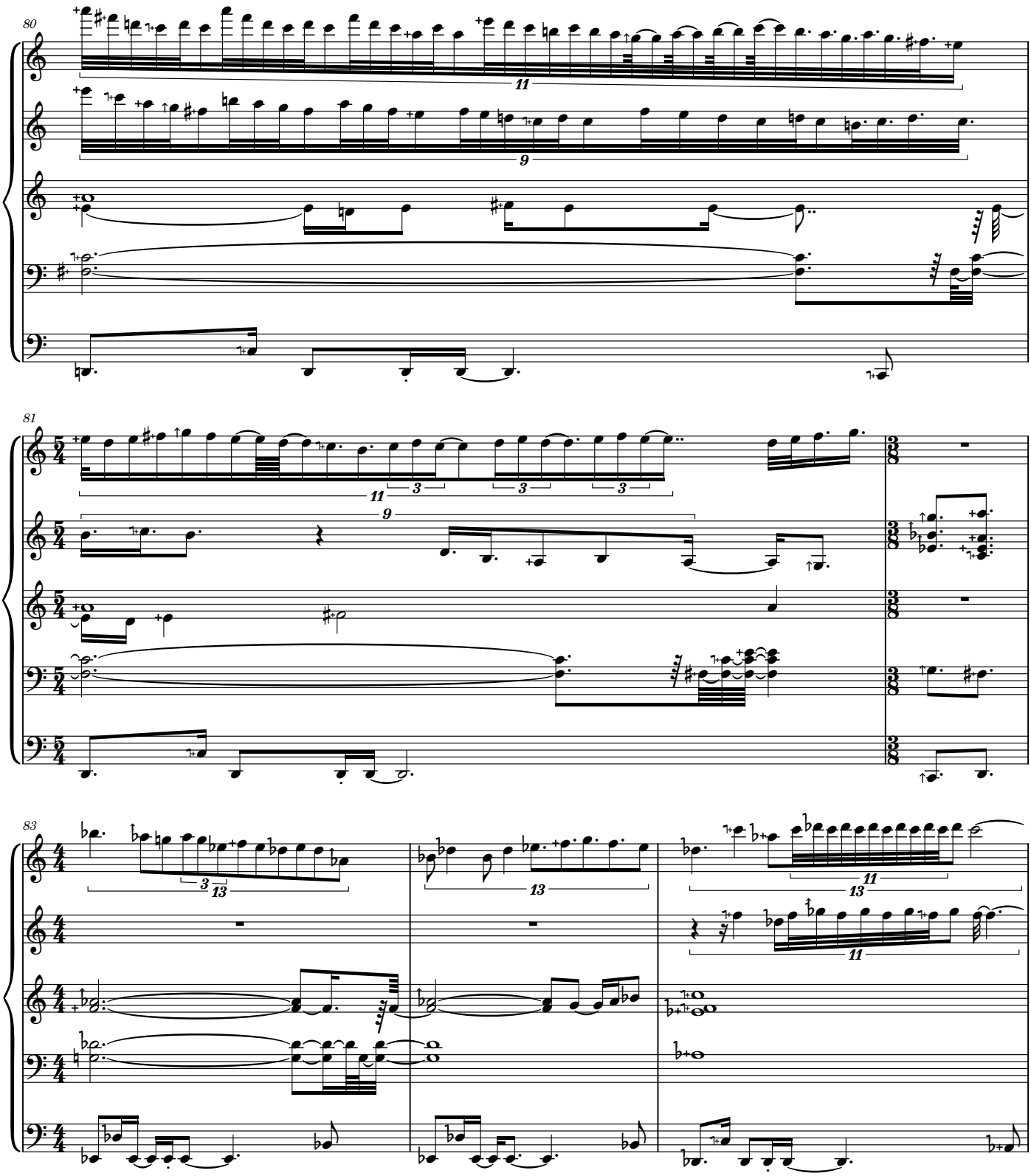

73
23
23
19
19
3
p
p
p
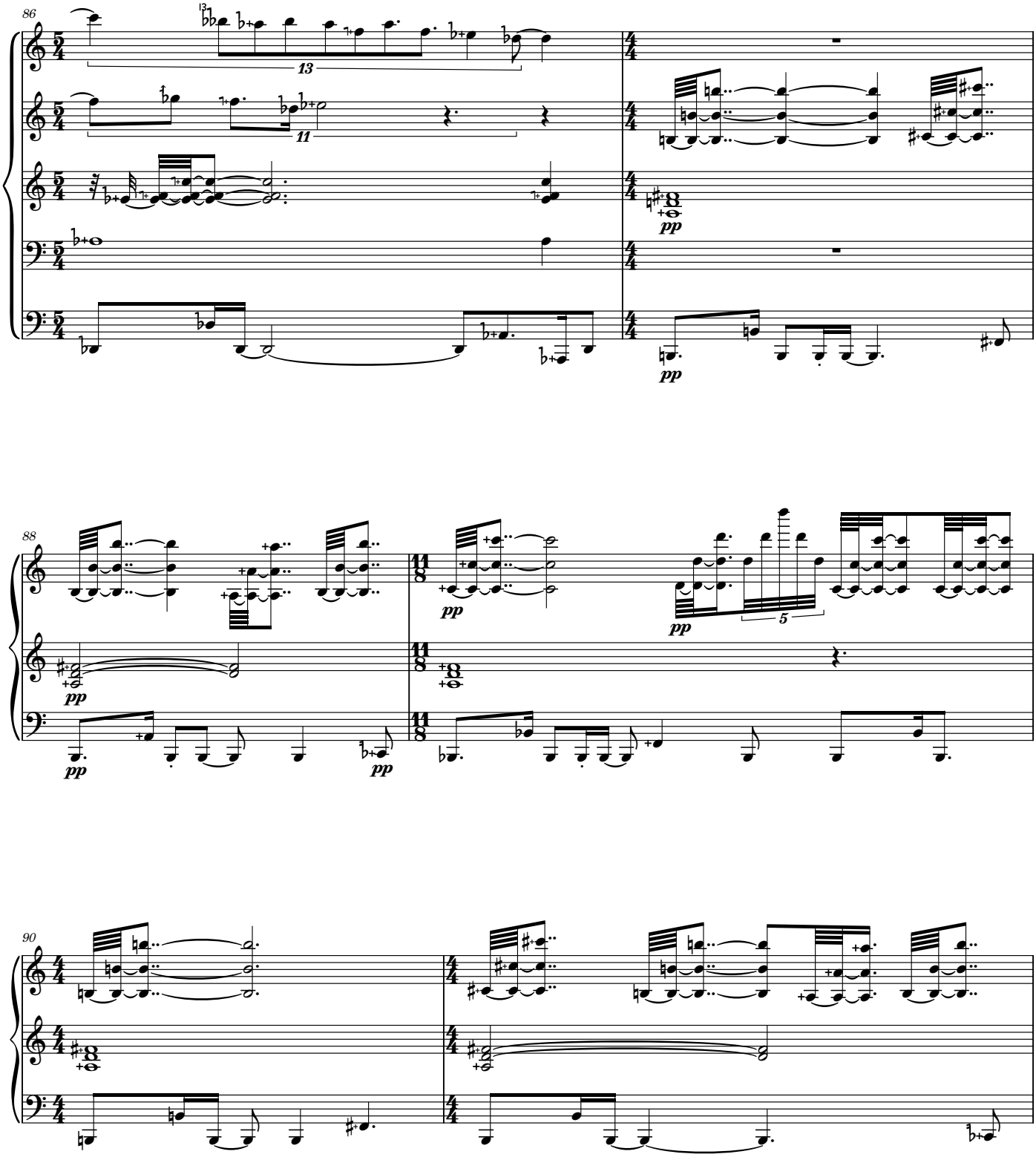

75
19
17
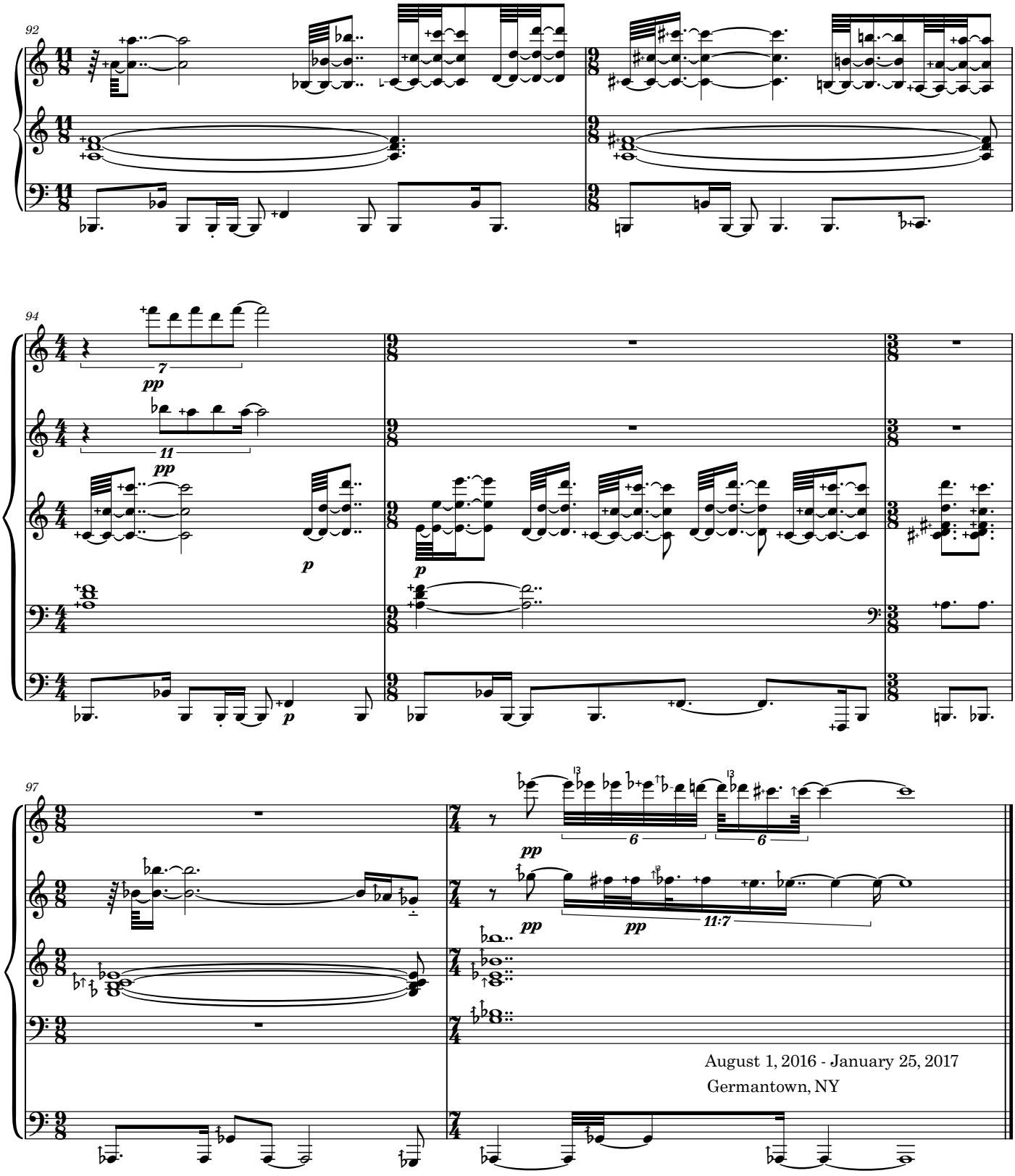

76
19
3
17
5:3


78
7:4
7:4
9:8
6
6
7
7
p
p
p


79
5
5
7
7
9
9
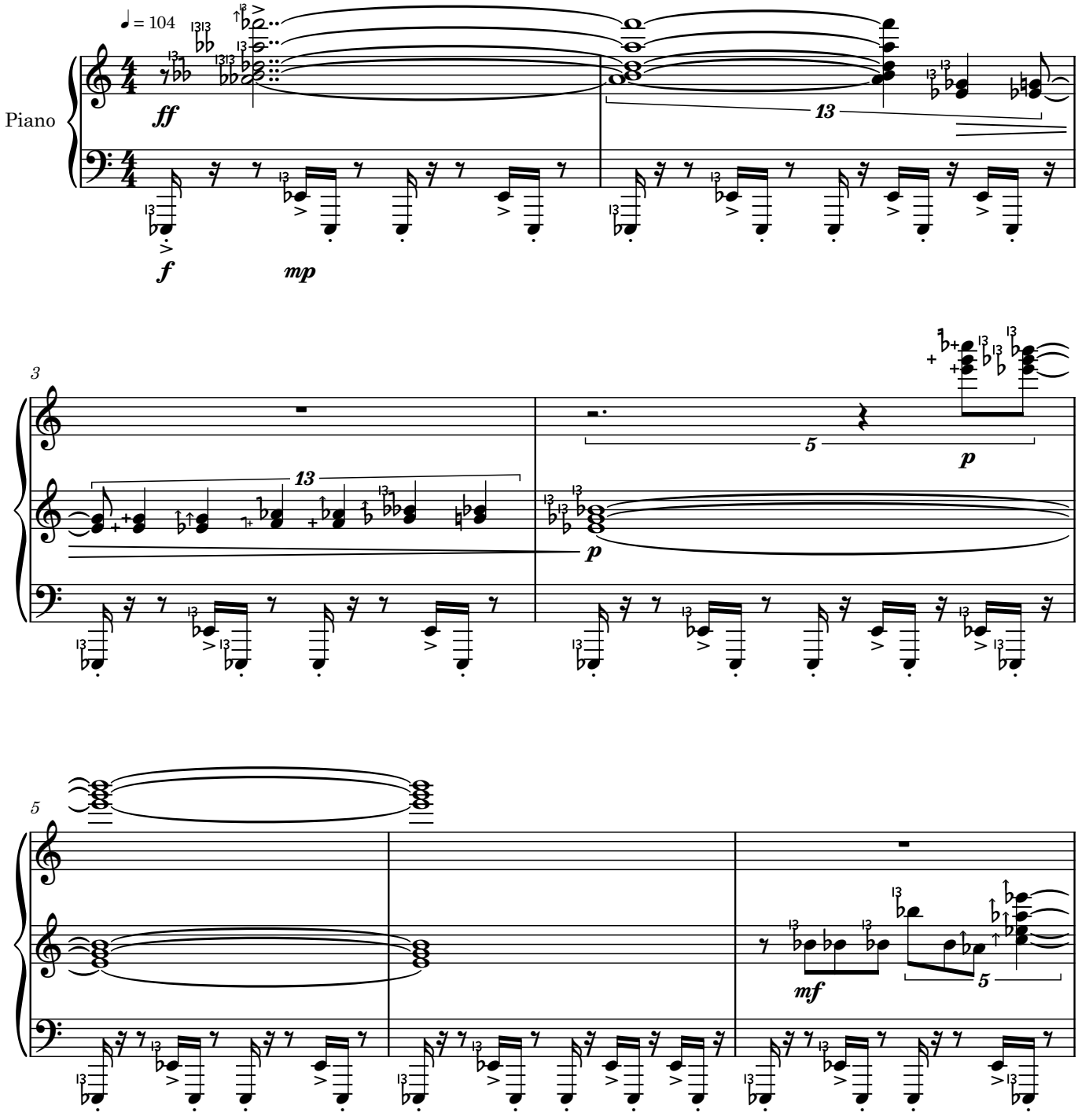

80
11
9
81
11
3
3
3
9
83
3
13
13
11
13
11


86
13
11
pp
88
pp
5
90
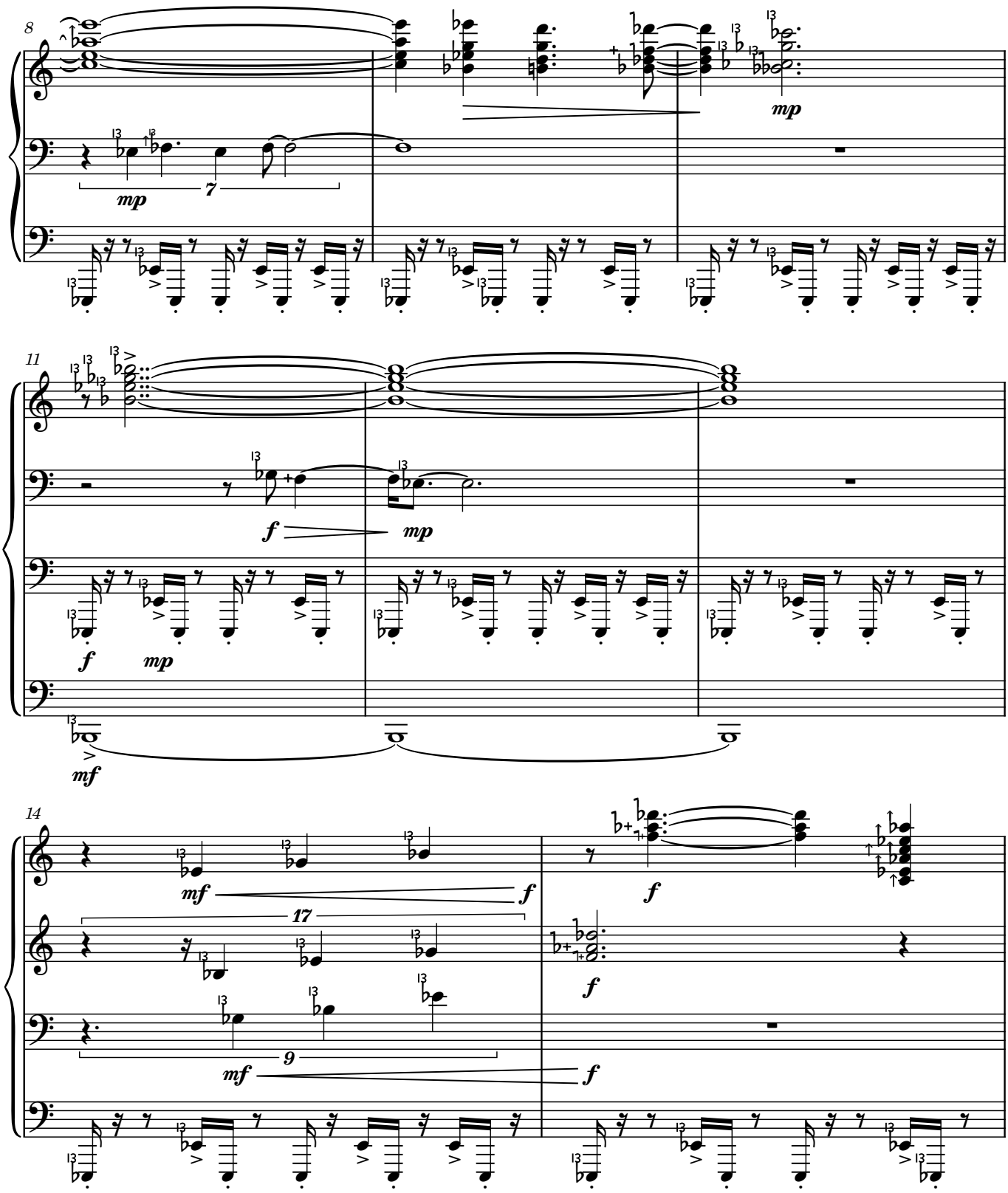

92
94
97
pp
p
11:7
August 1, 2016 - January 25, 2017
Germantown, NY
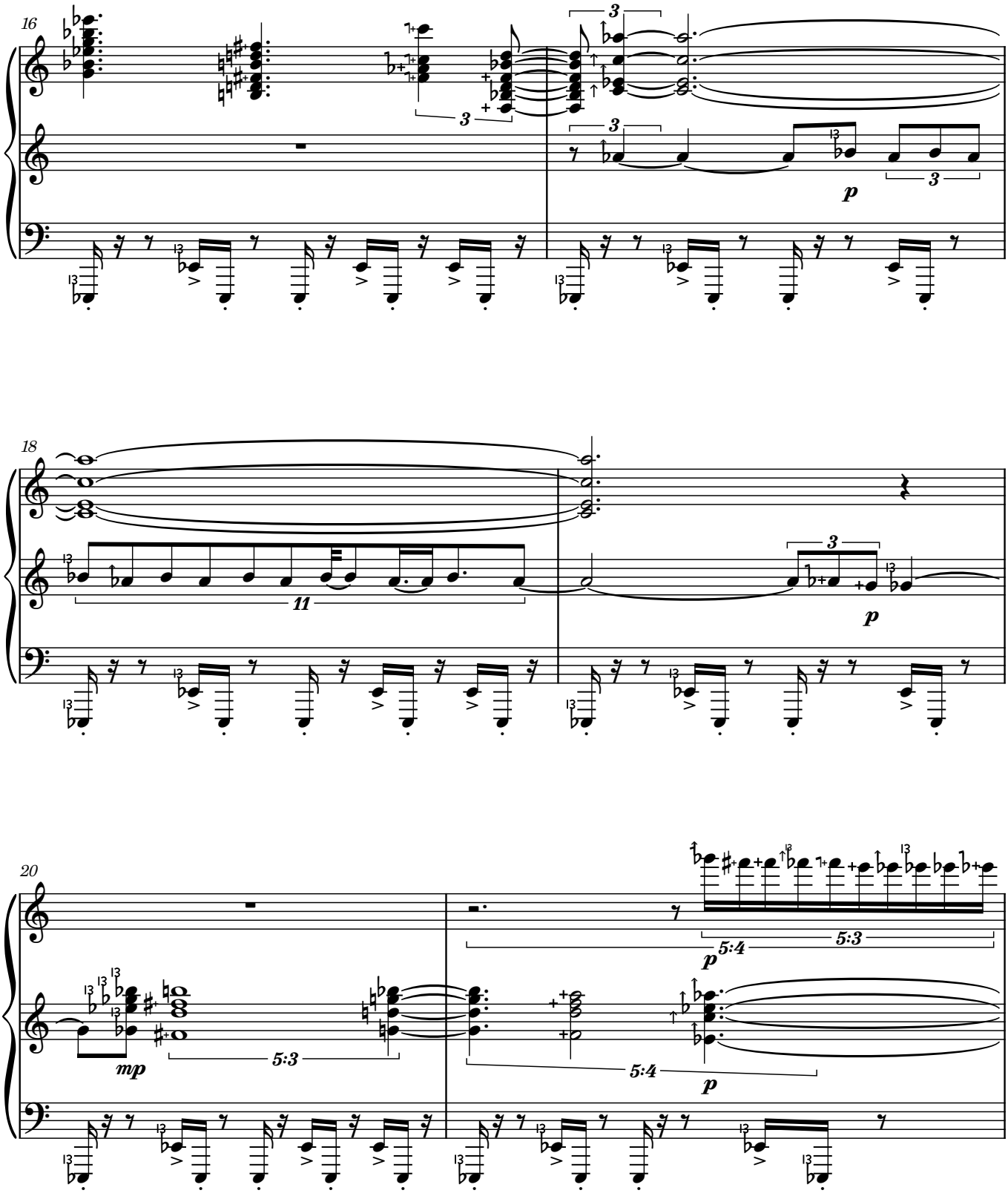
Futility Row
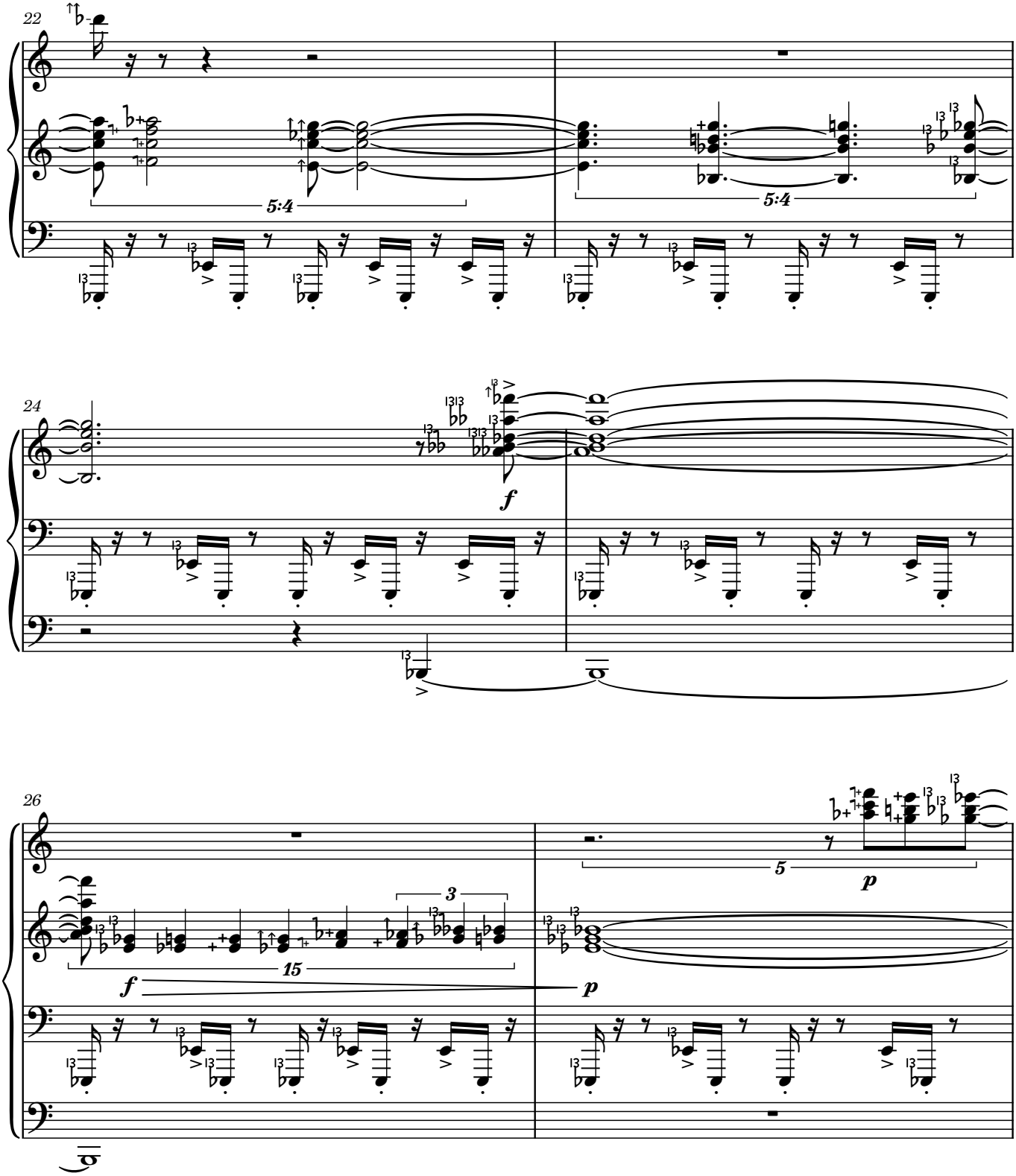
Kyle Gann
2015

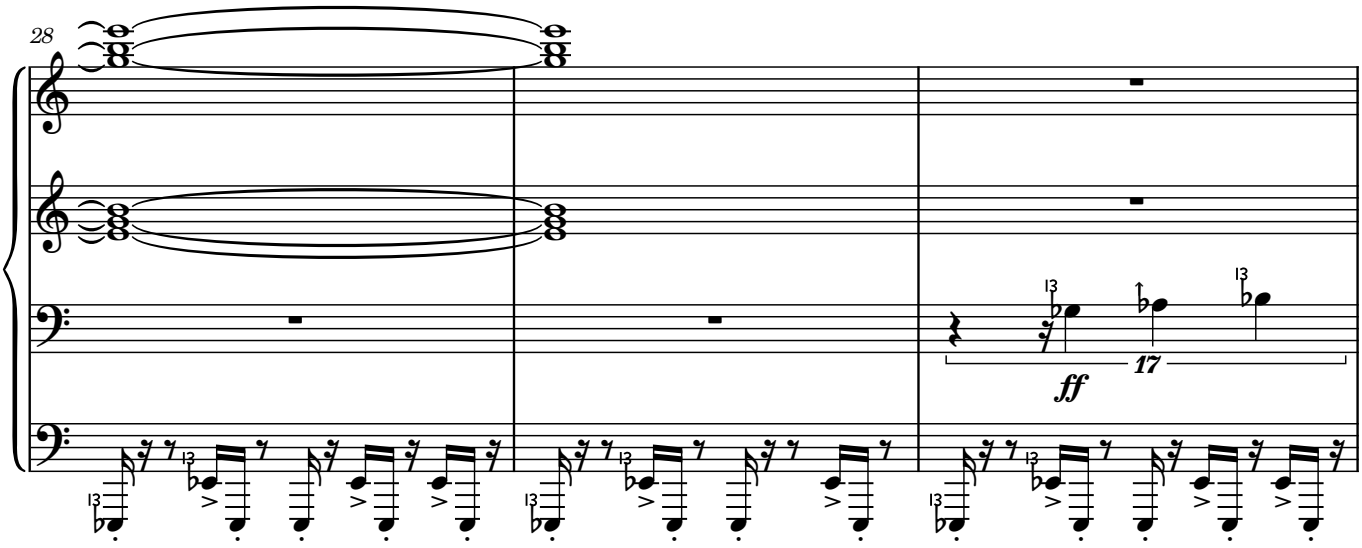


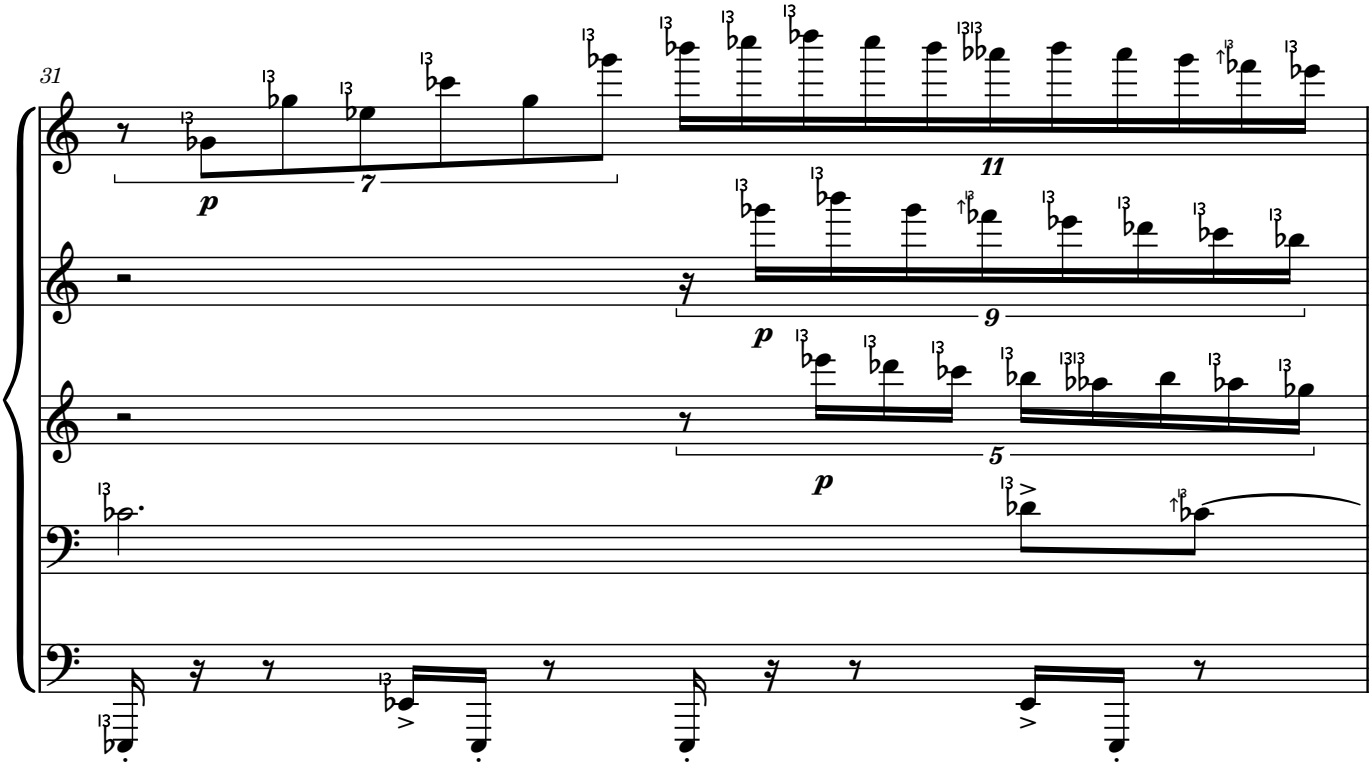
© 2015 Smith Grabholz Music
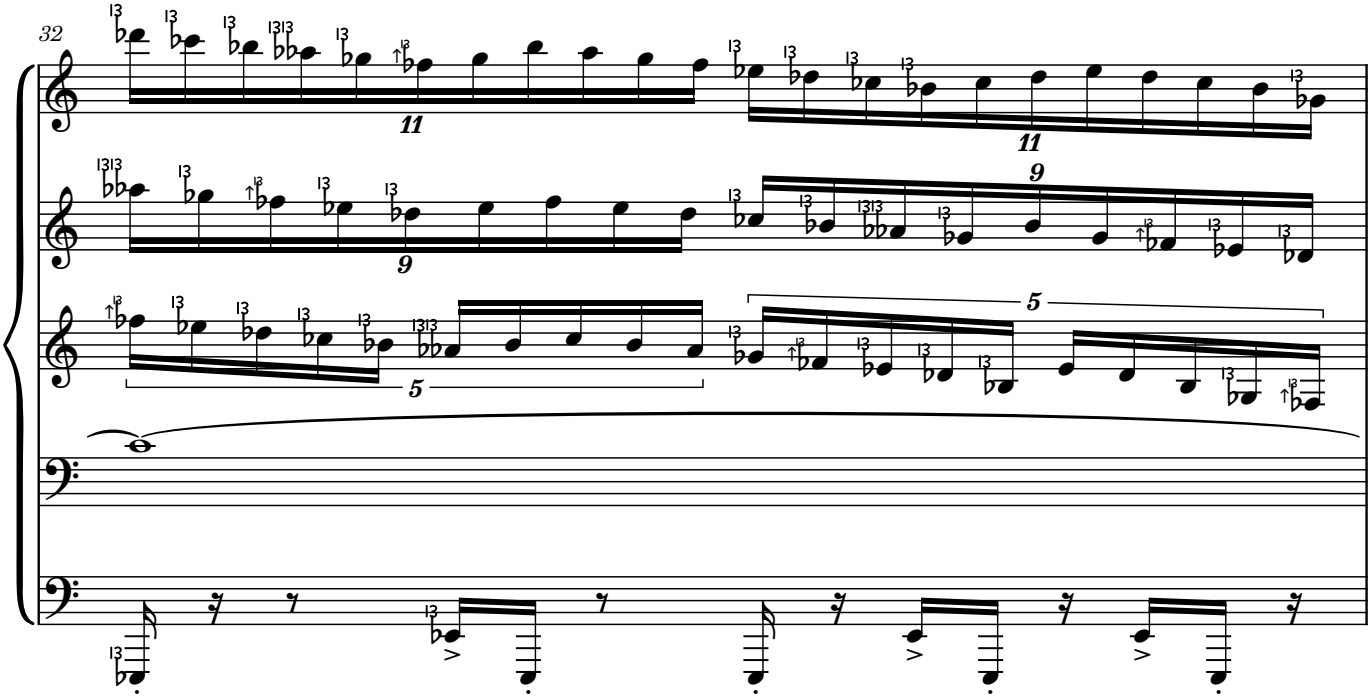

8
mp
7
mp
11
f
mp
f
mp
mf
14
mf
f
17
f
f
9
mf
f
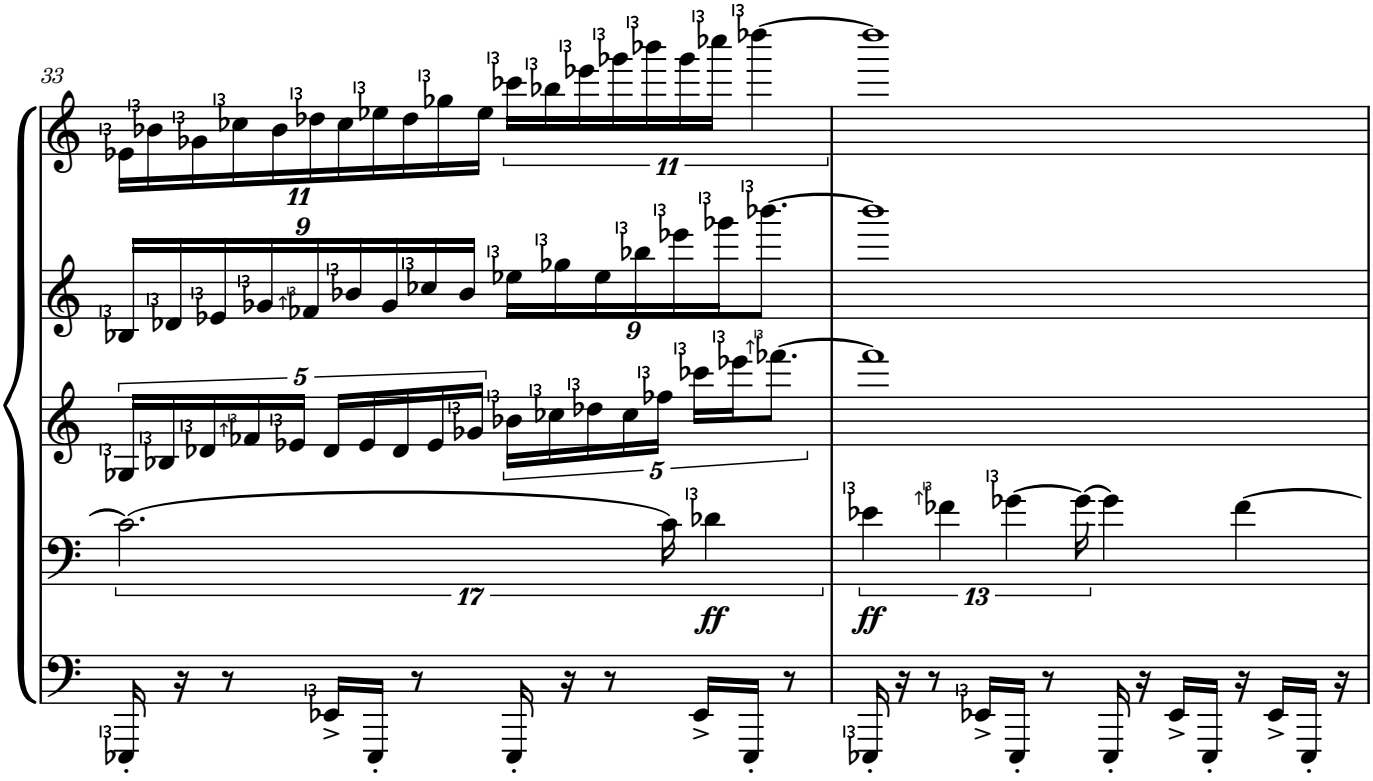

16
3
3
3
3
p
18
11
3
p
20
mp
5:3
5:4
5:3
p
5:4
p
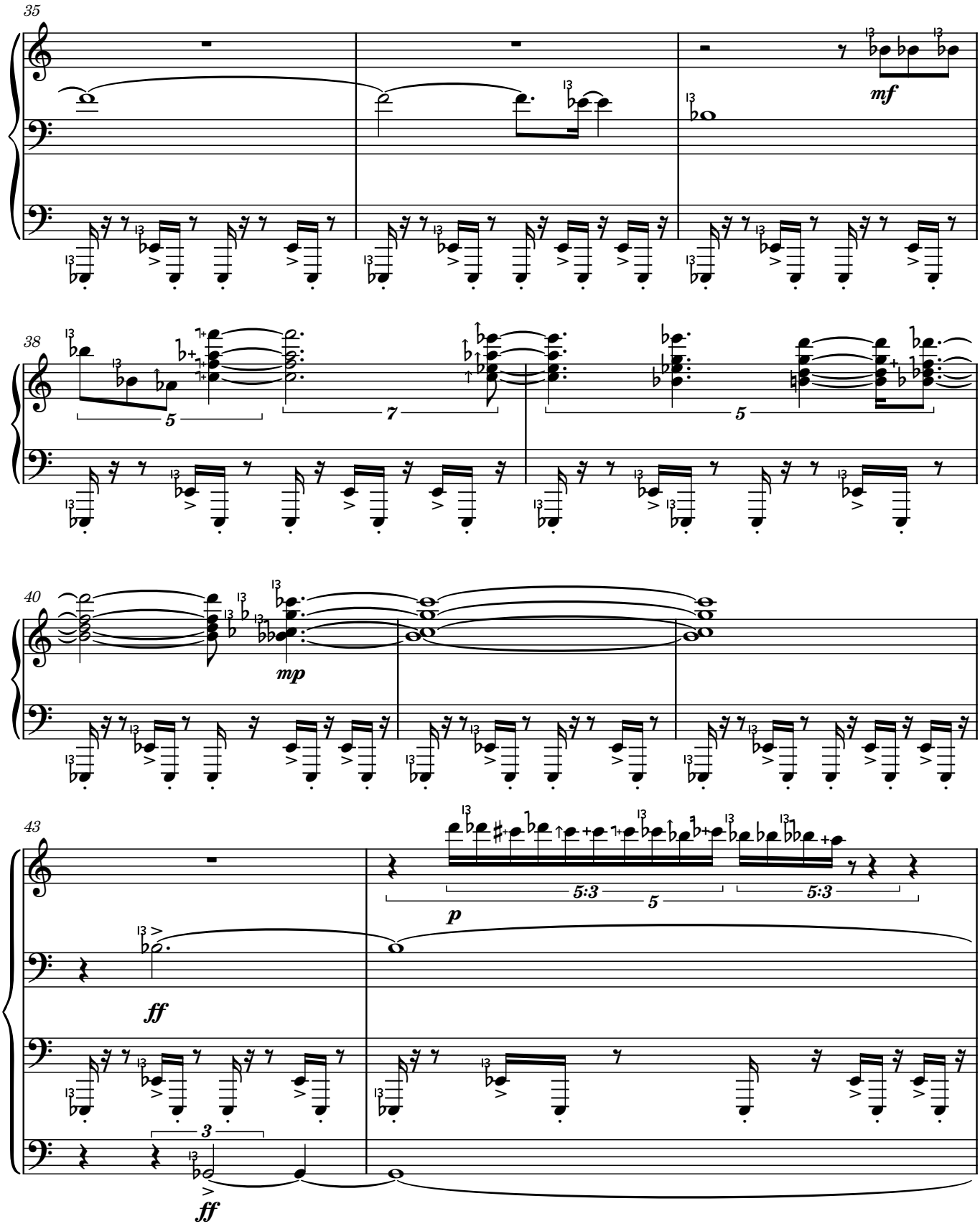

22
5:4
5:4
24
f
26
3
15
f
5
p
p
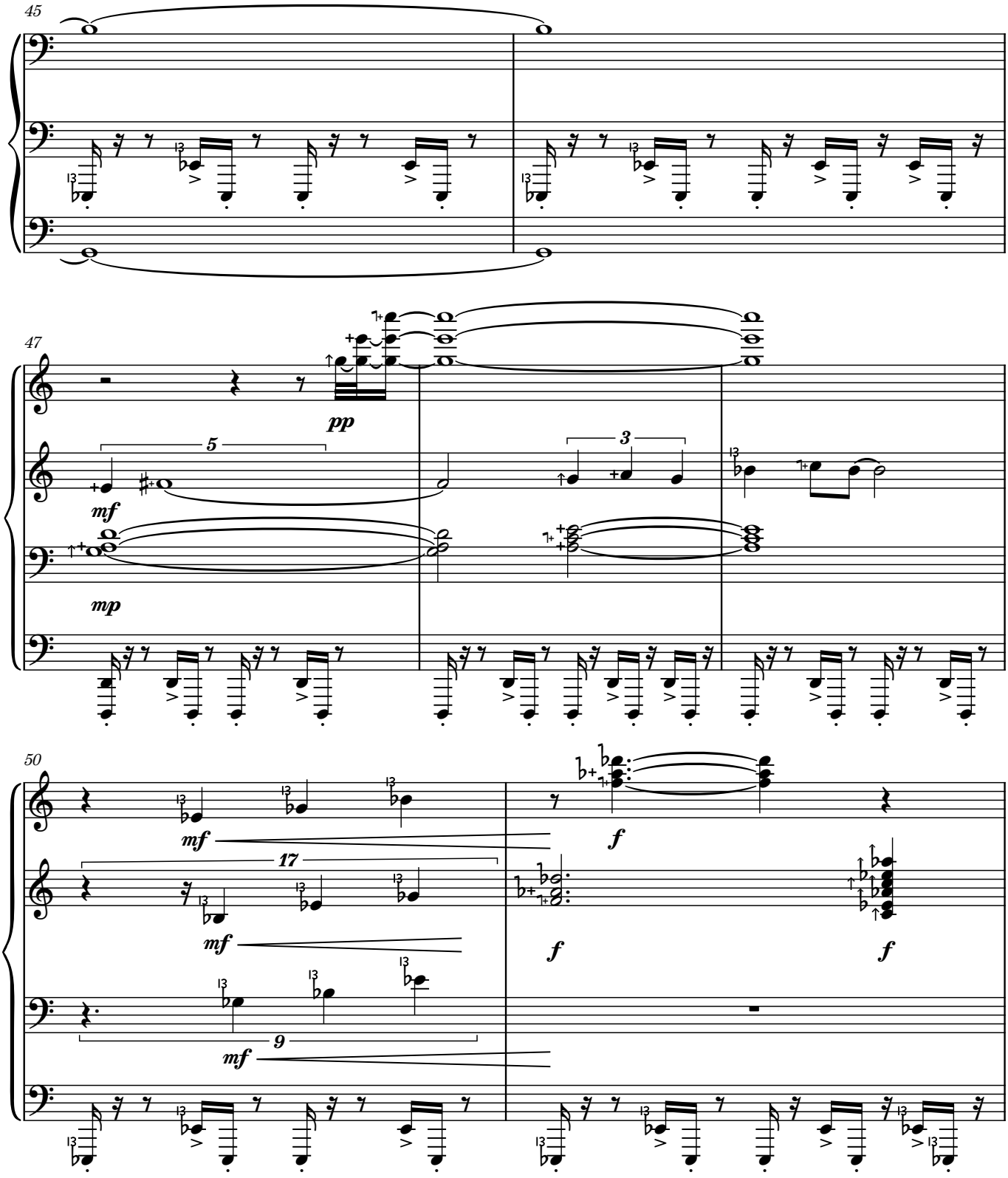

28
ff
17
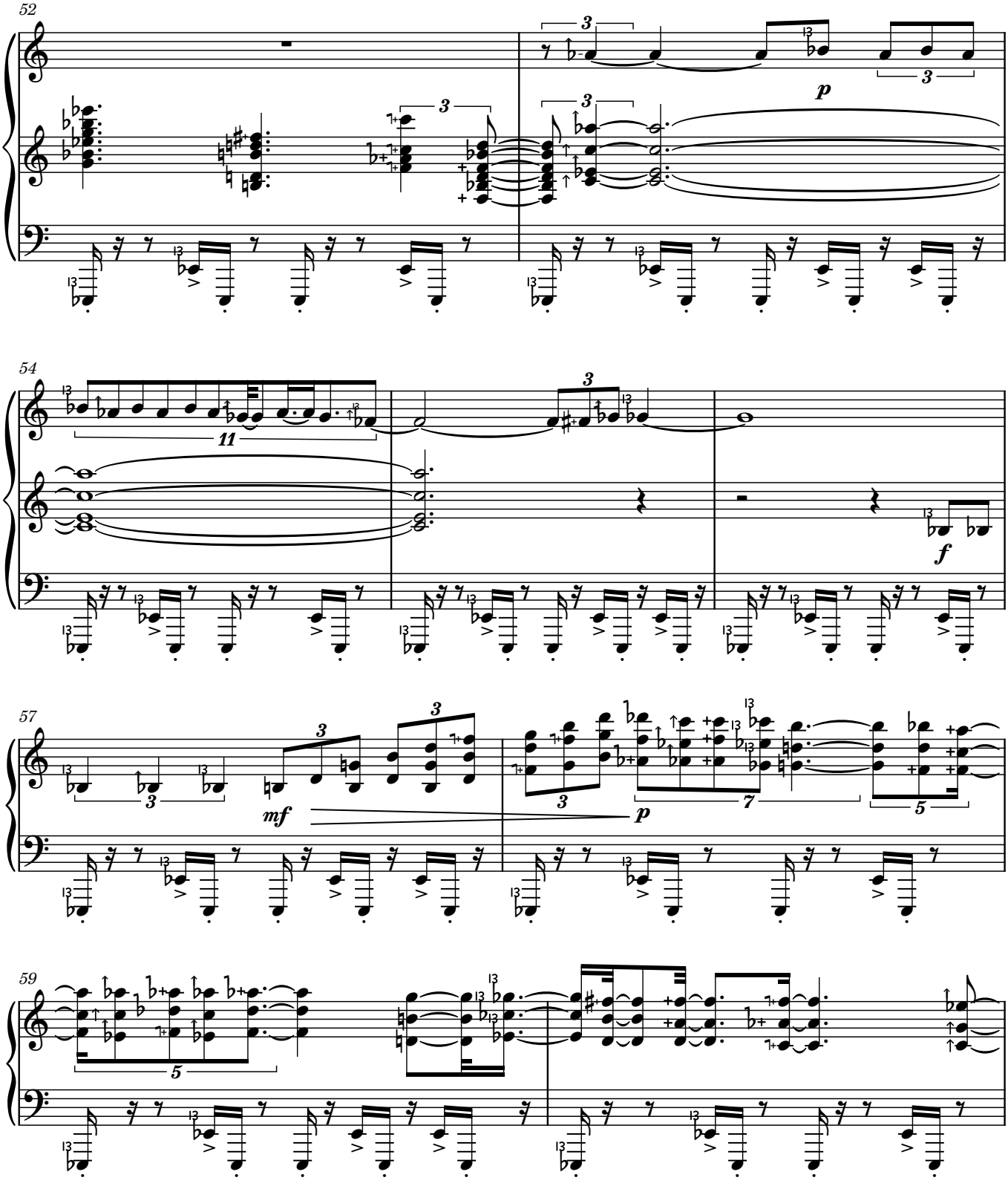

31
p
7
11
p
9
p
5
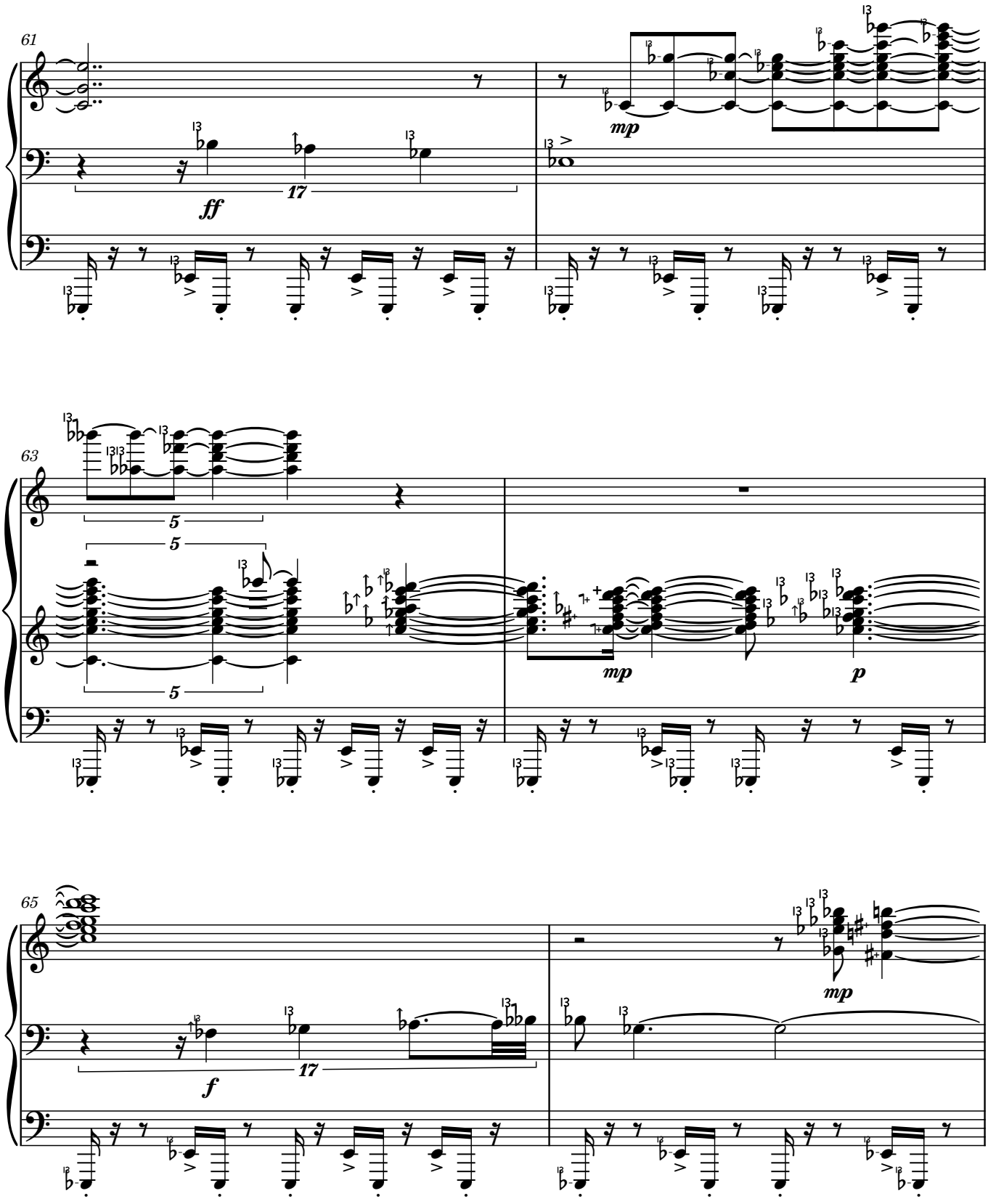

32
11
11
9
9
5
5
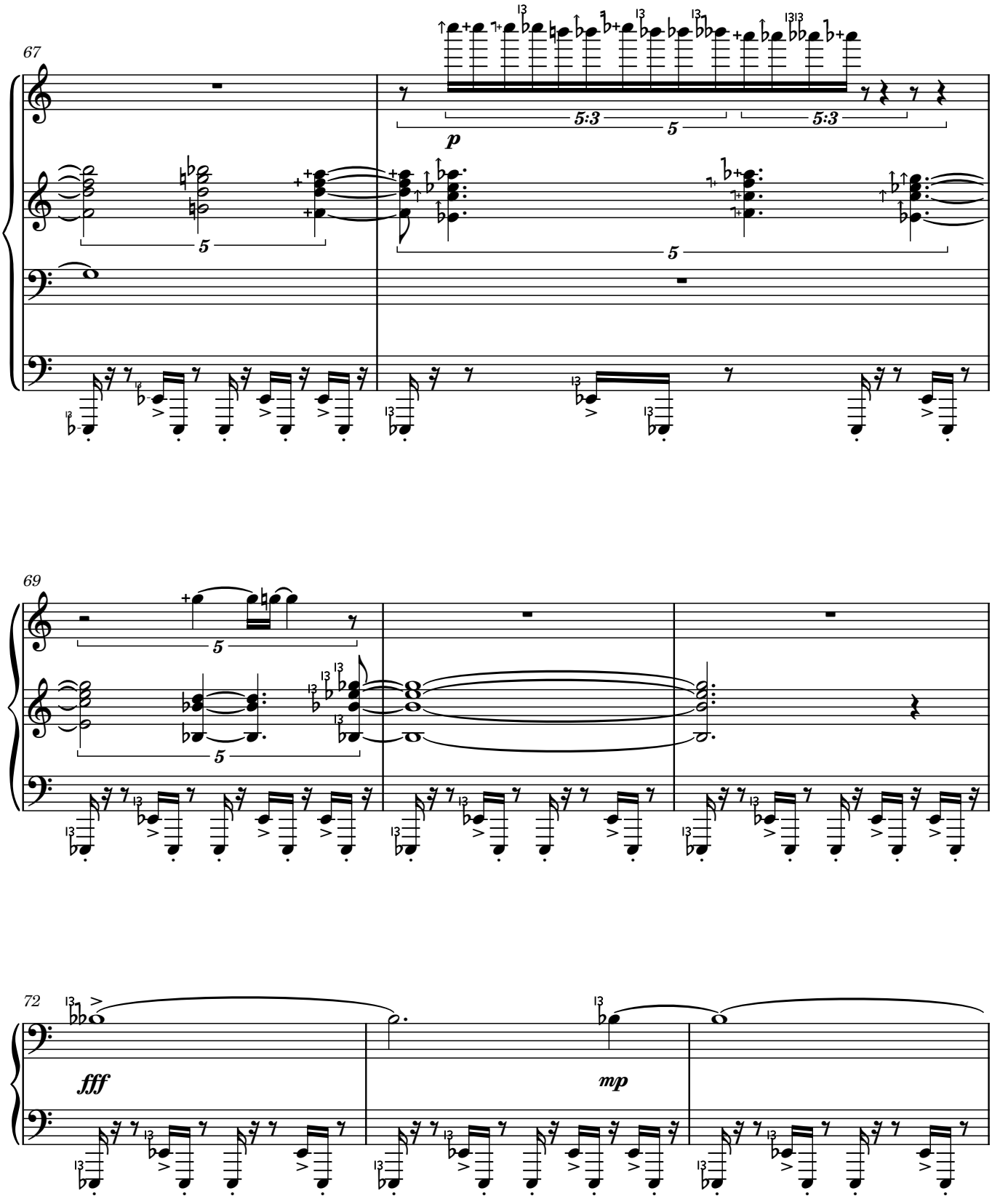

33
11
11
9
9
5
5
17
ff
13
ff
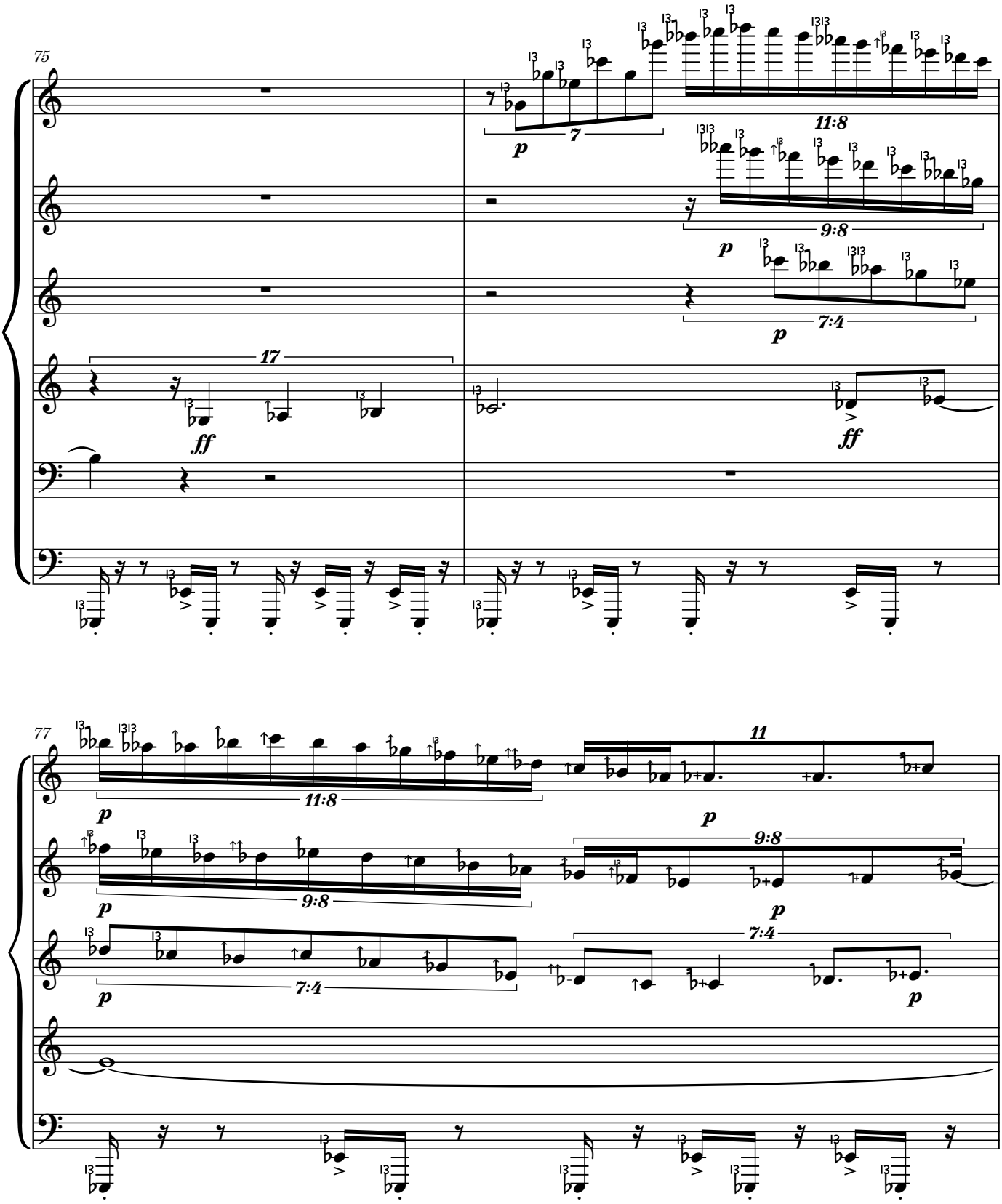

35
mf
38
5
7
5
40
mp
43
5:3
5
5:3
p
ff
3
ff
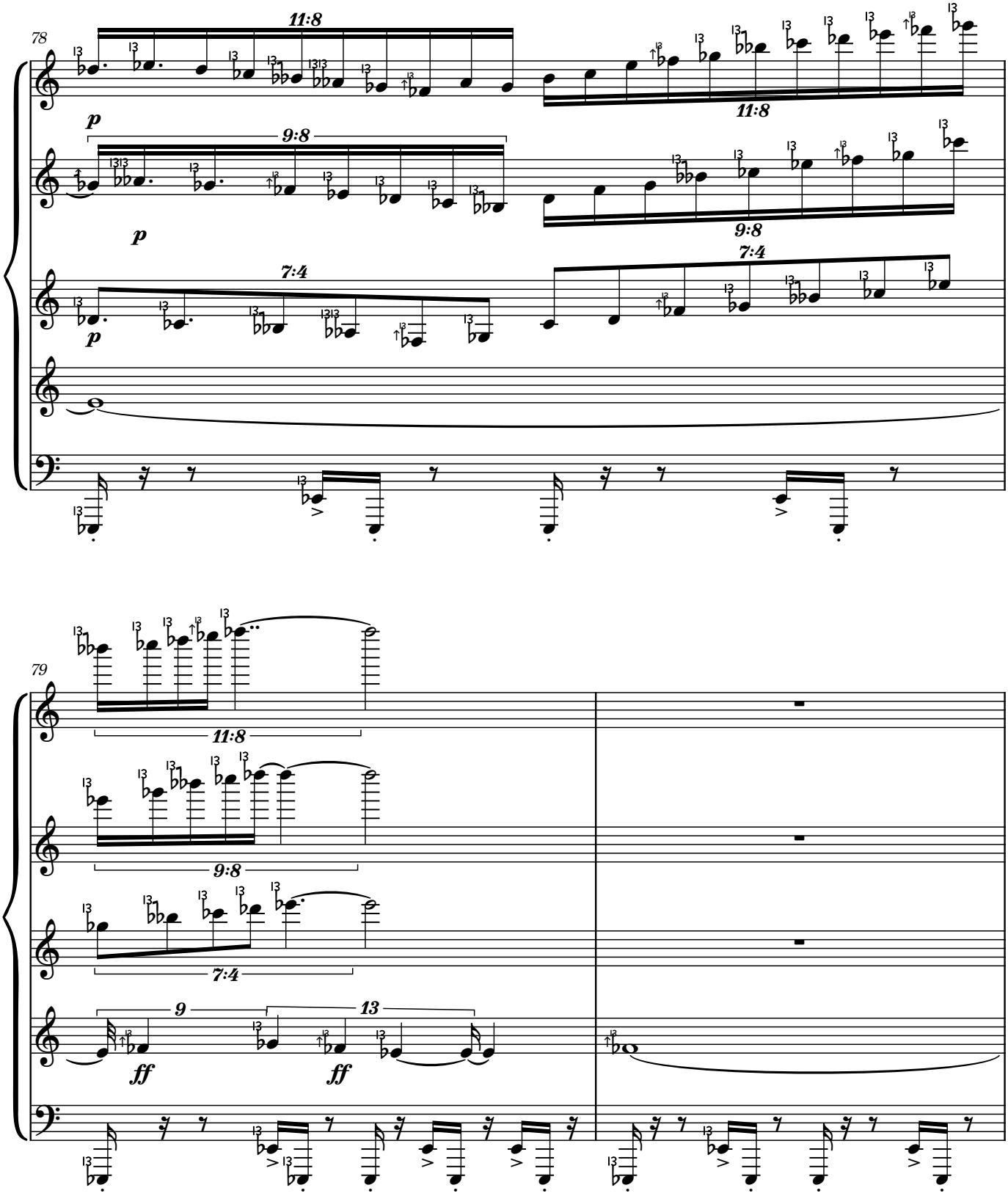

45
47
pp
5
mf
mp
3
50
mf
17
mf
9
mf
f
f
f
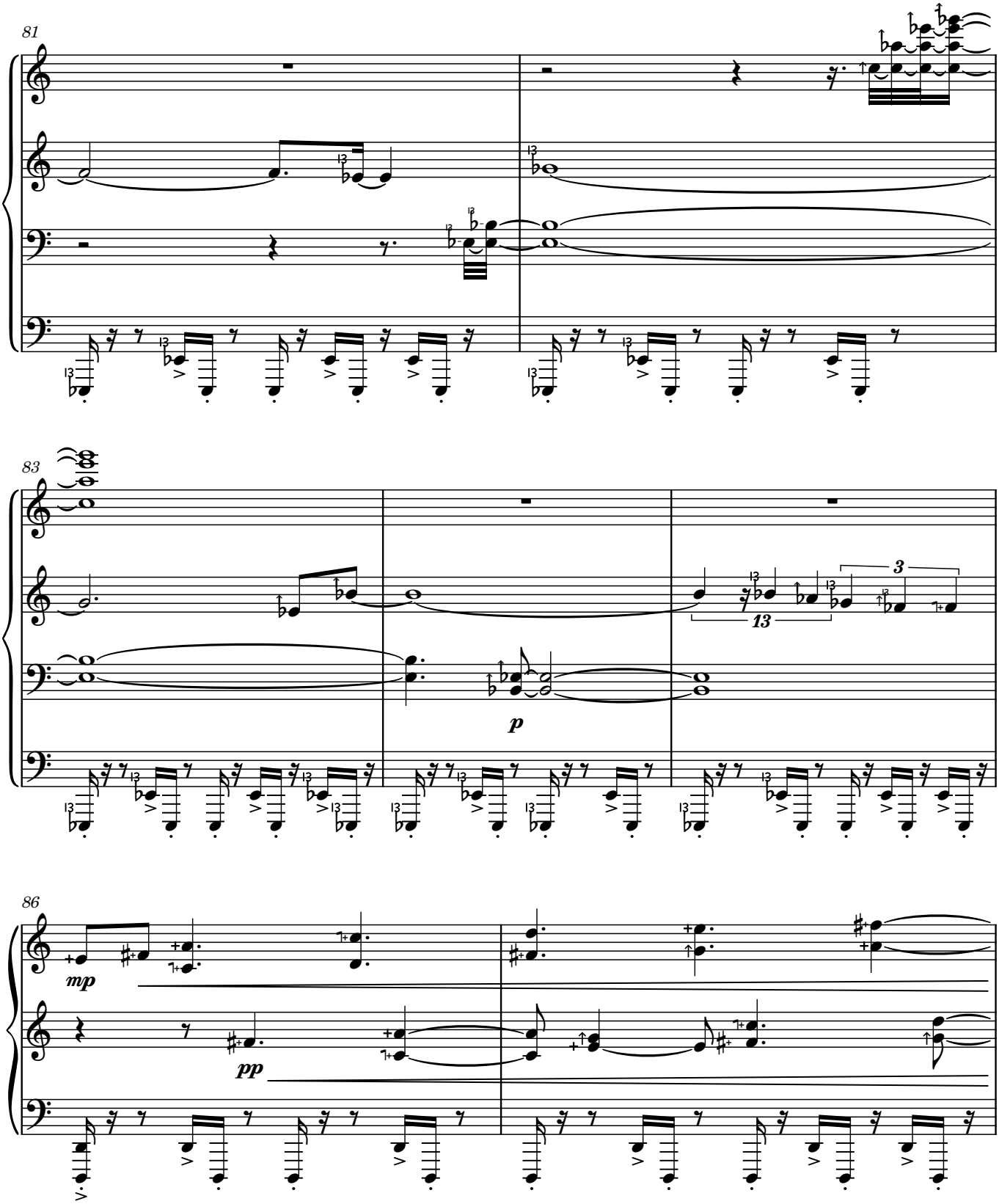

52
54
57
59
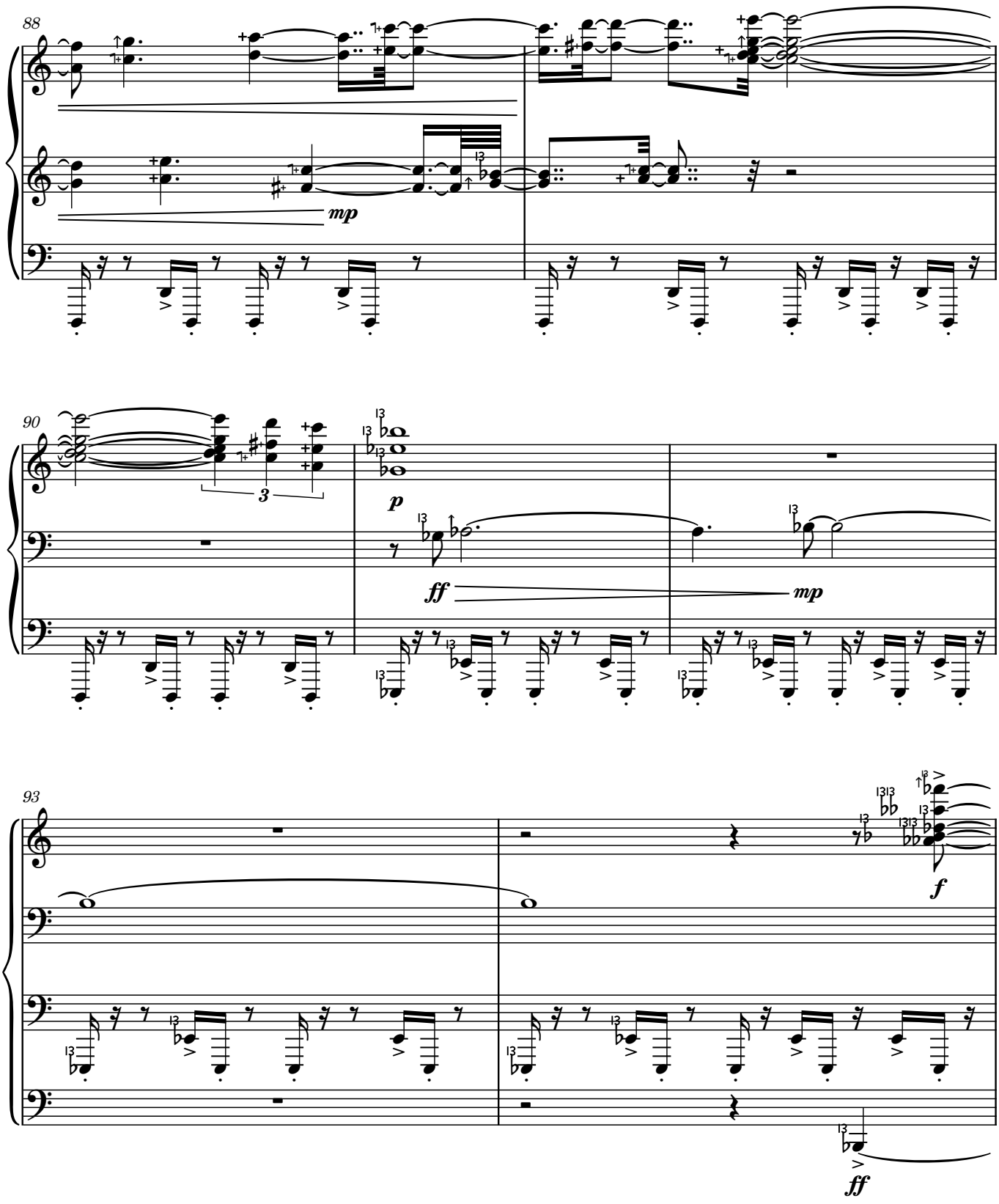

61
ff
17
mp
63
5
5
5
mp
p
65
f
17
mp
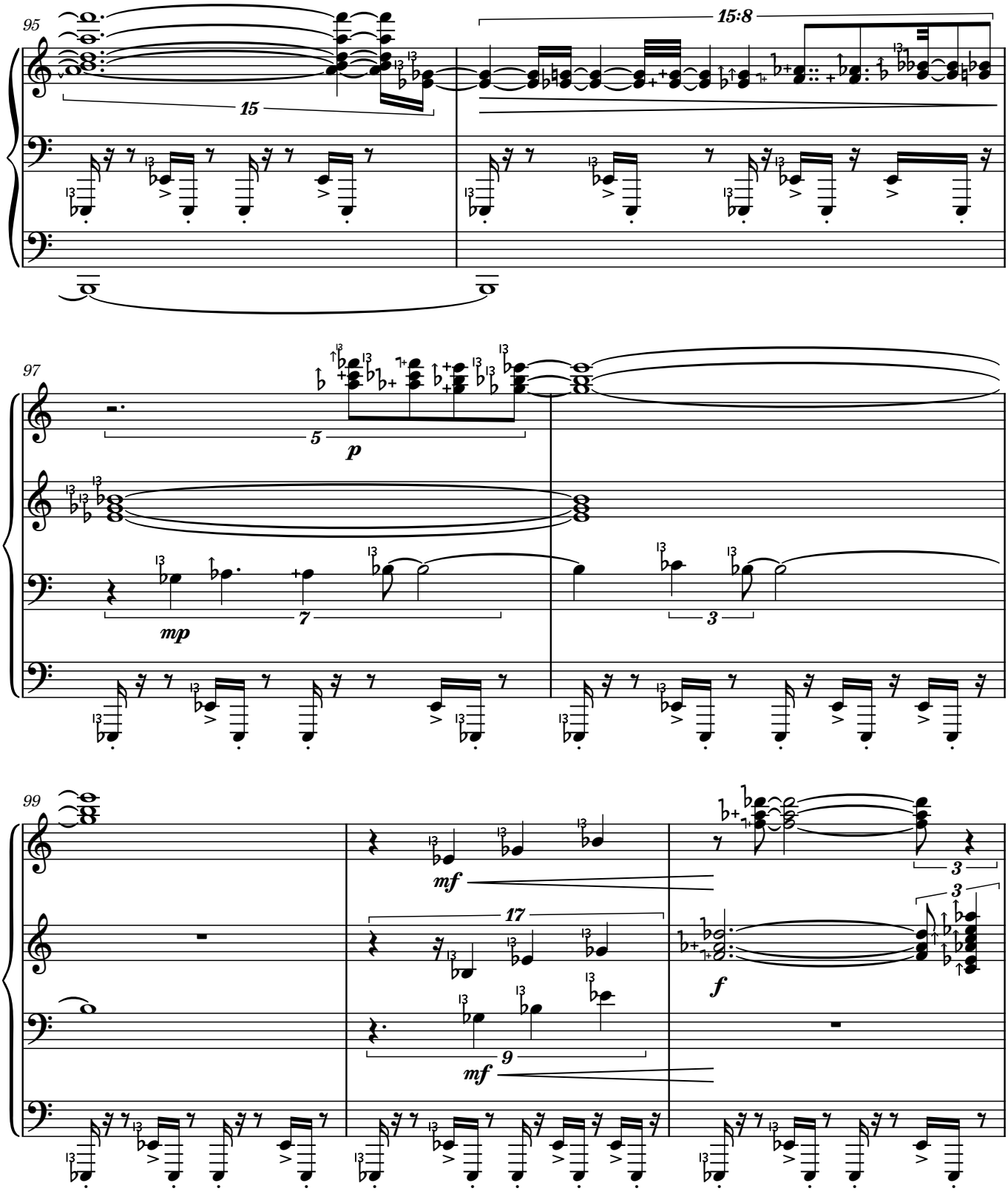

67
5:3
5
5:3
p
5
5
69
5
5
72
fff
mp
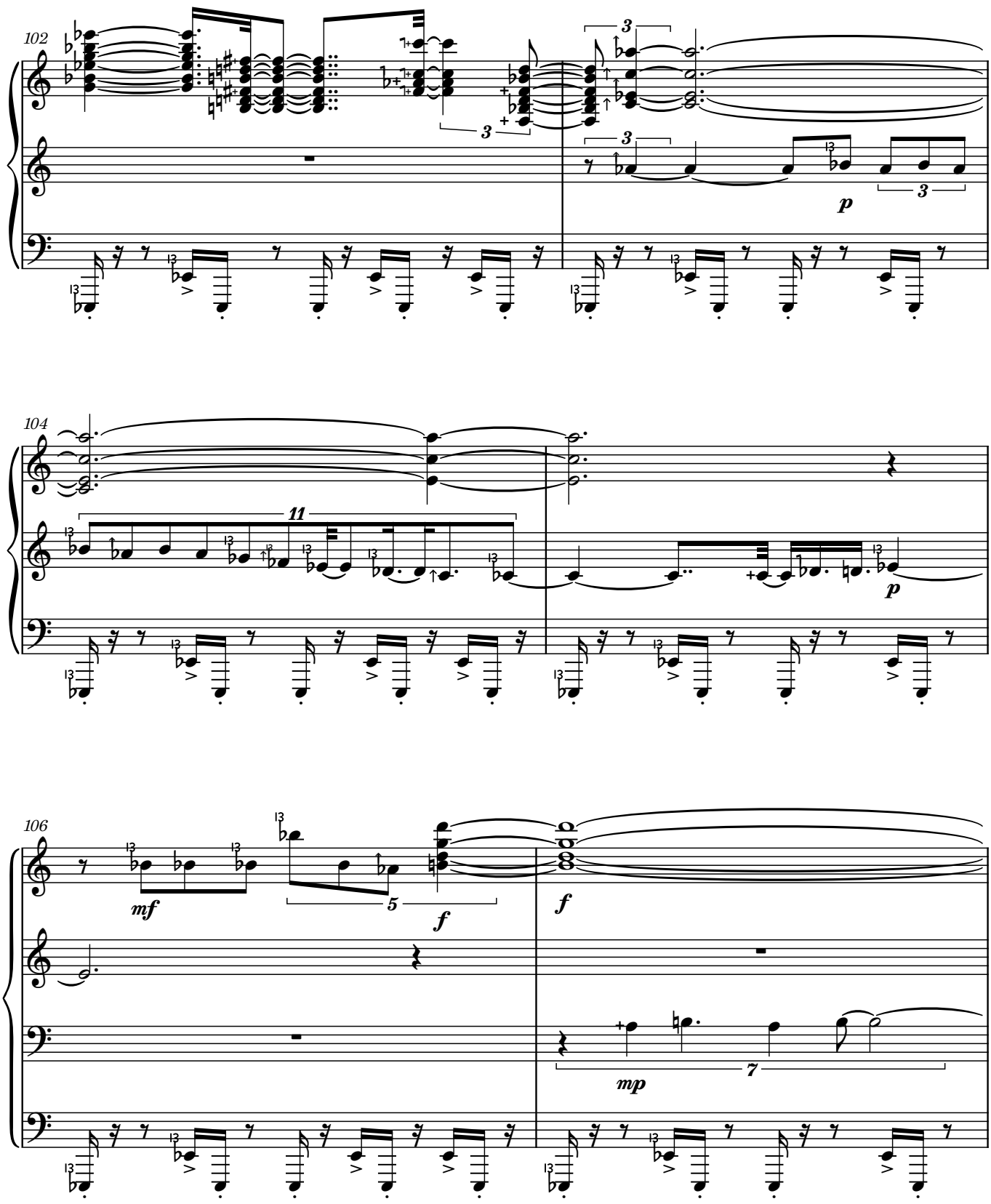

75
11:8
9:8
7:4
17
ff
77
11
11:8
9:8
7:4
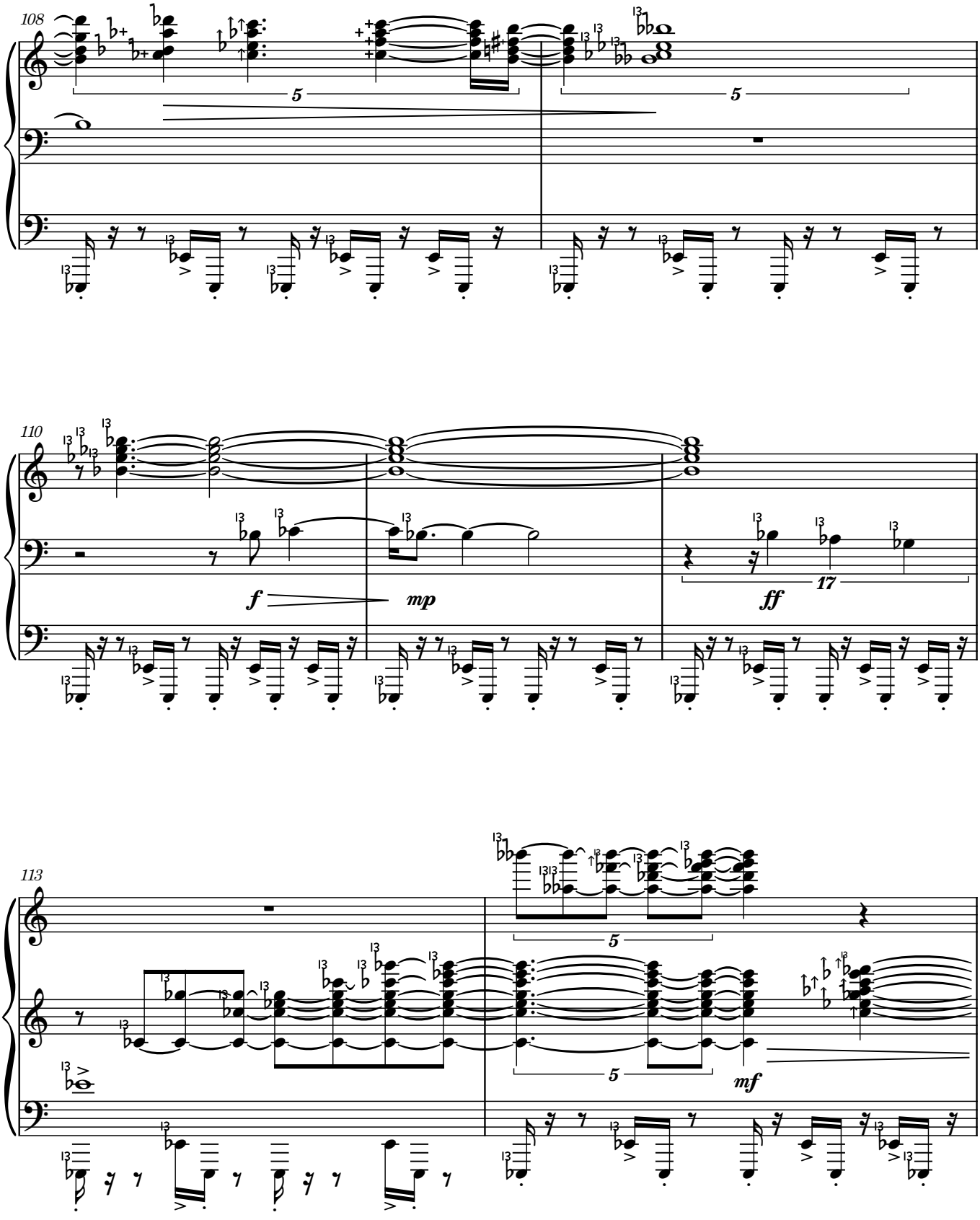

78
11:8
p
9:8
p
7:4
p
11:8
9:8
7:4
79
11:8
9:8
7:4
9
13
ff
ff
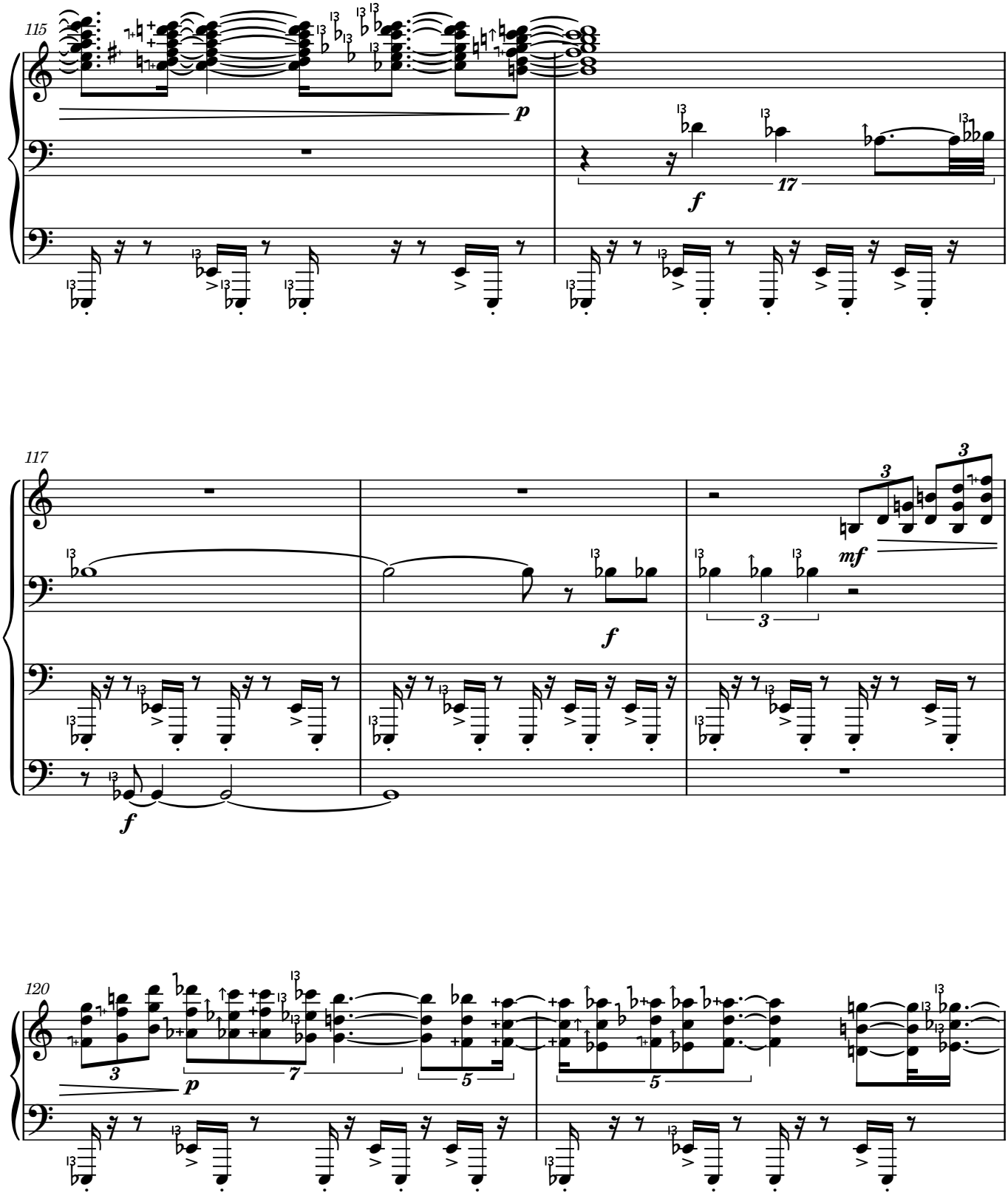

81
83
86
p
mp
pp
13
3
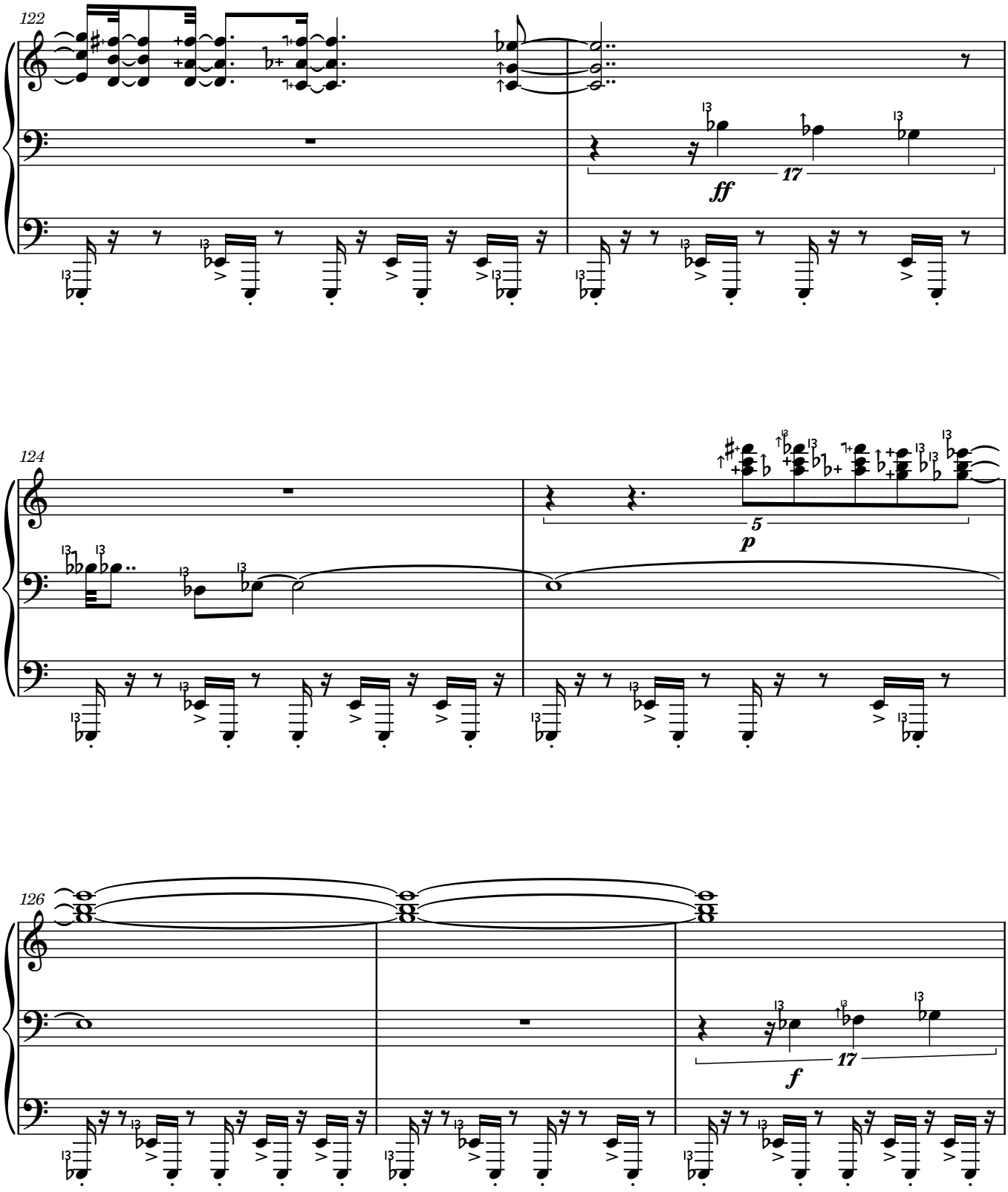

88
mp
90
3
p
ff
mp
93
f
ff
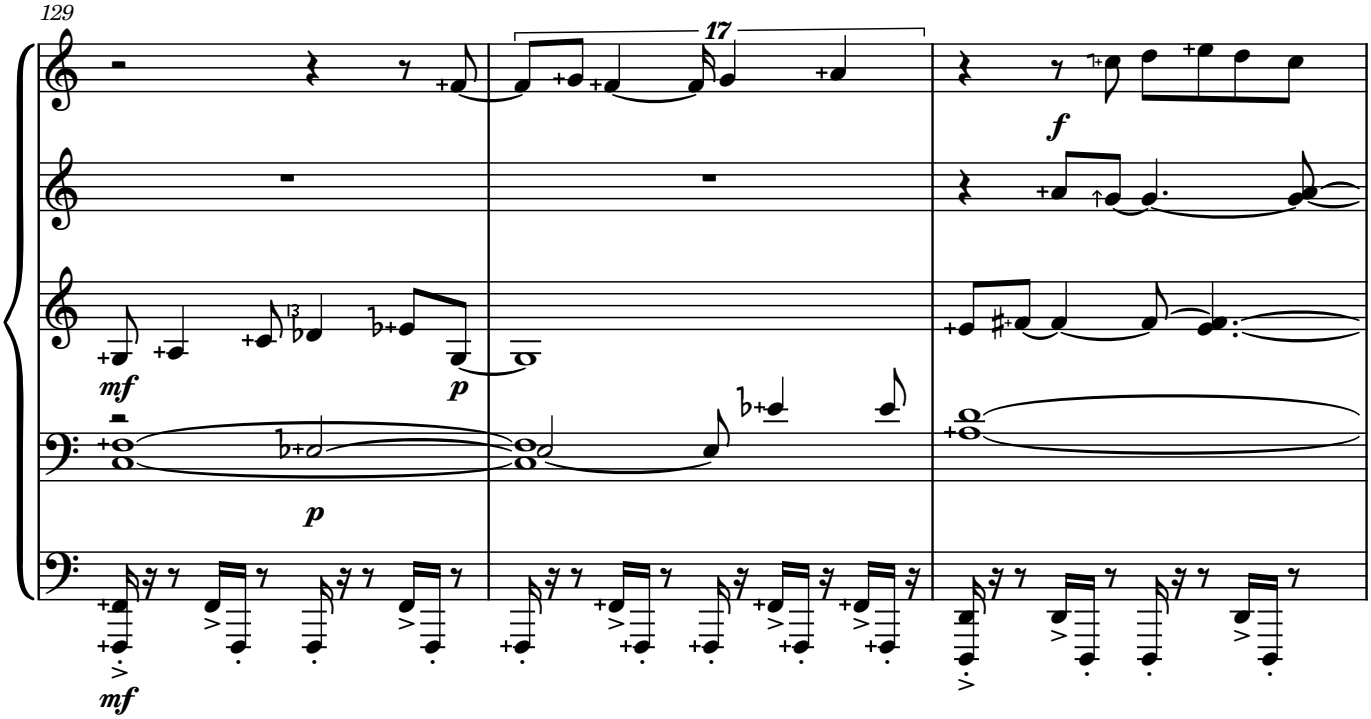

95
15
15:8
97
5
p
mp
7
3
99
mf
17
9
mf
3
3
f
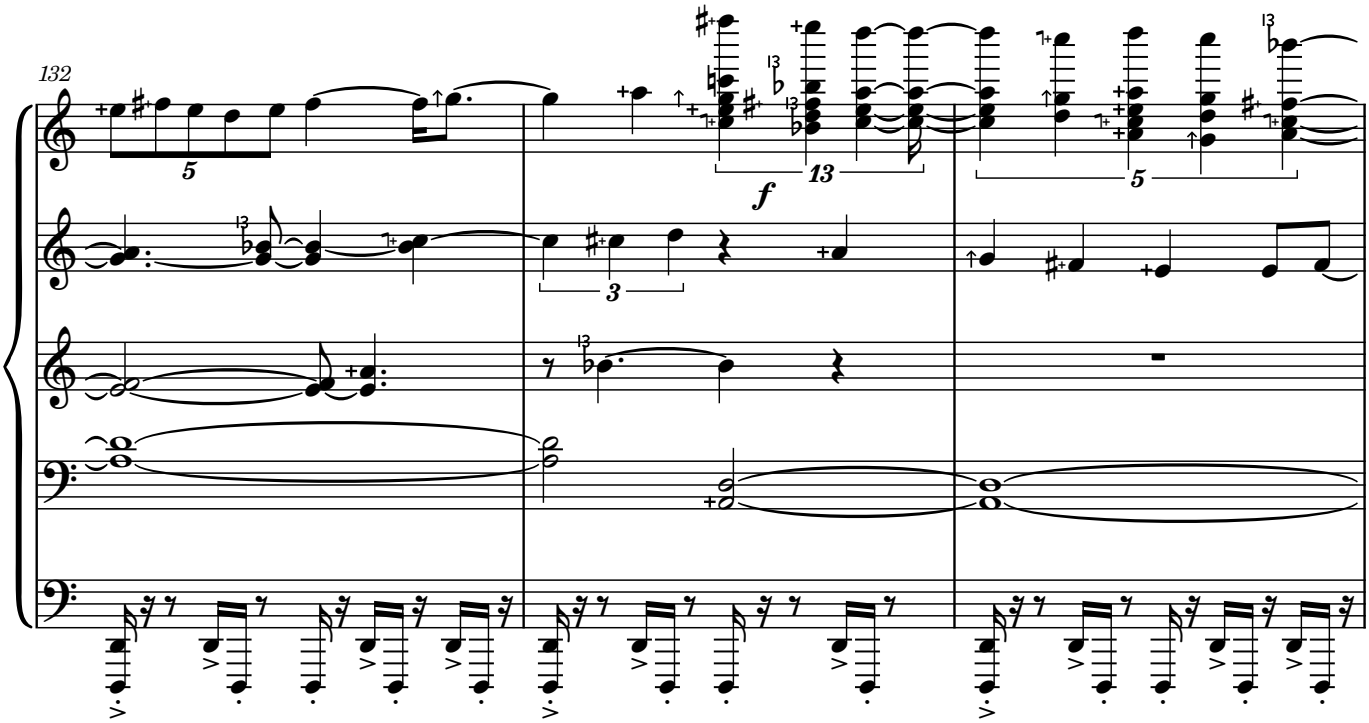

102
3
3
3
3
p
104
11
p
106
mf
5
f
f
mp
7
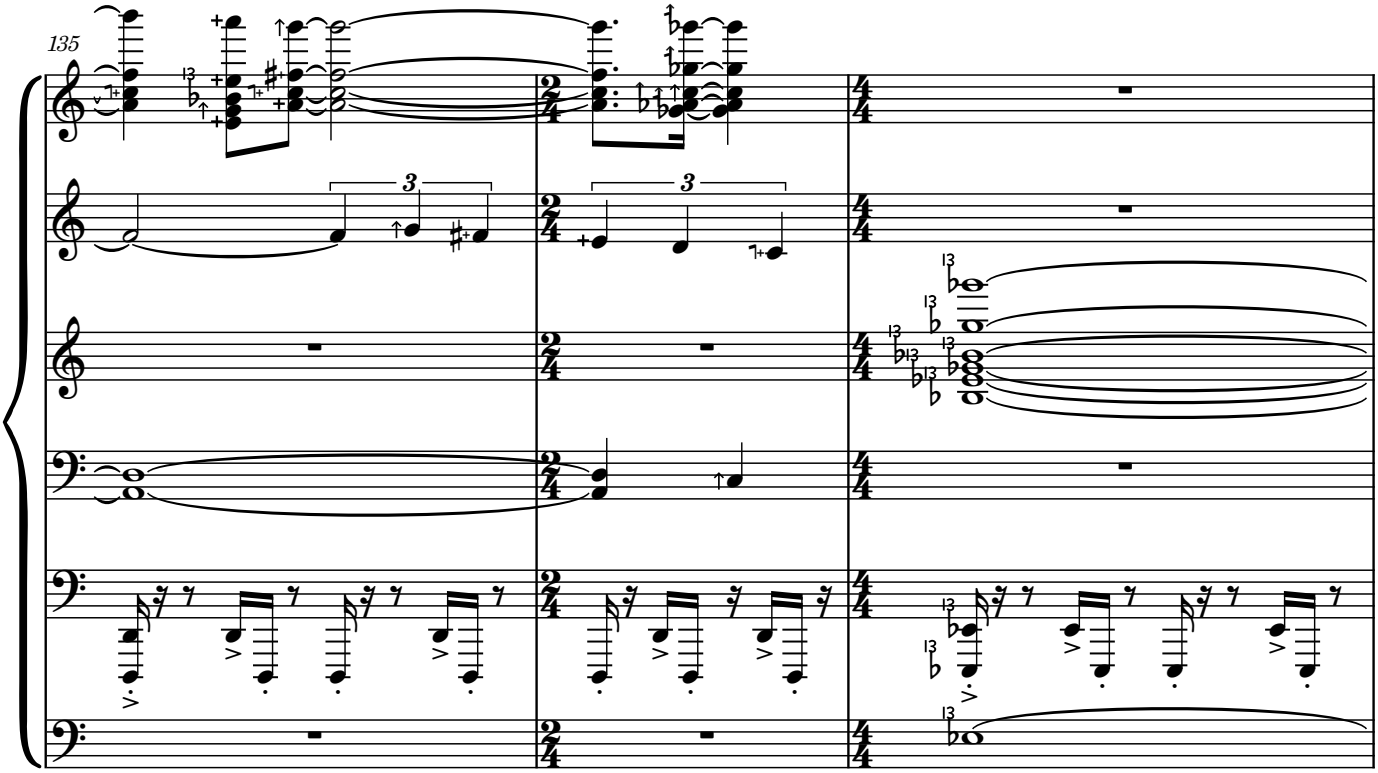

108
5
5
110
f
mp
17
ff
113
5
5
mf

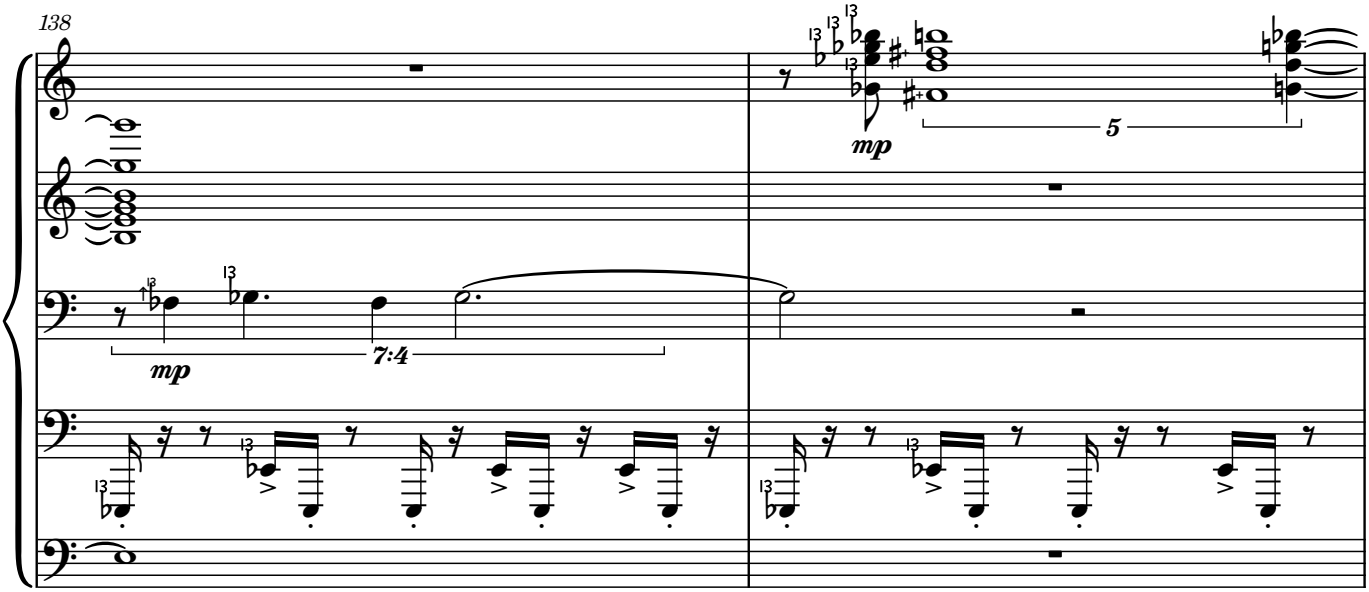

115
p
f
17
117
f
mf
3
120
p
3
7
5
5

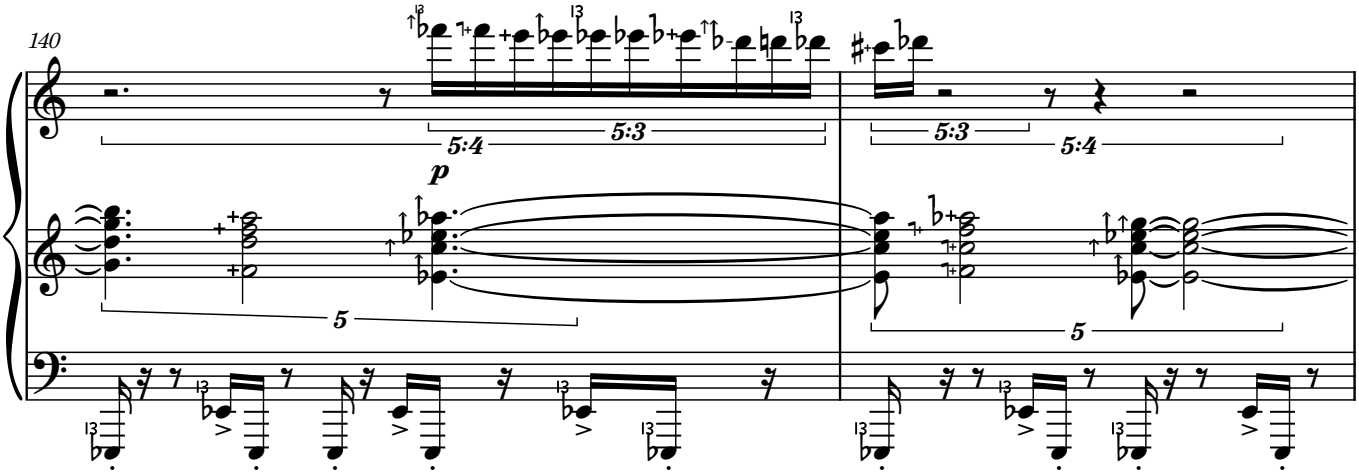

122
ff
17
124
p
5
126
f
17
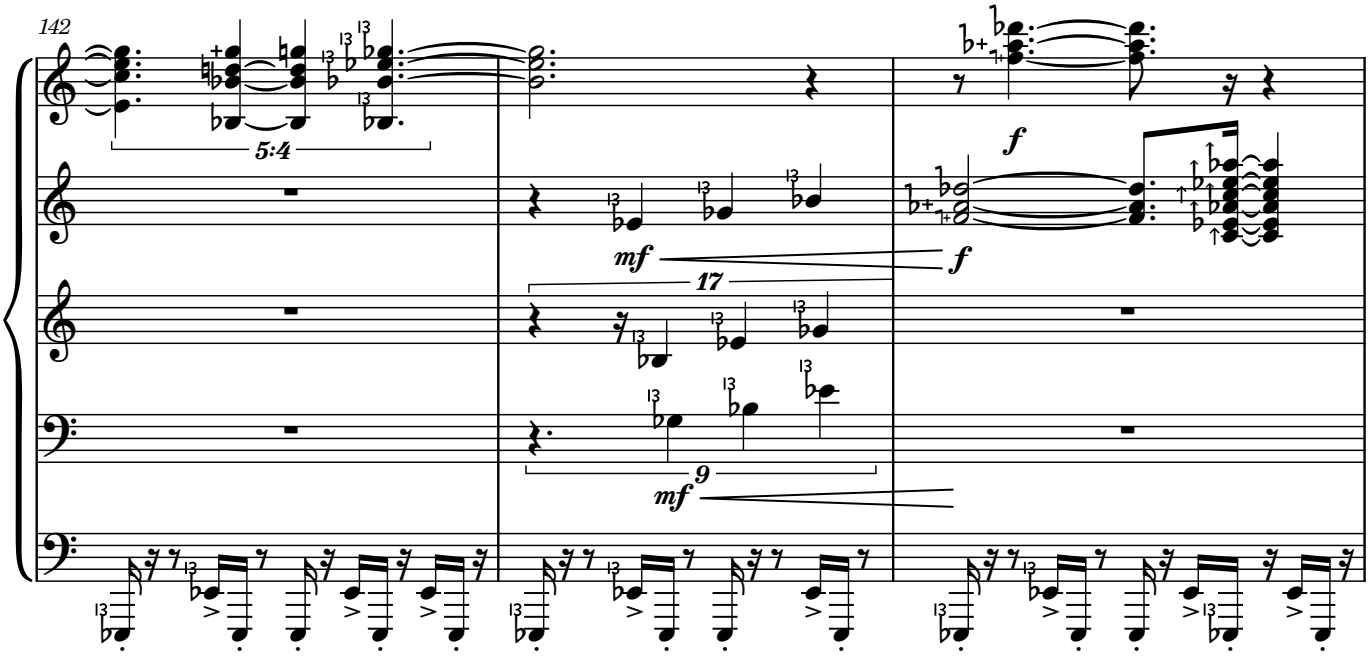

129
17
mf
p
f
mf
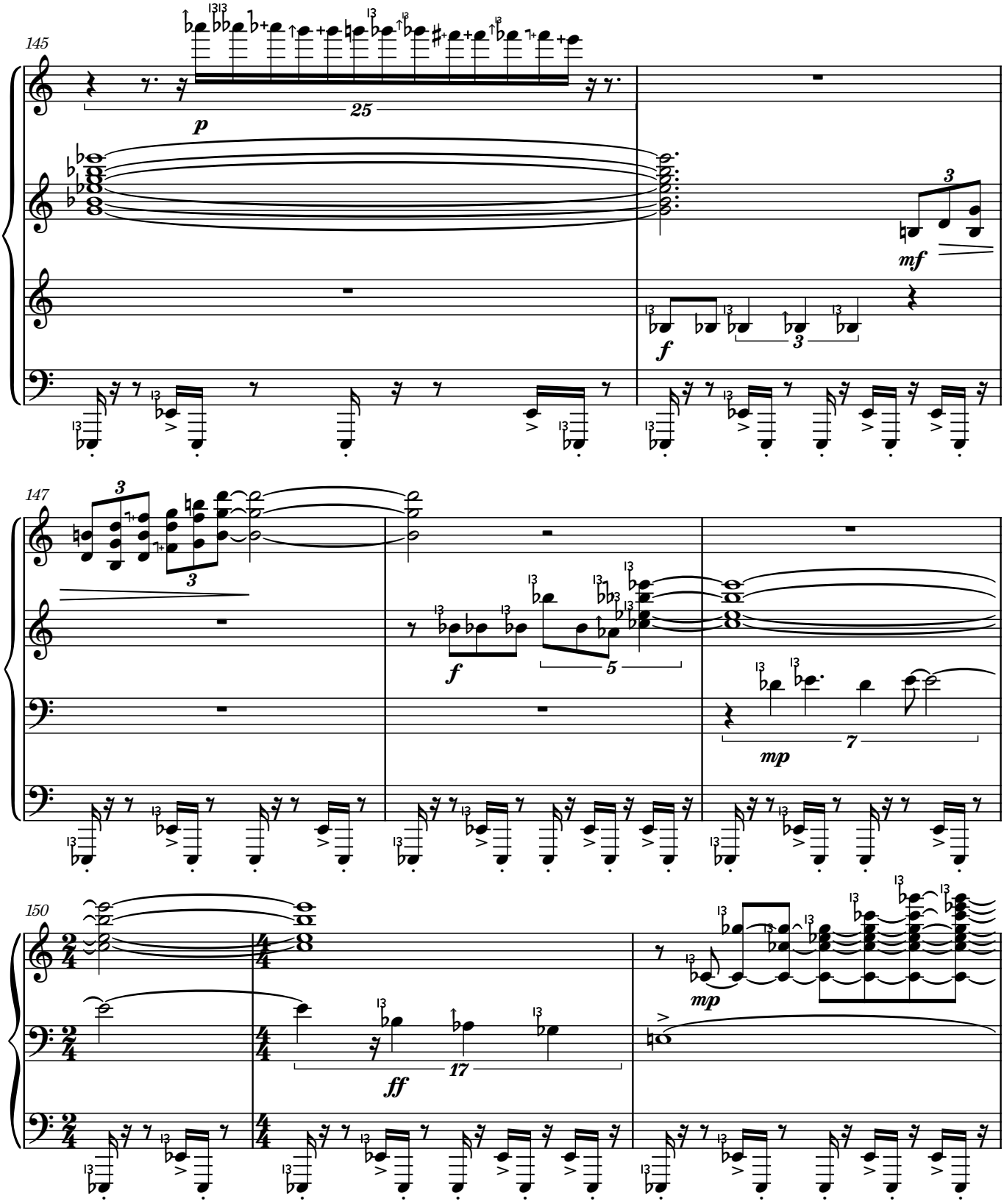

132
5
f
13
3
5
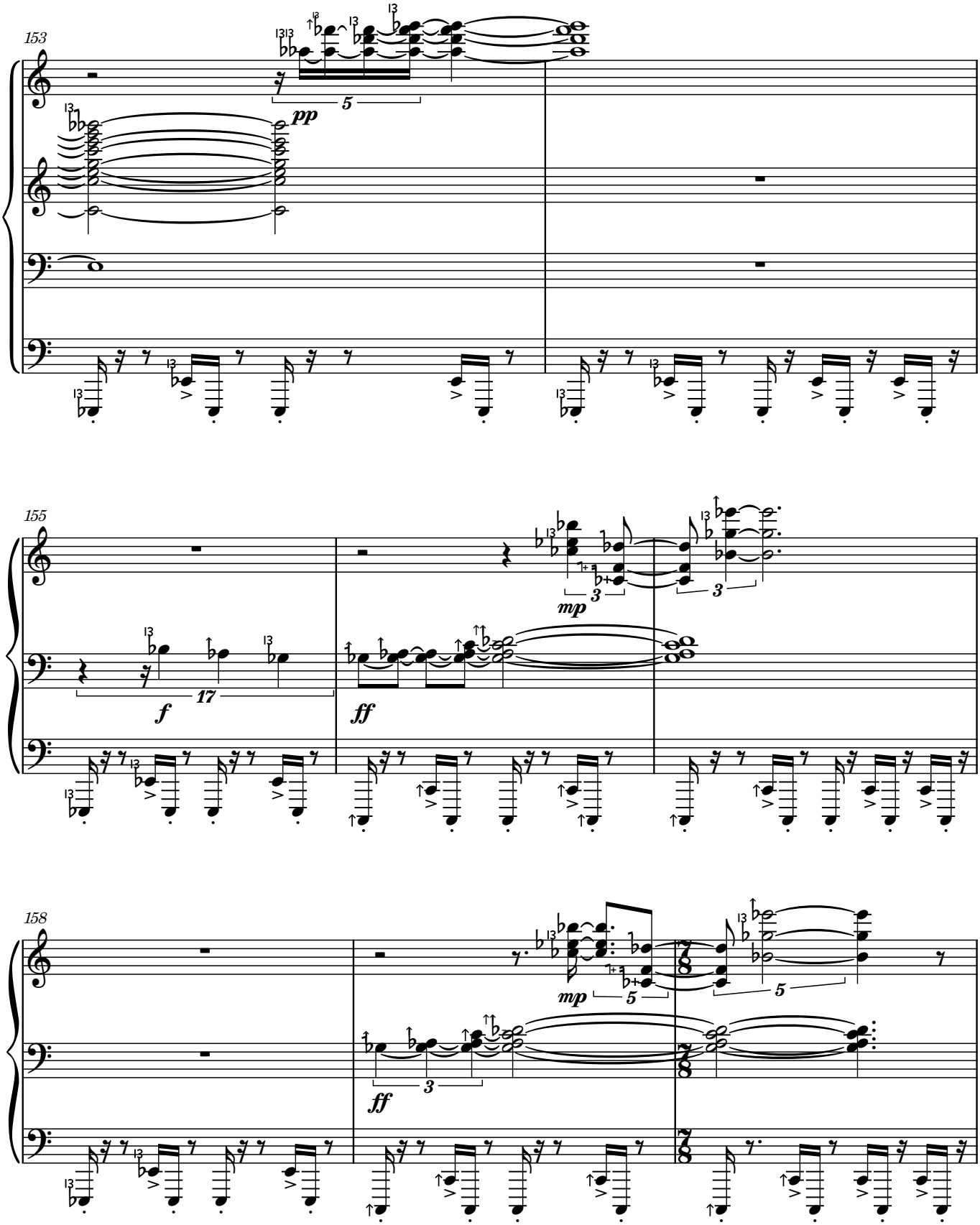

135
3
3
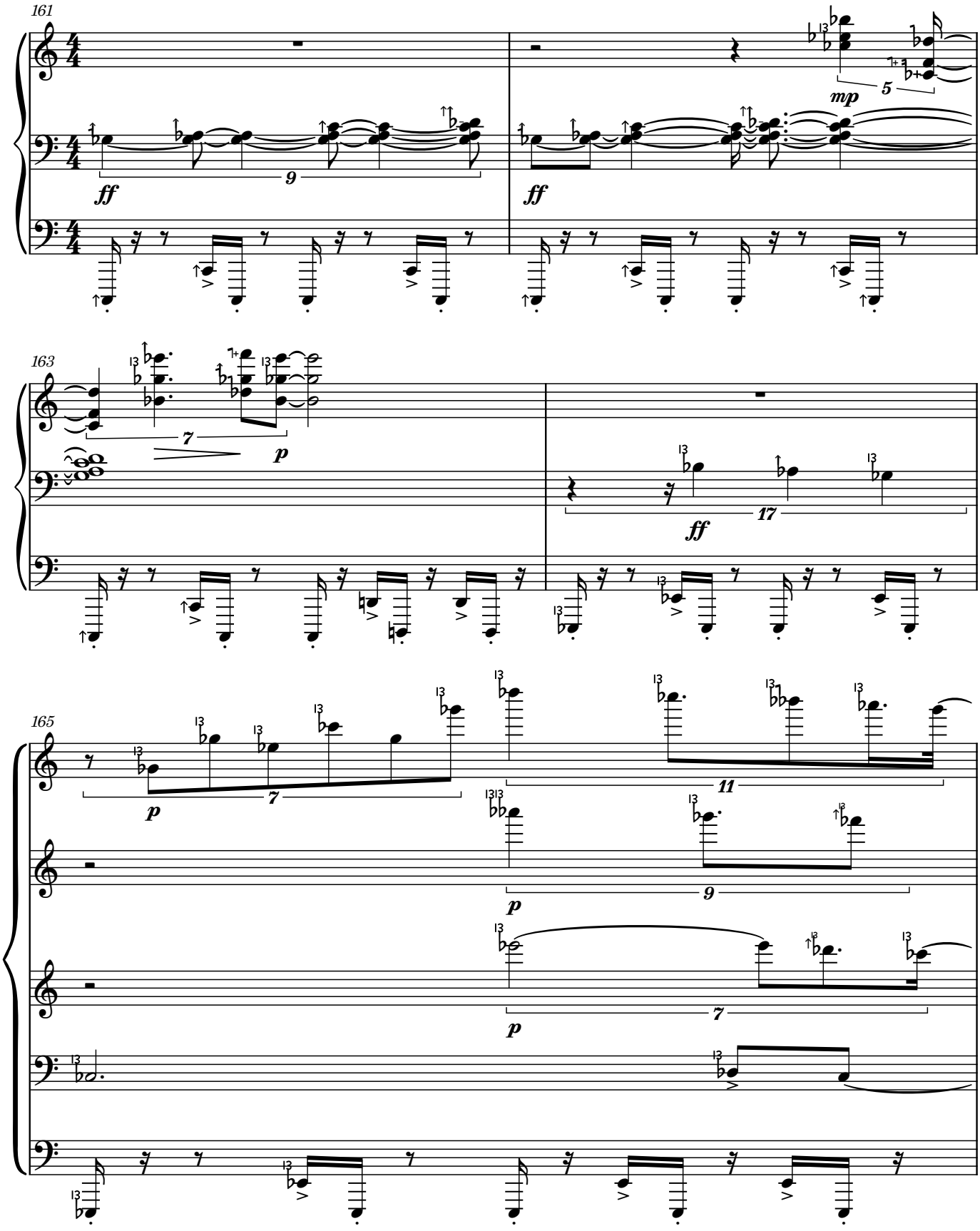

138
mp
7:4
mp
5

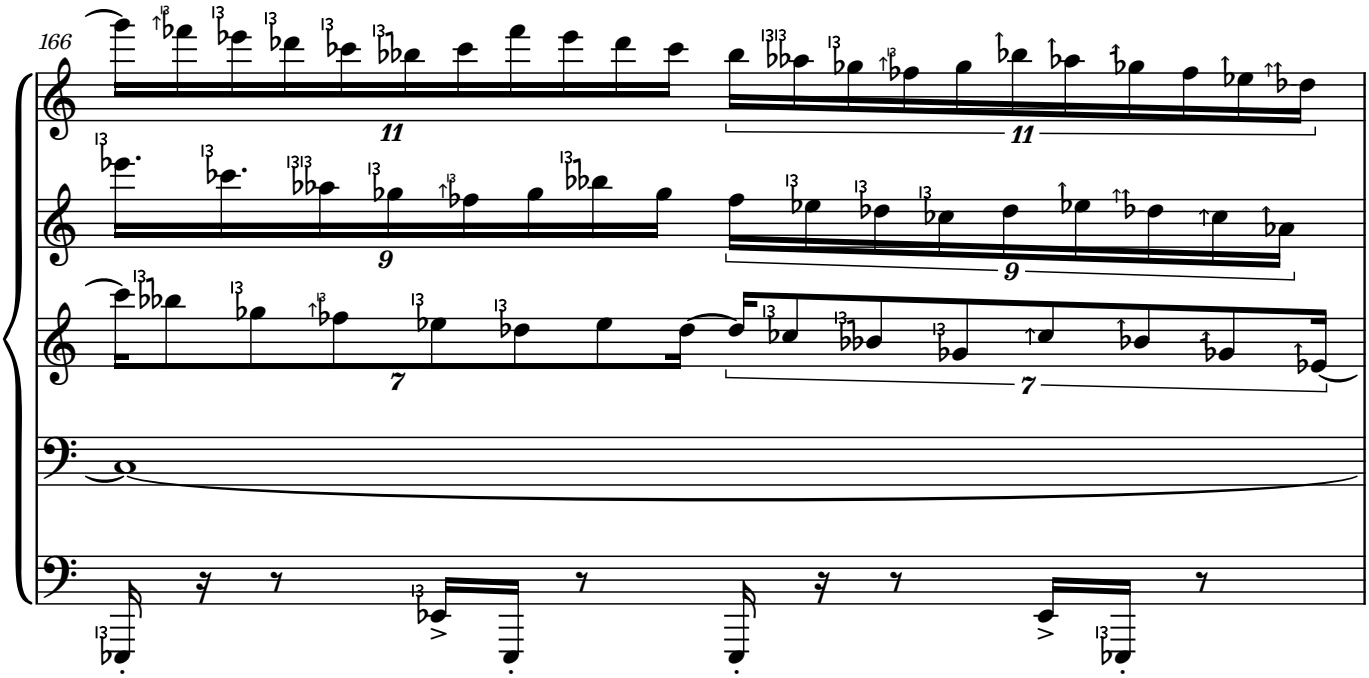

140
5:4
5:3
5:3
5:4
p
5
5
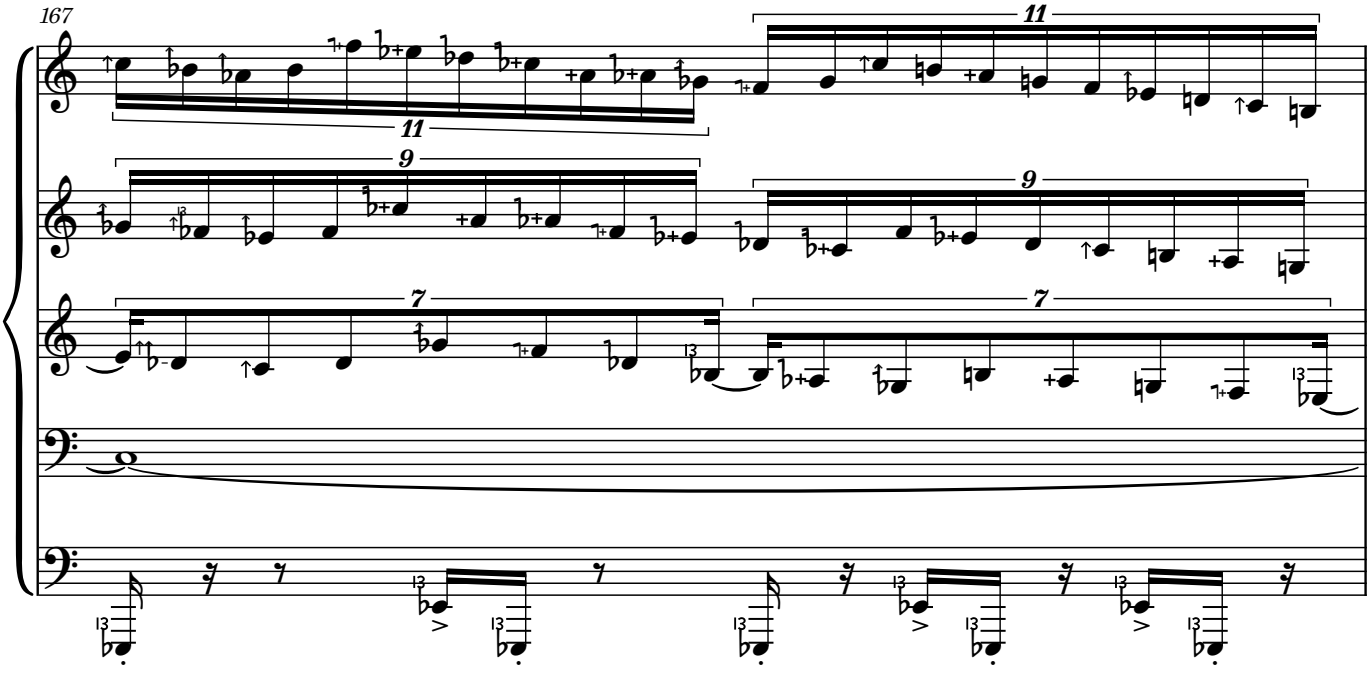

142
5:4
mf
17
f
f
9
mf
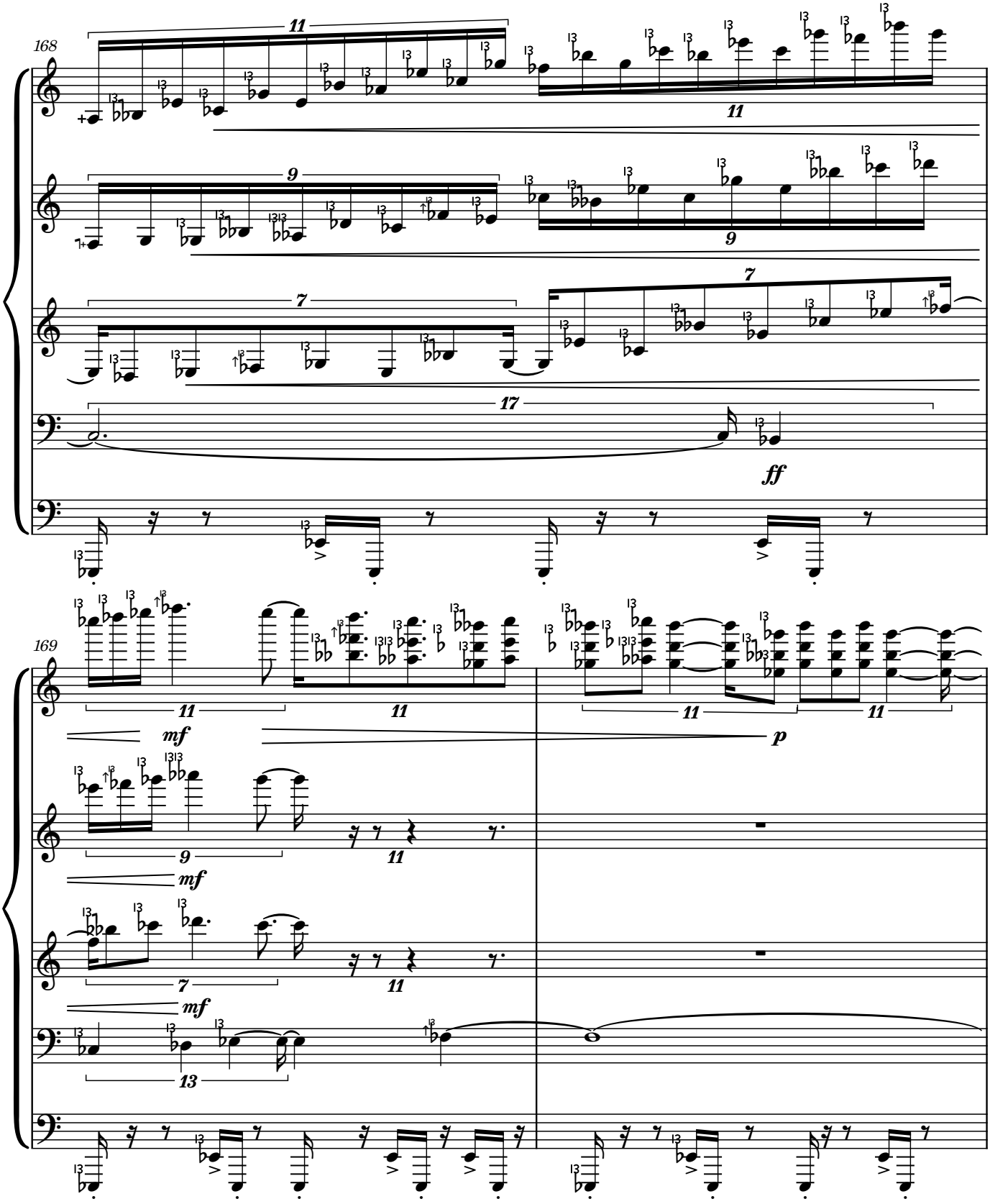

145
25
p
3
mf
f
3
147
3
3
f
5
mp
7
150
mp
ff
17
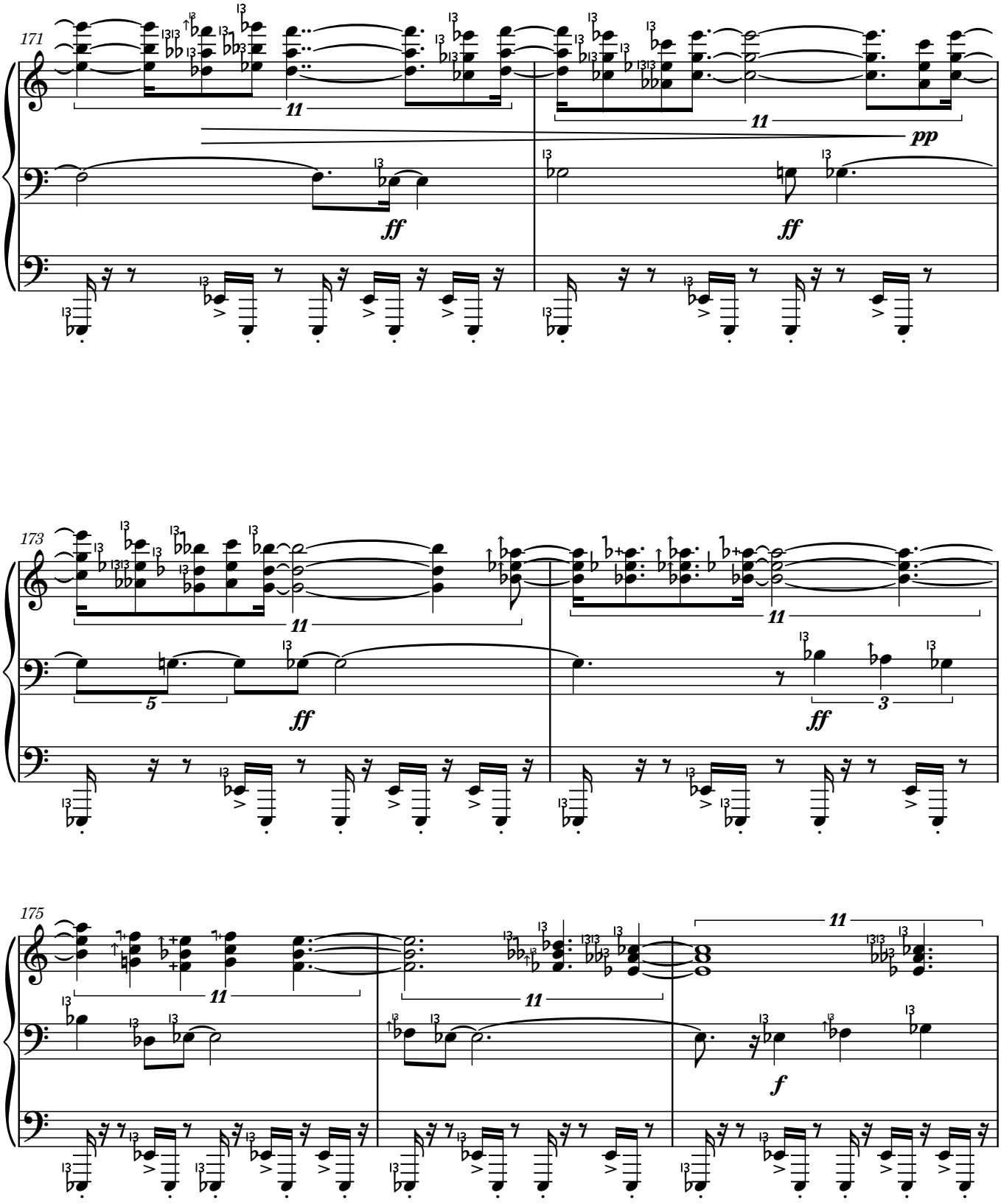

153
pp
155
f
17
ff
mp
3
158
mp
5
ff
3
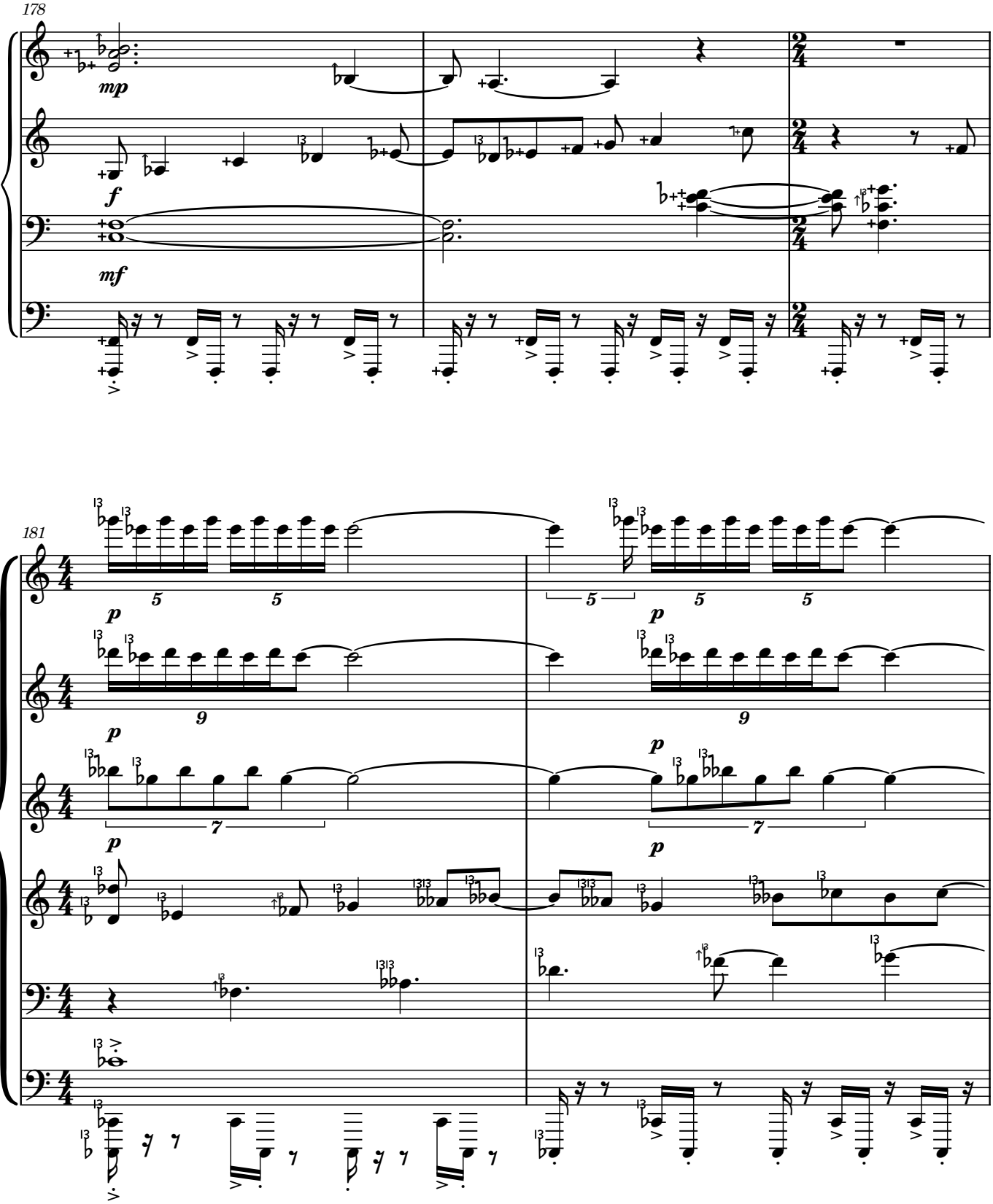

161
ff
9
ff
mp
5
163
7
p
ff
17
165
p
7
11
p
9
p
7
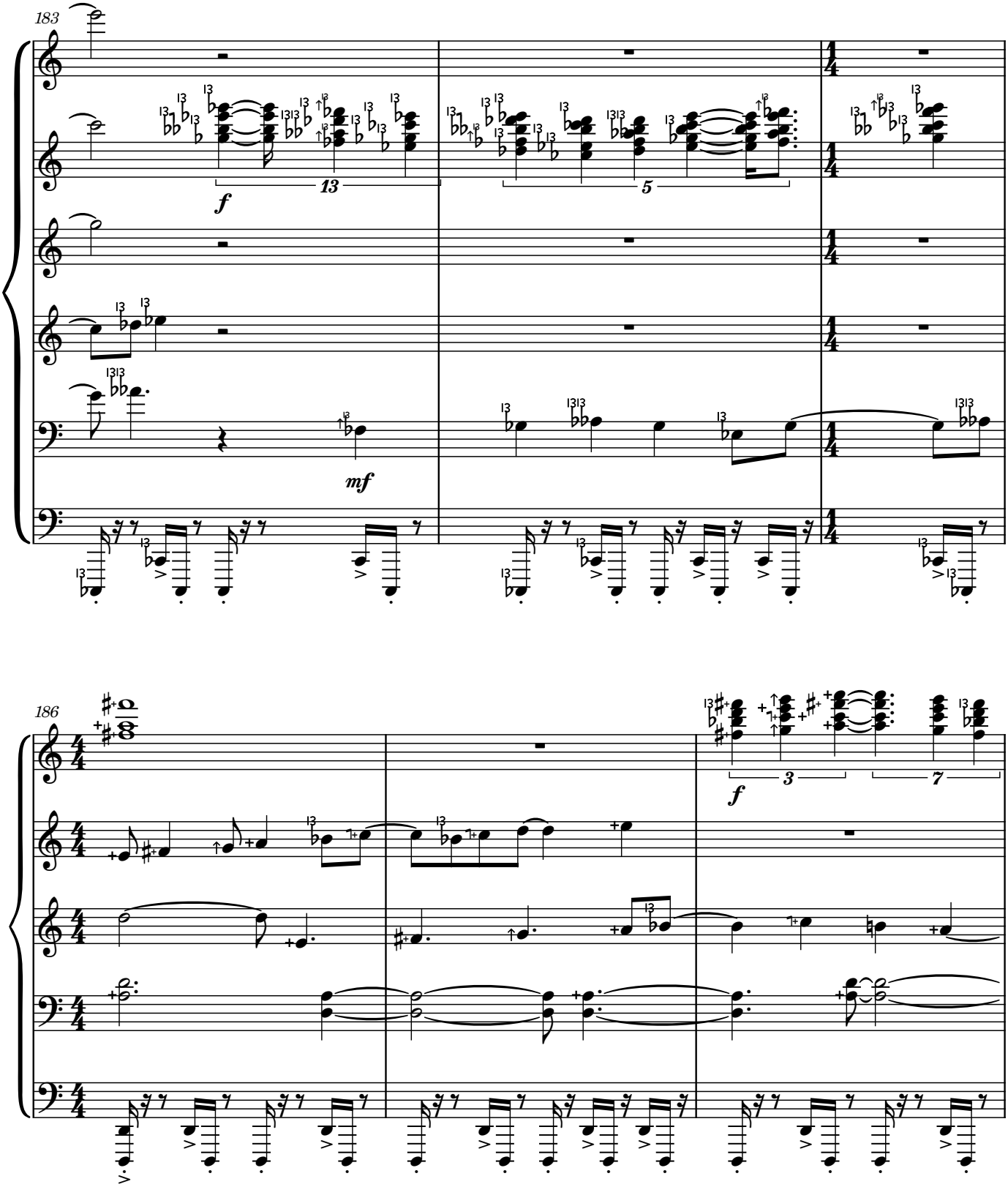

166
11
11
9
9
7
7
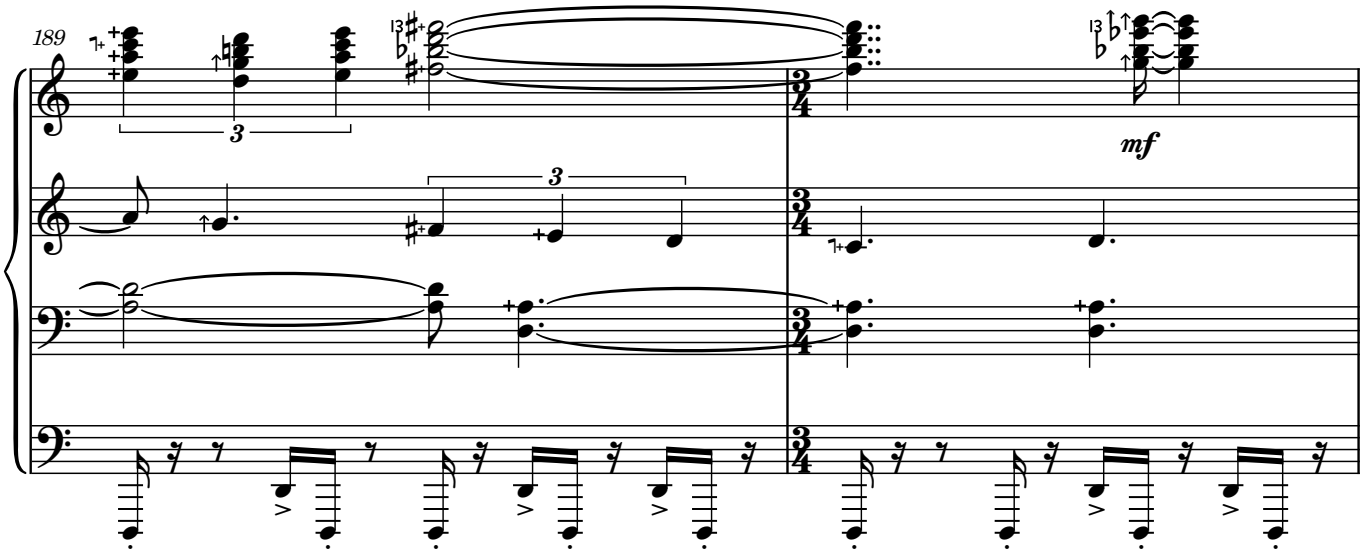

167
11
11
9
9
7
7
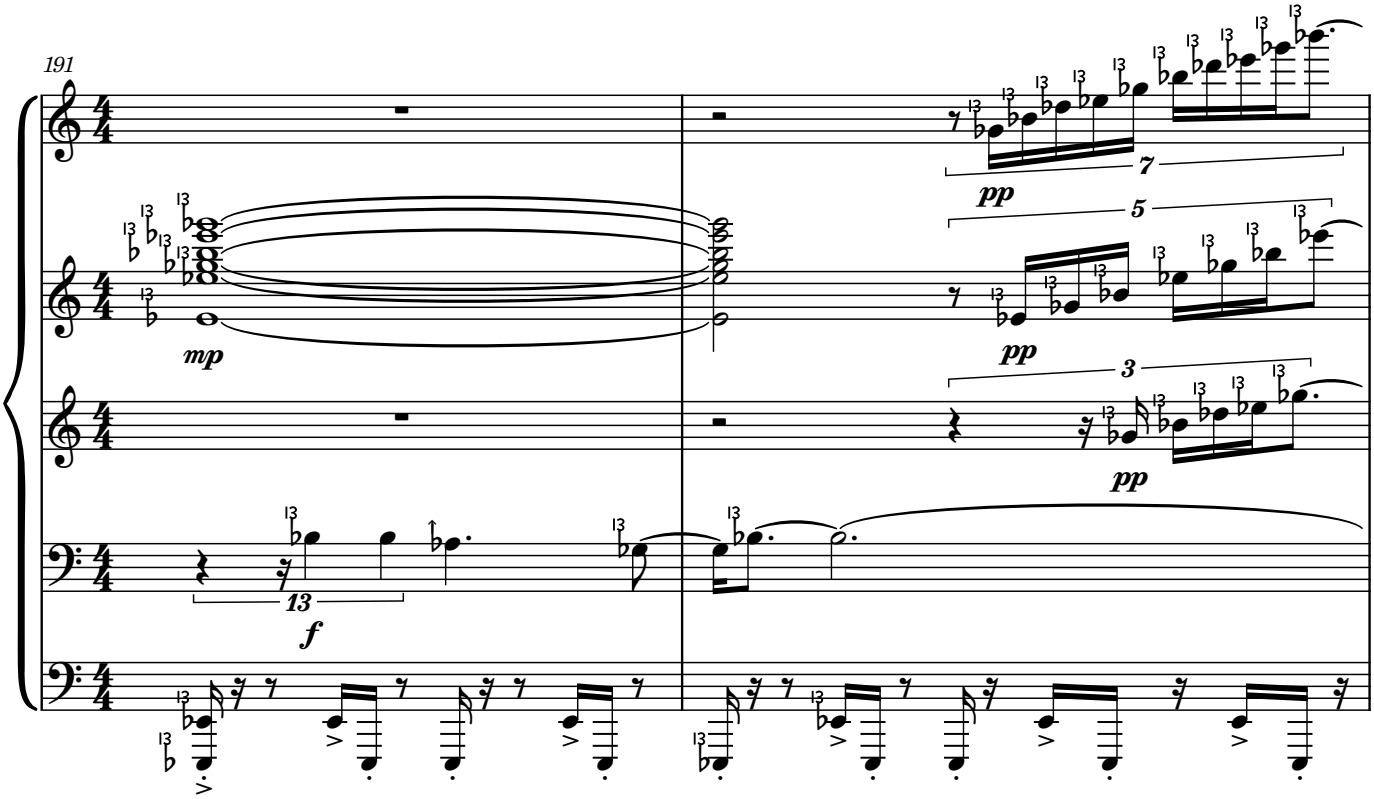

168
11
9
7
17
ff
169
11
mf
p
9
mf
7
mf
13
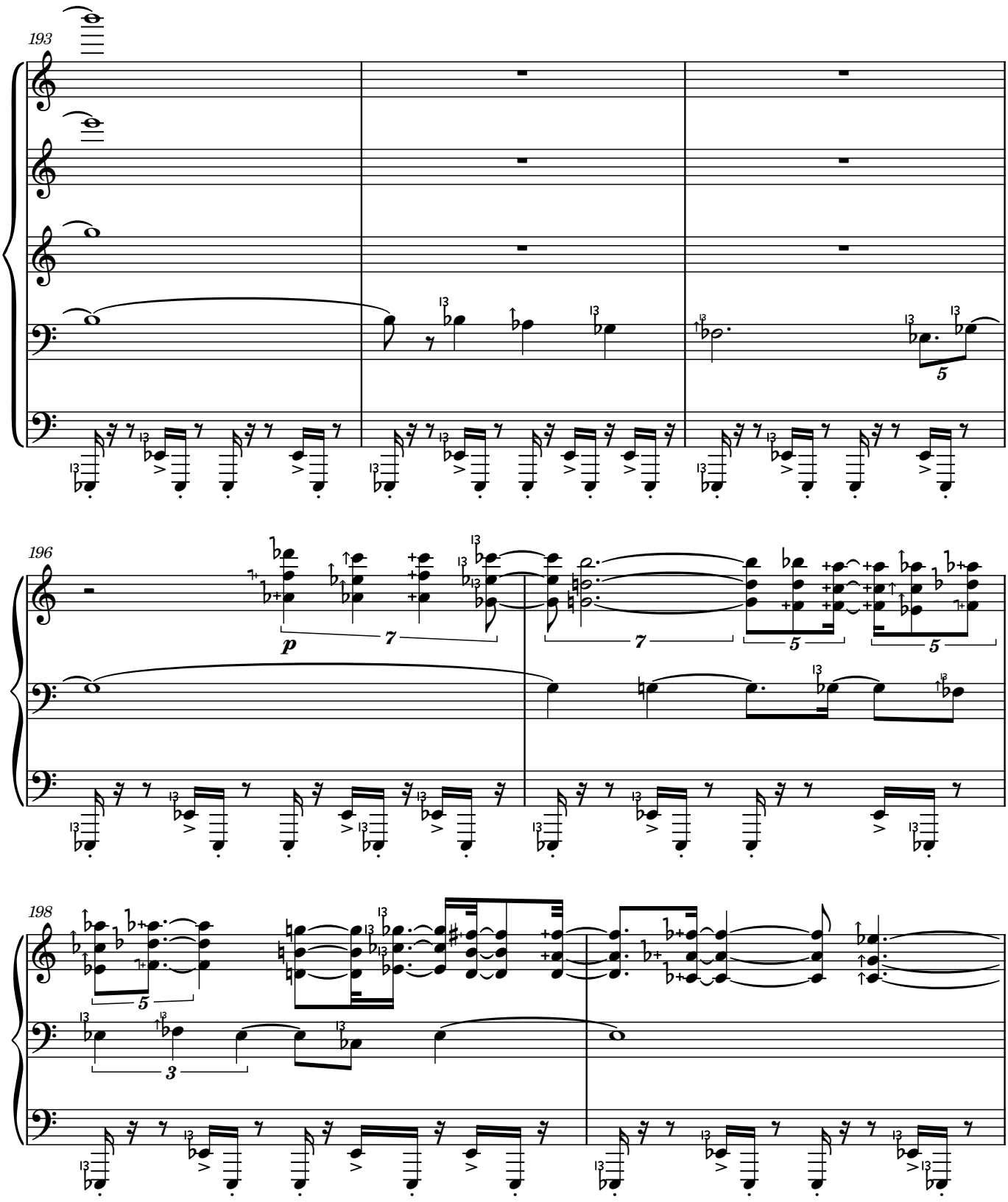

171
11
11
pp
ff
ff
173
11
11
5
ff
ff
3
175
11
11
11
f
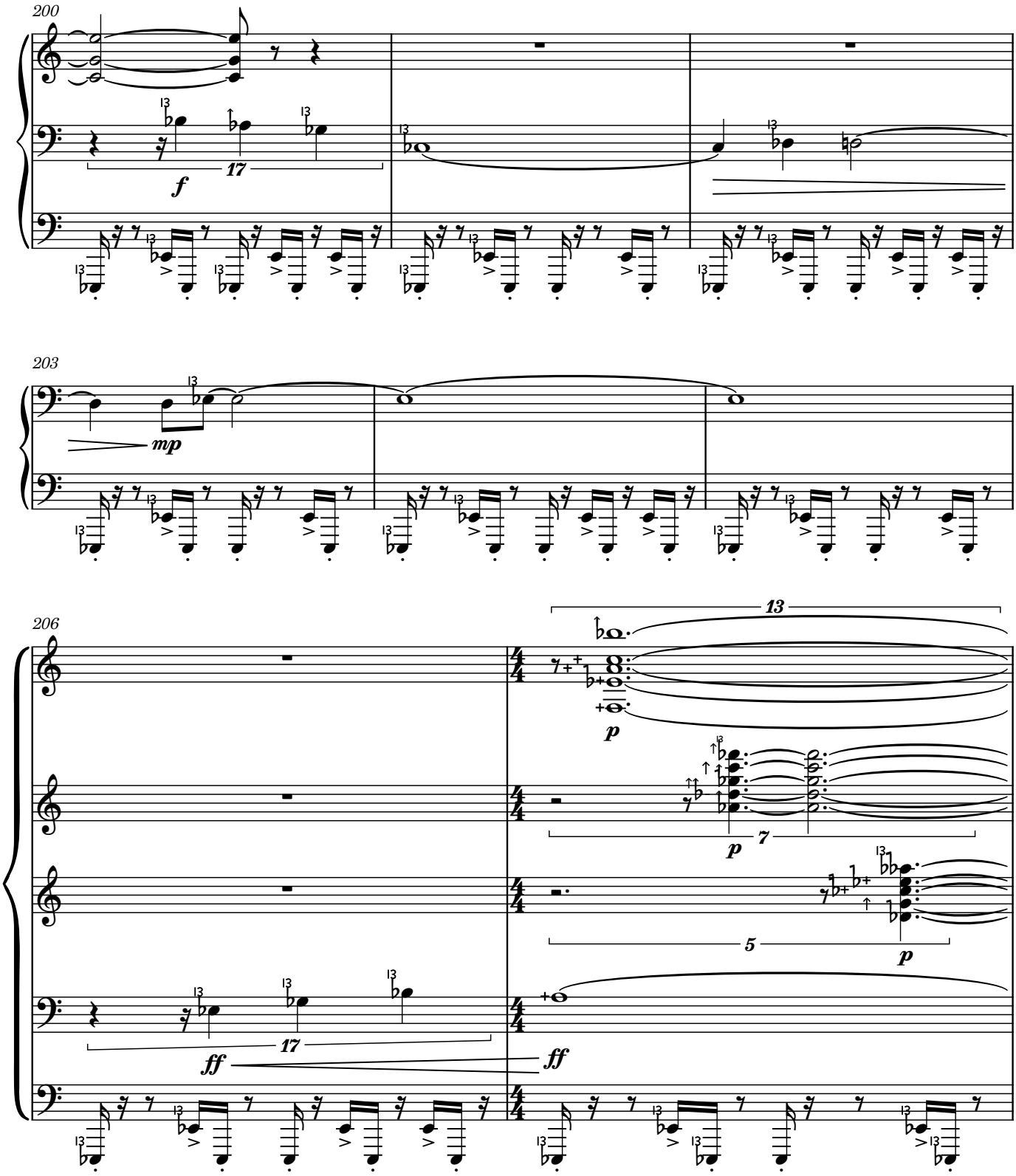

178
mp
f
mf
181
p
5
9
7

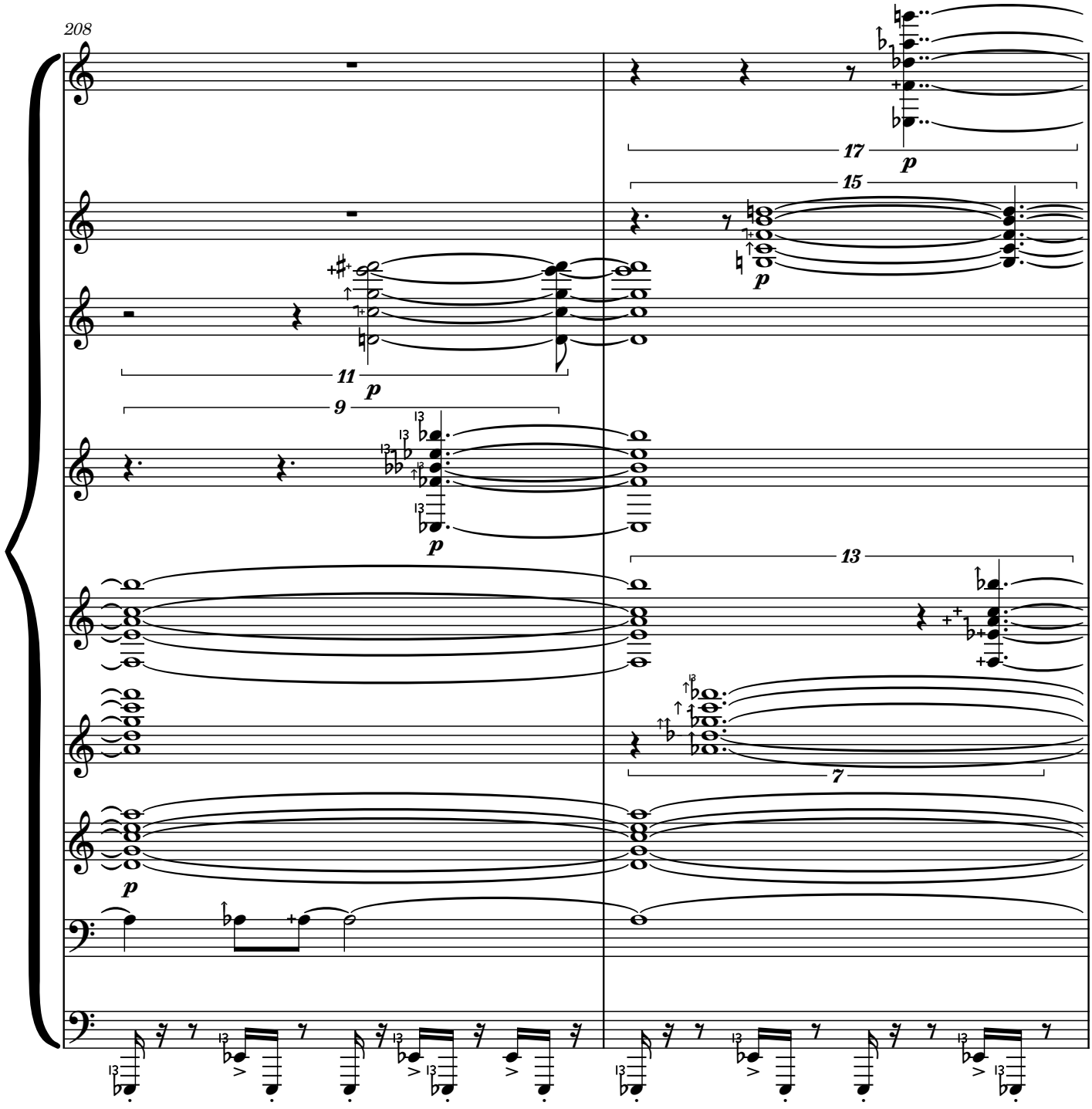

183
f
13
5
mf
186
f
3
7

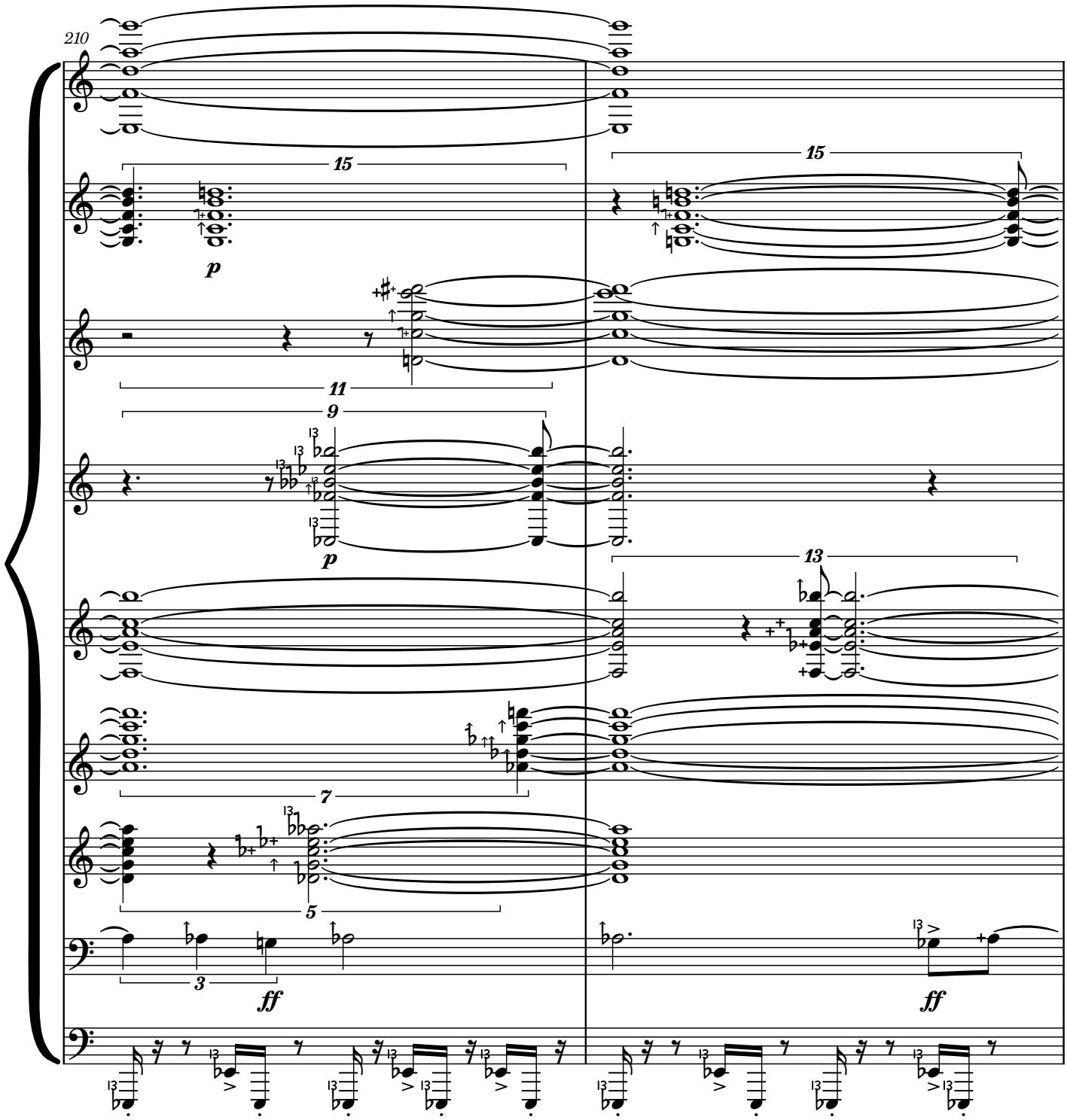

189
3
3
mf
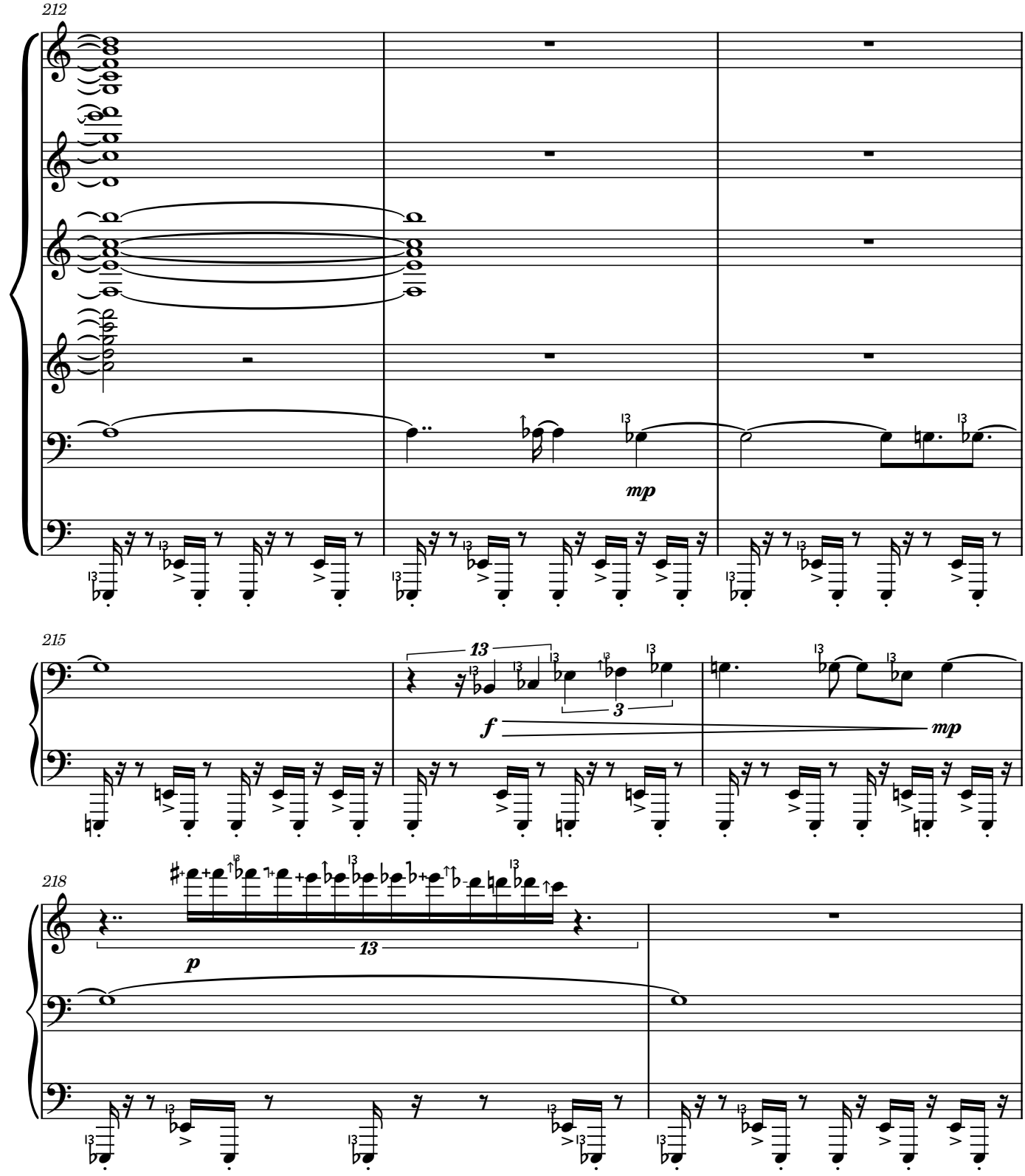

191
mp
pp
7
5
pp
3
pp
13
f

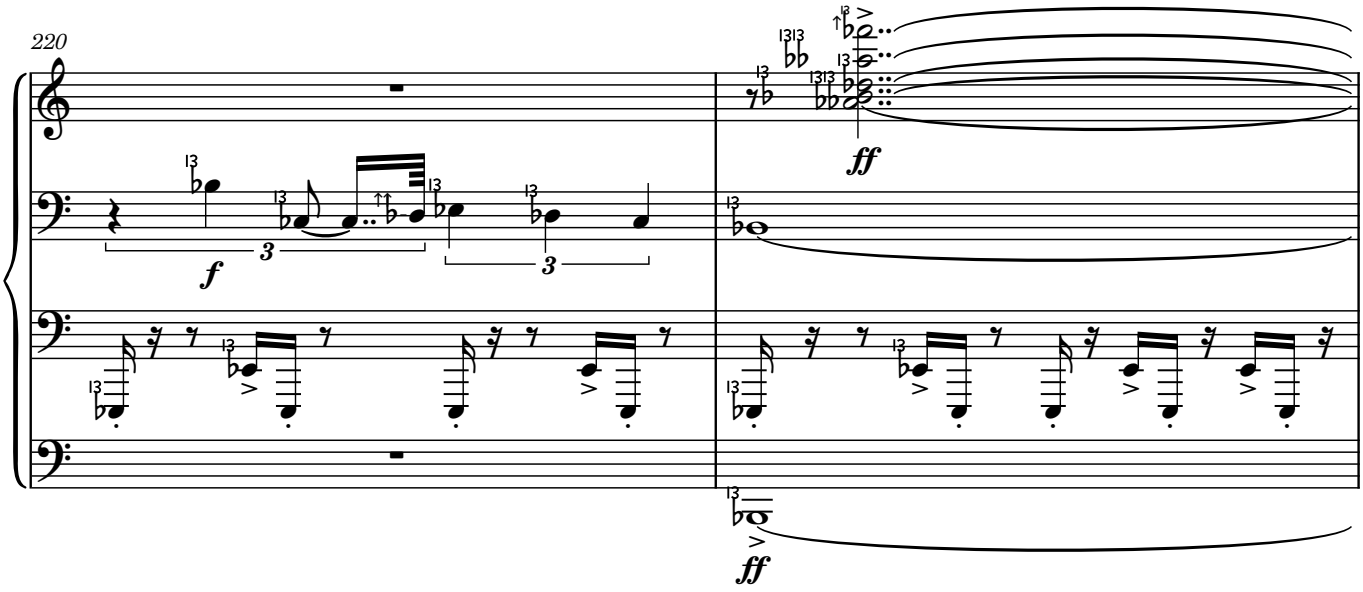

193
196
198
p
7
7
5
5
5
3

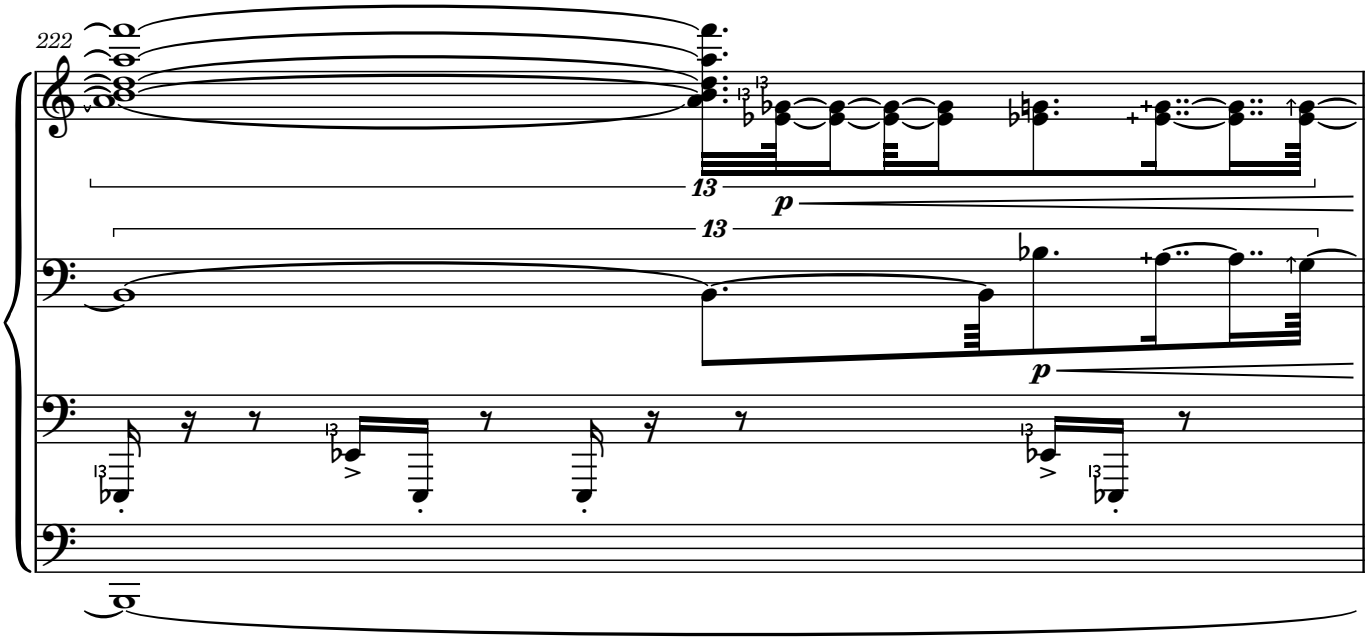

200
f
17
203
mp
206
13
p
7
p
5
p
17
ff
ff
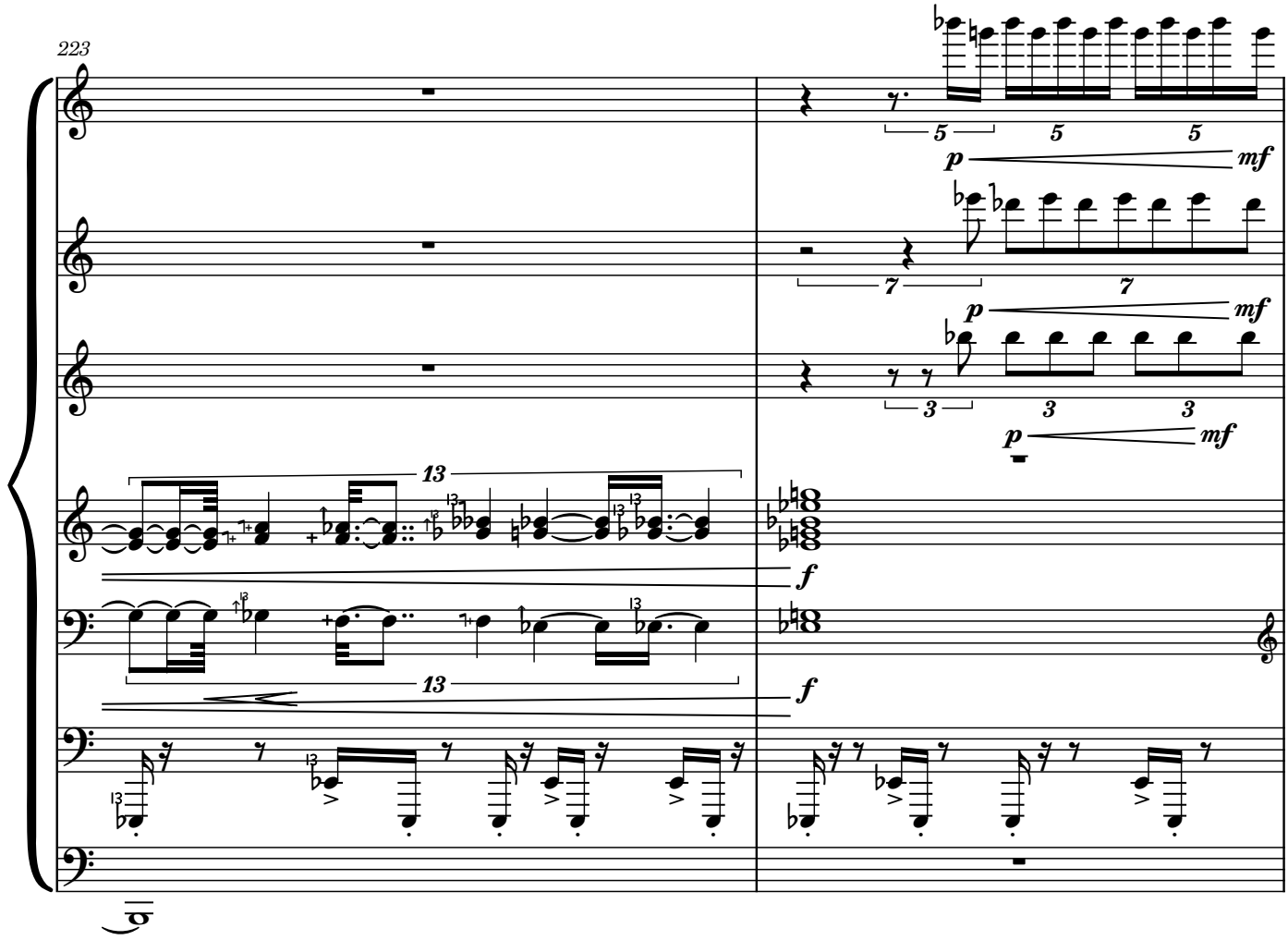

208
17
p
15
p
11
p
9
p
13
7
p

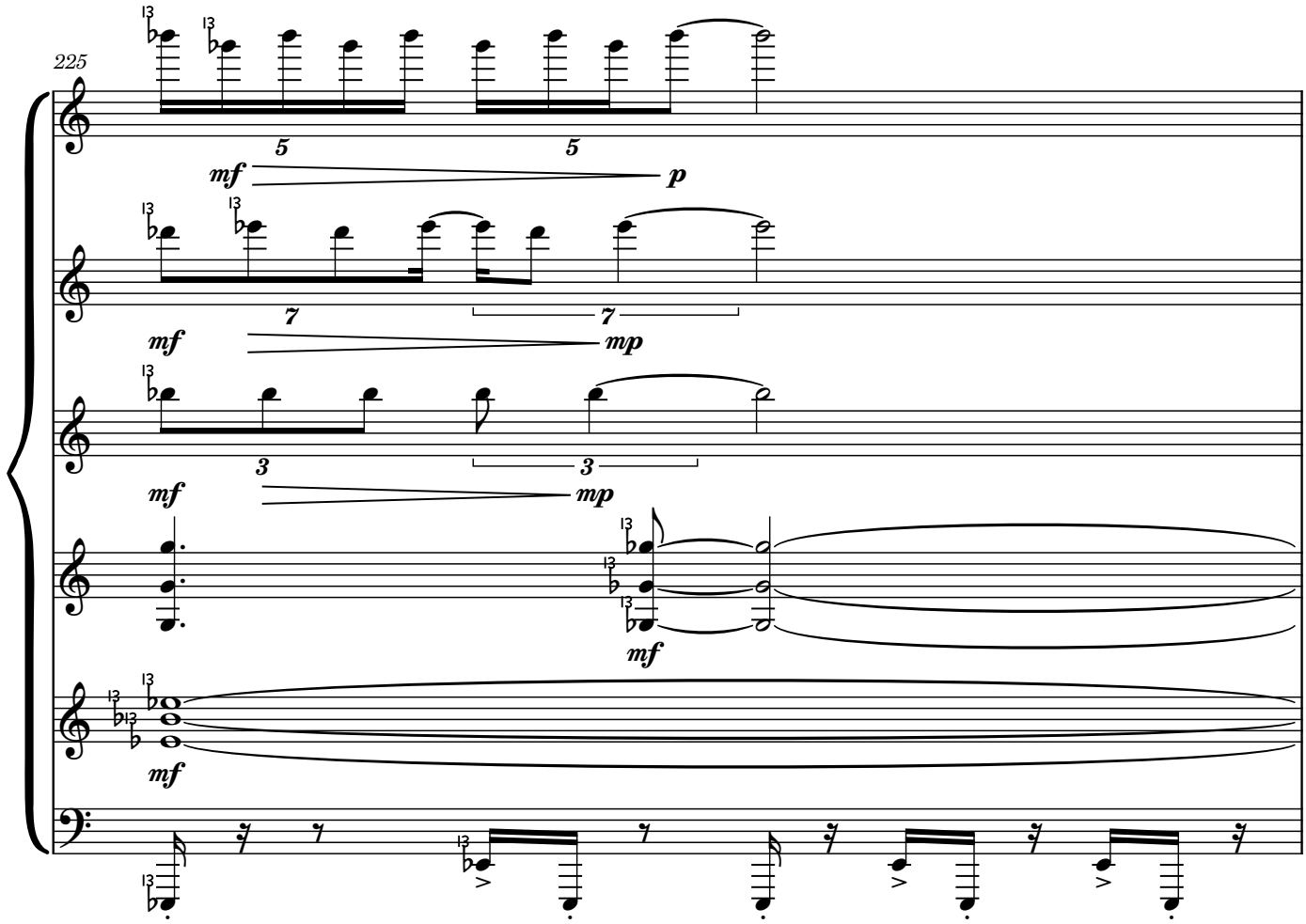

210
15
p
15
11
9
p
13
7
5
3
ff
ff

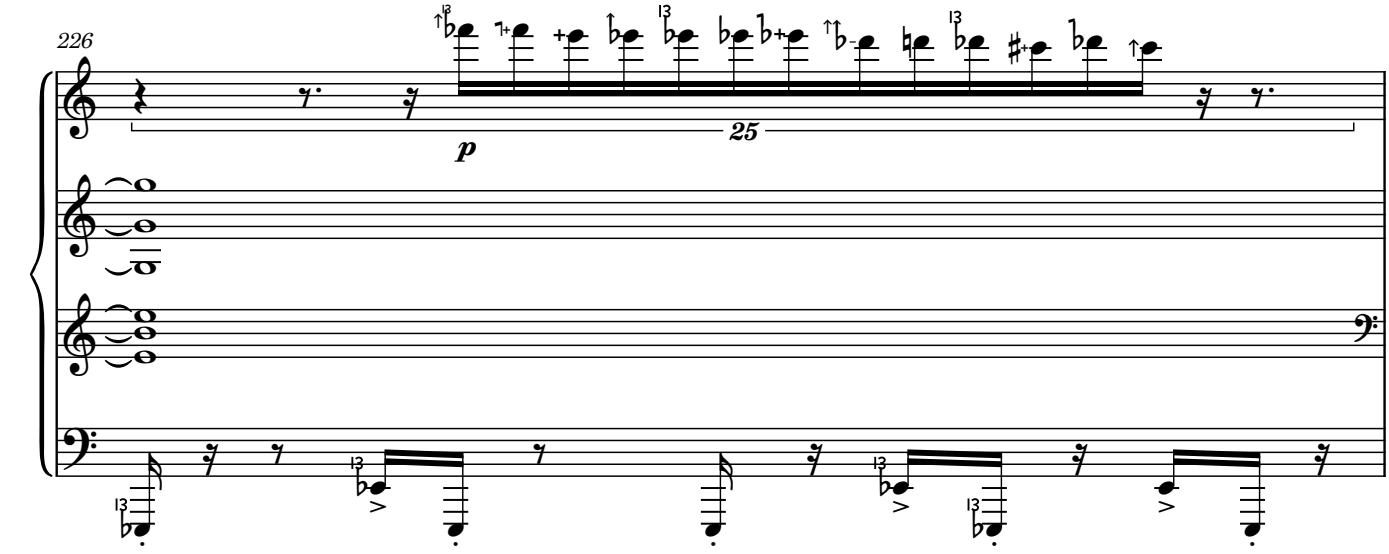

212
mp
215
13
3
f
mp
218
13
p
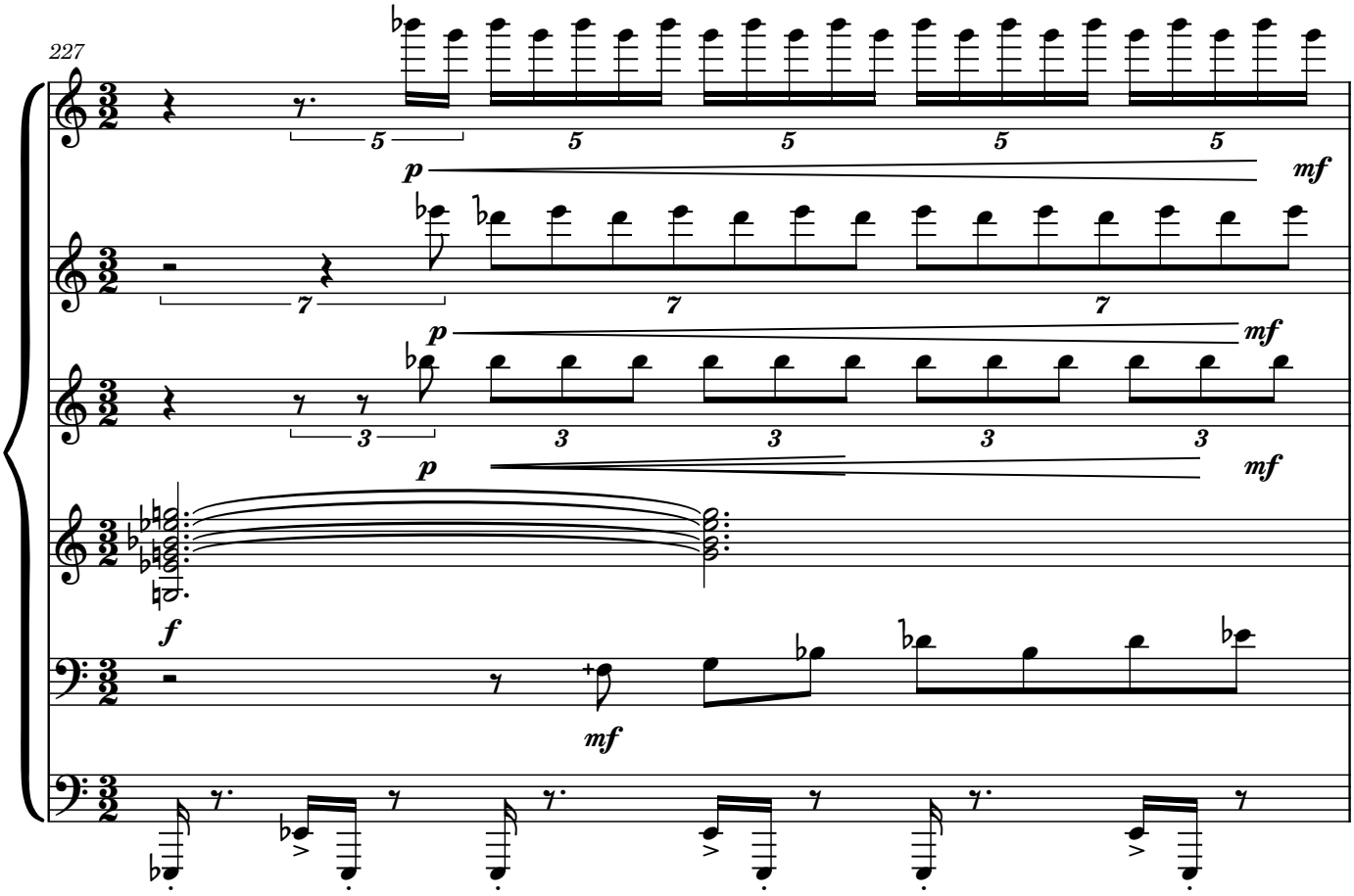

220
f
3
3
ff
ff
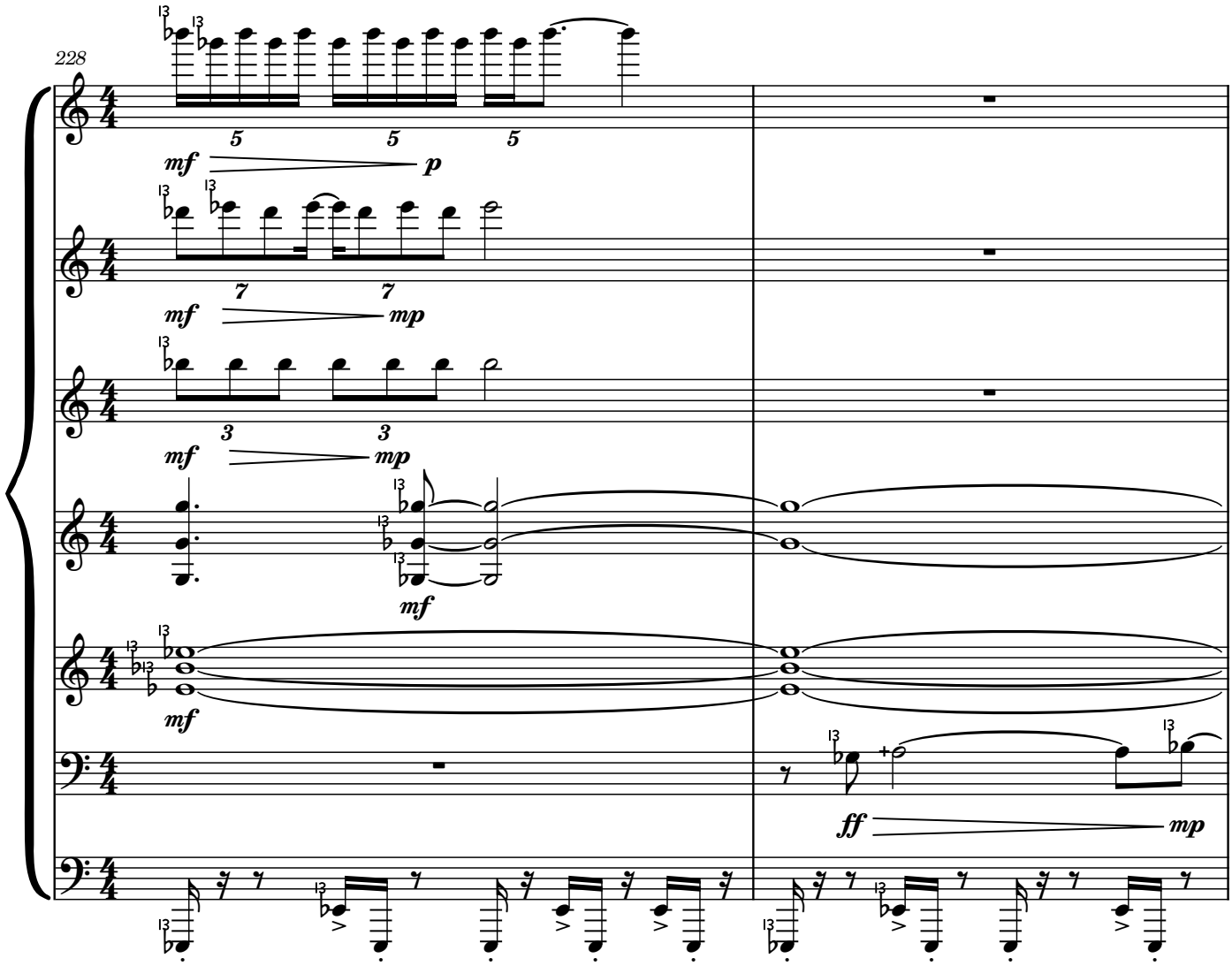

222
13
p
13
p

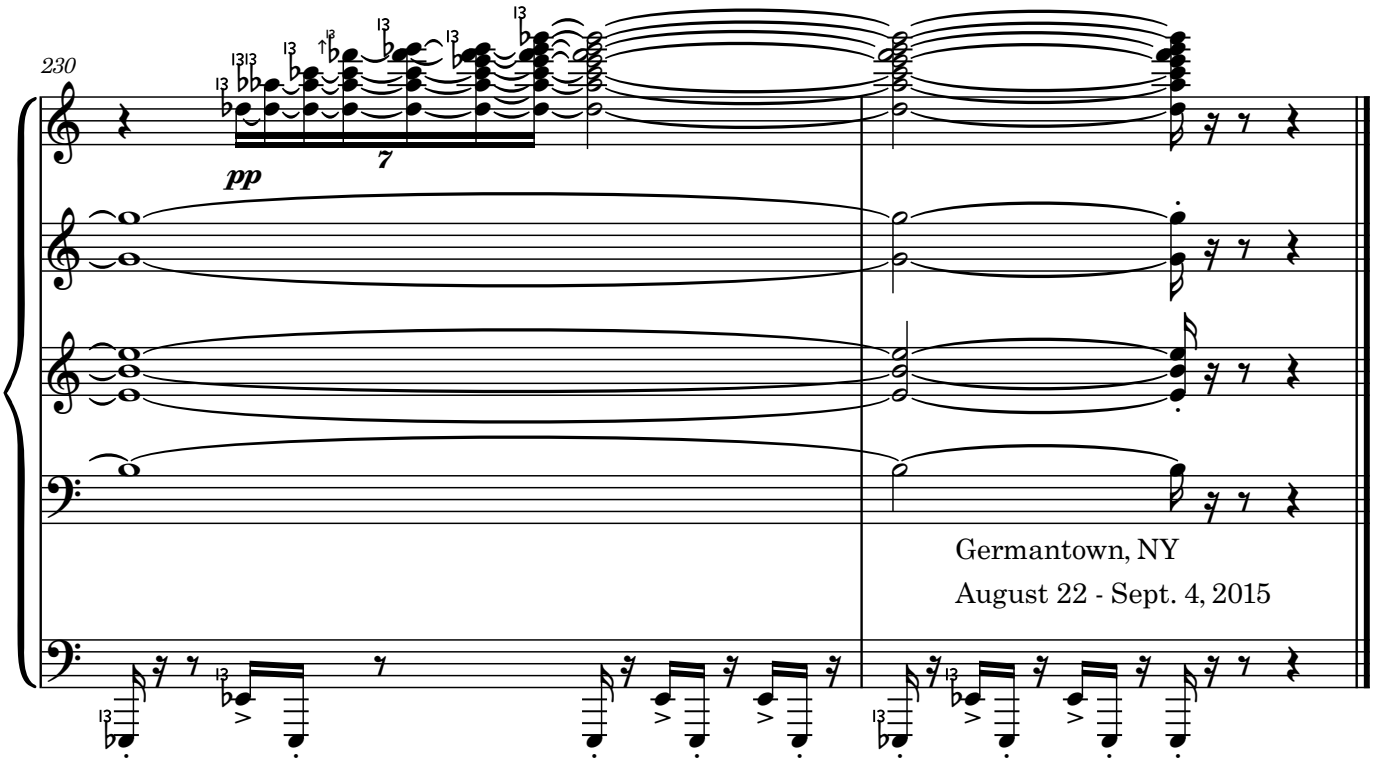

223
5
5
5
p
mf
7
7
p
mf
3
3
3
p
mf
13
f
13
f


225
5
5
mf
p
7
7
mf
mp
3
3
mf
mp
mf
mf


226
25
p
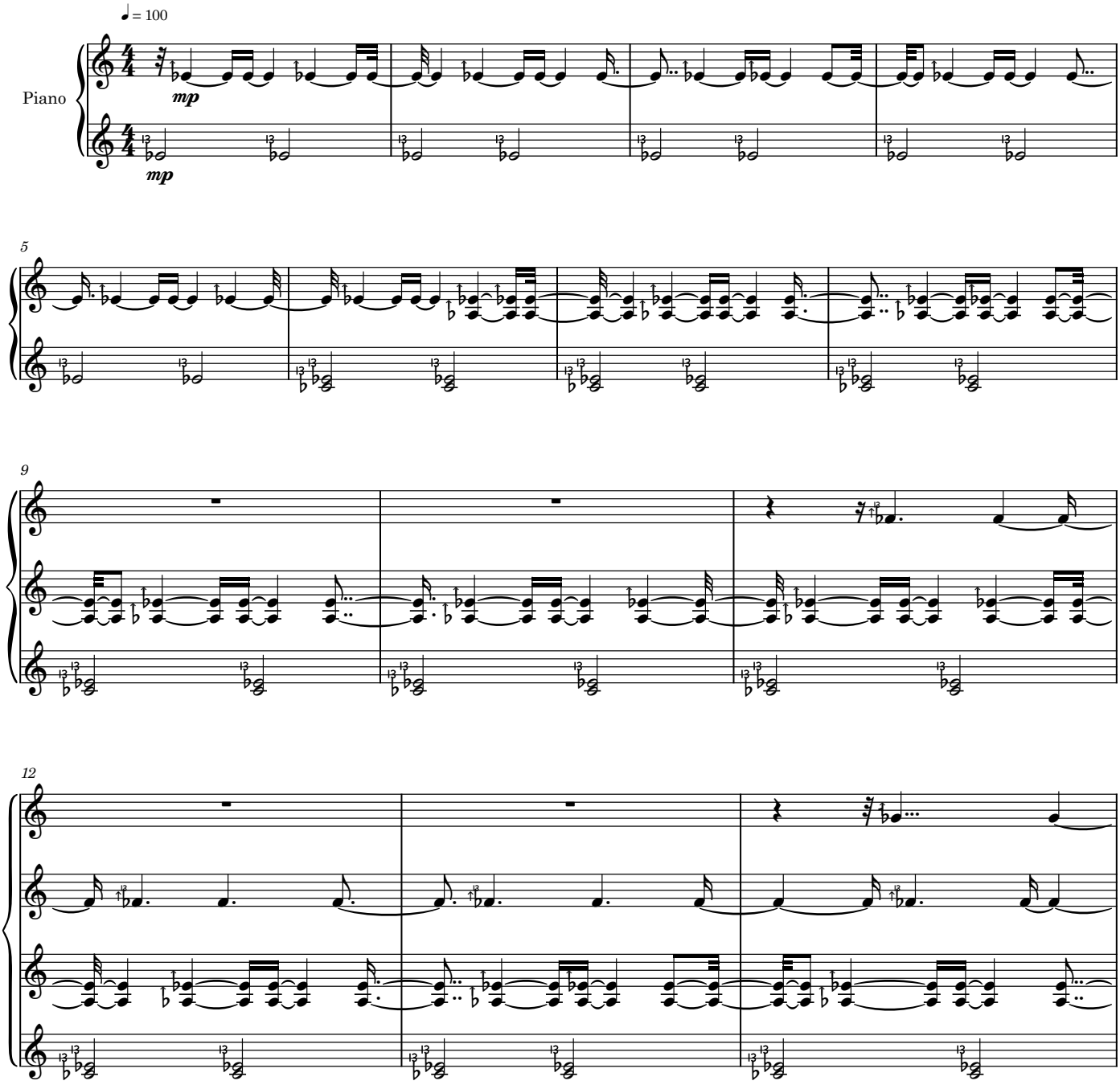

227
p
mf
p
mf
p
mf
f
mf


228
mf
p
mf
mp
mf
mp
mf
mf
ff
mp
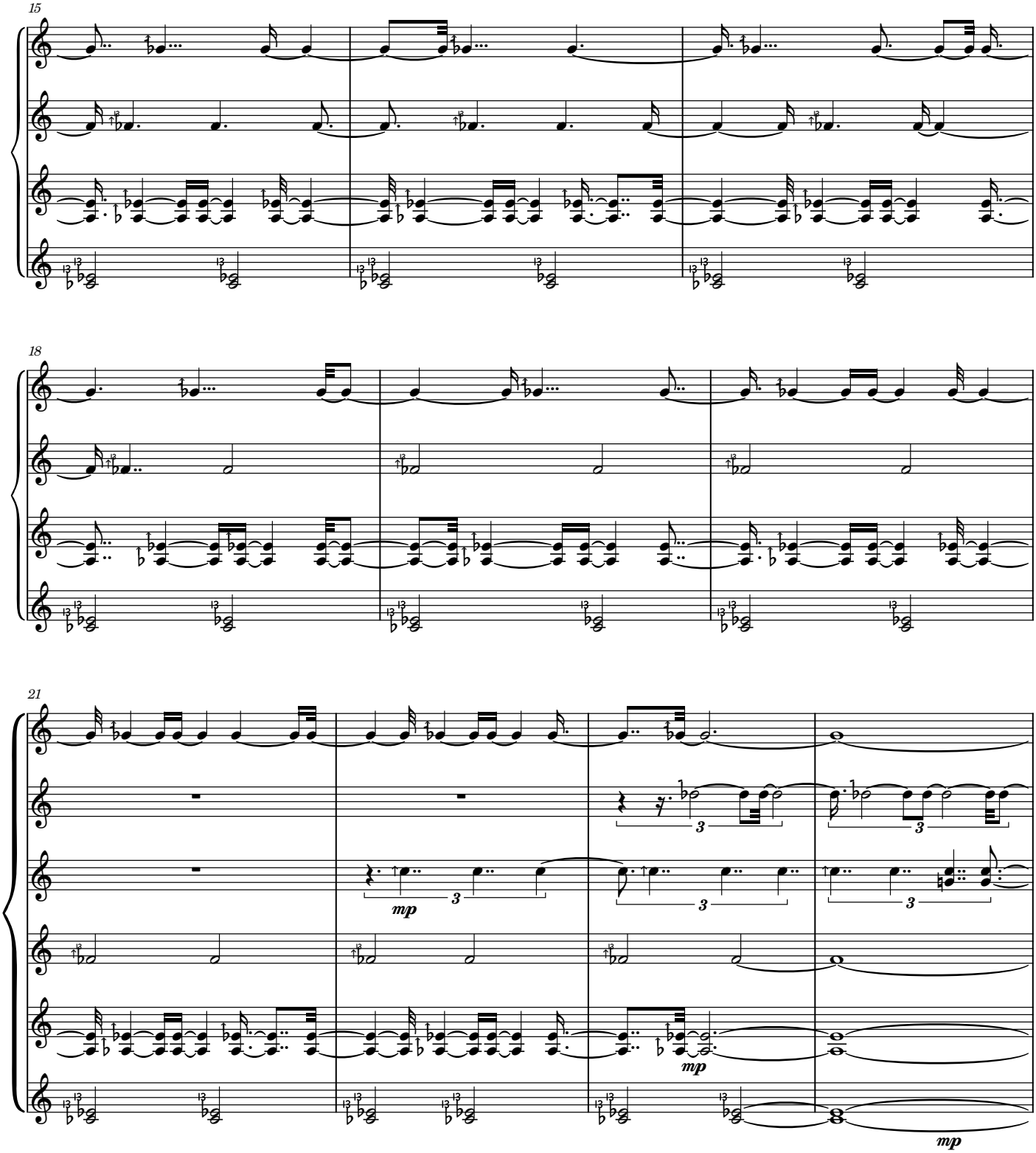

230
pp
7
Germantown, NY
August 22 - Sept. 4, 2015
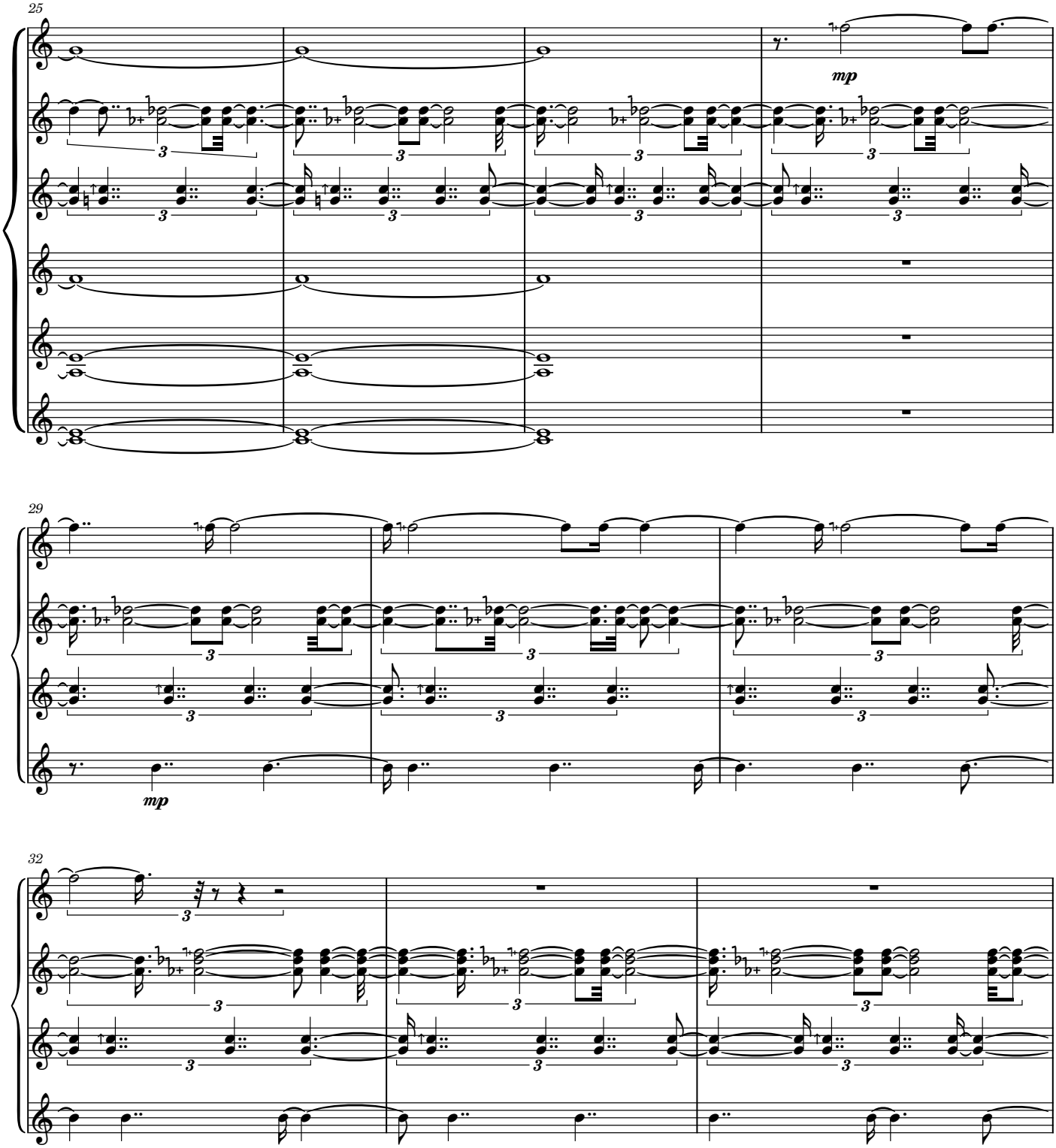
Orbital Resonance
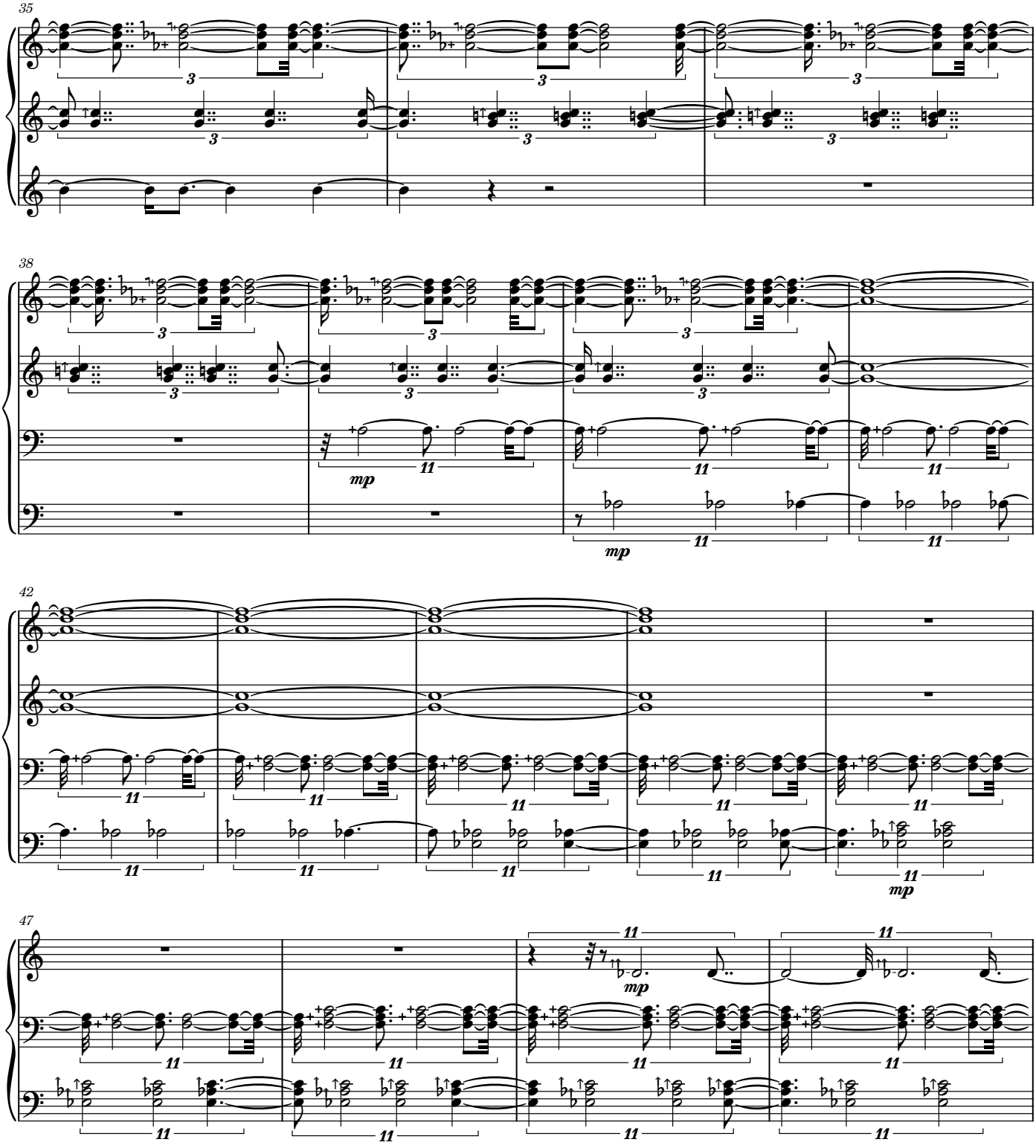
Kyle Gann
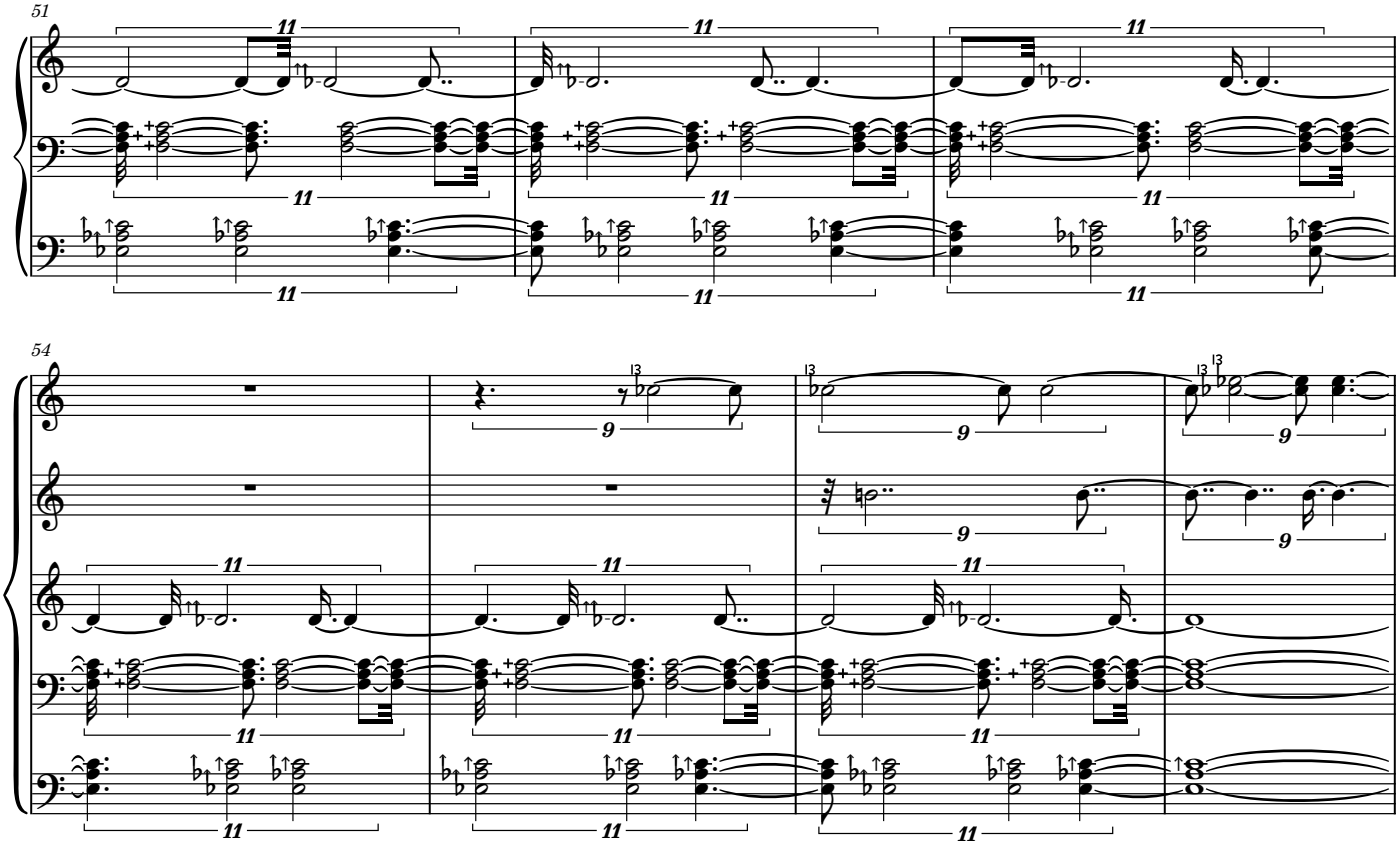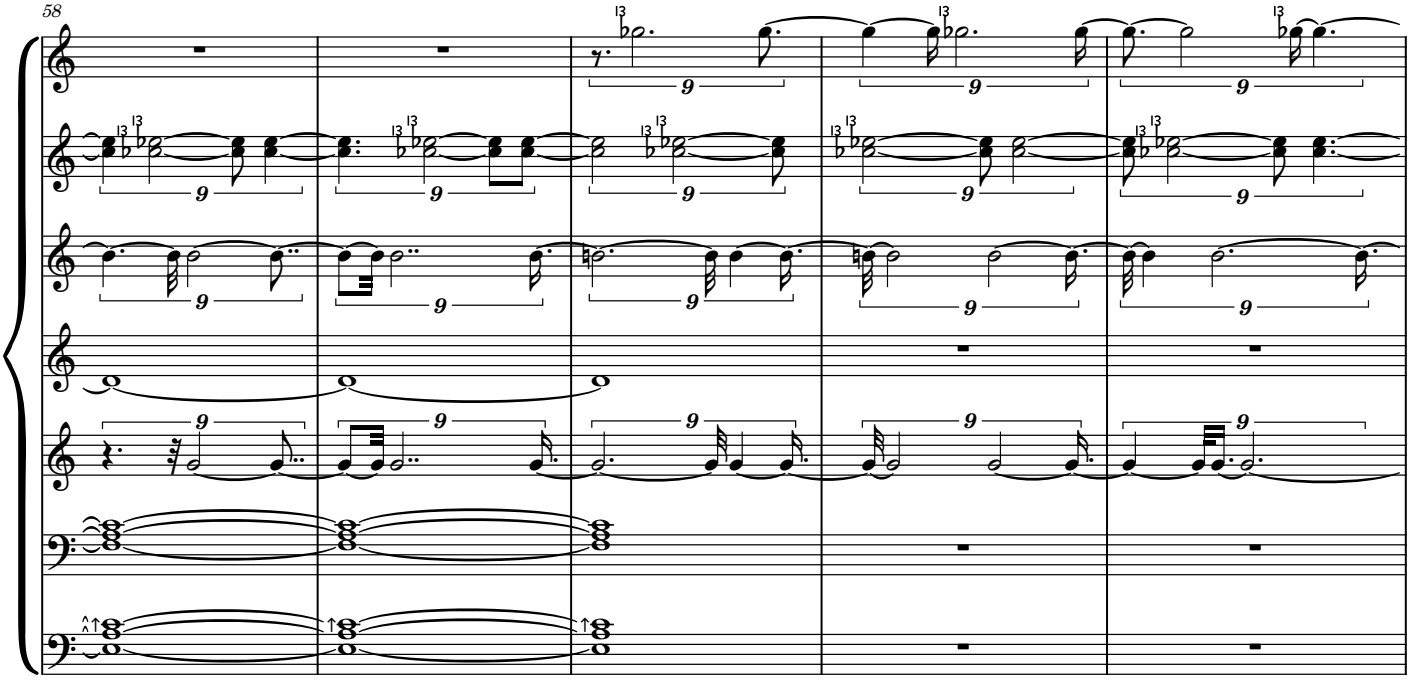


© 2015 Smith Grabholz Music
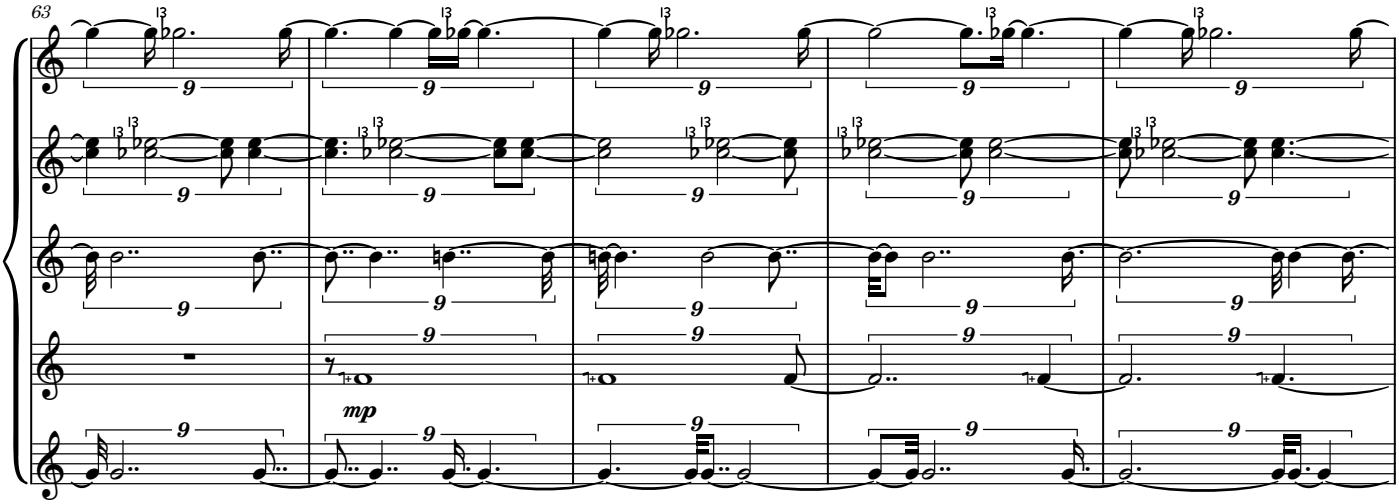

15
18
21
3
3
3
3
mp
mp
mp
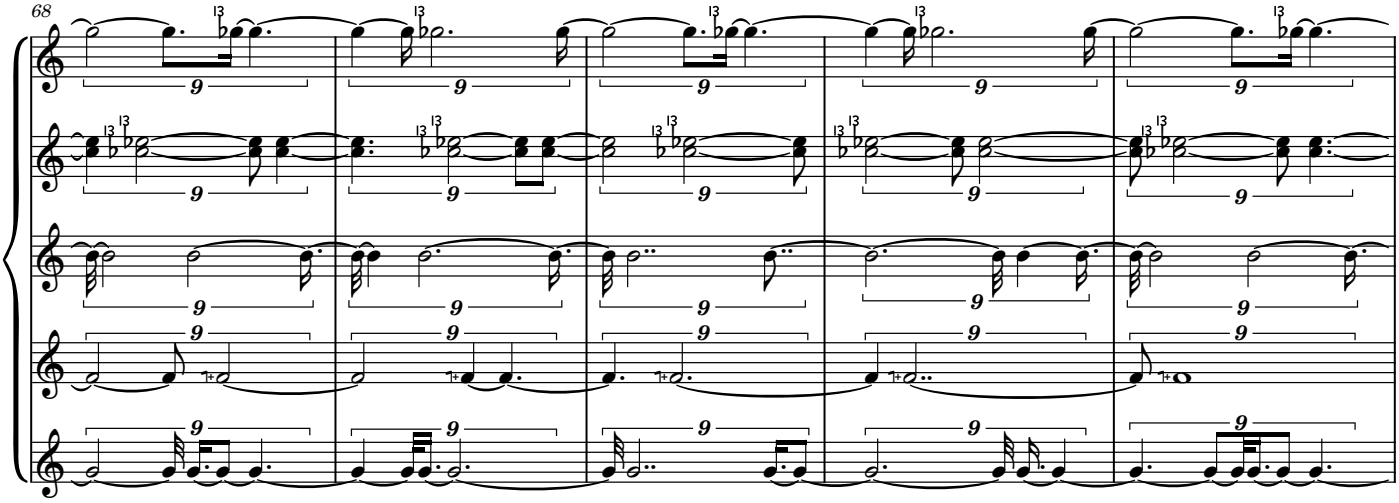

25
mp
29
mp
32

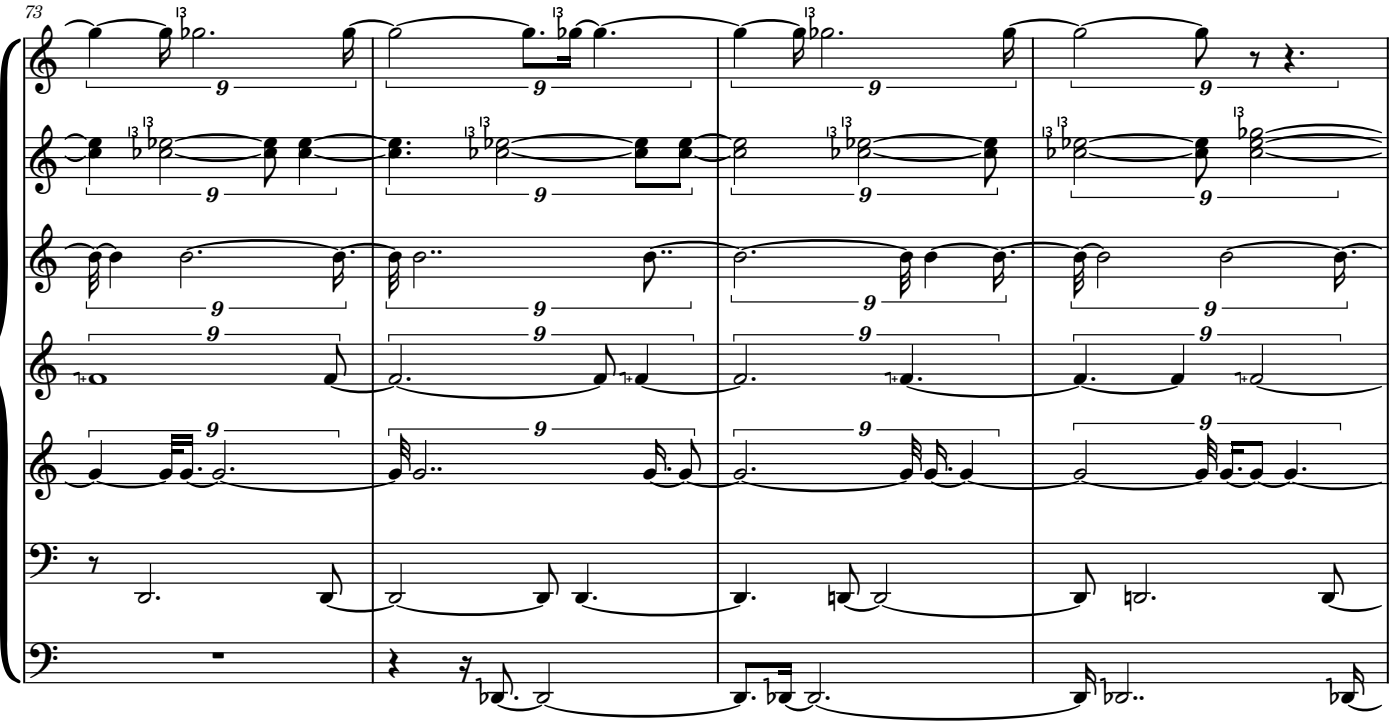

35
38
42
47
mp
mp
mp
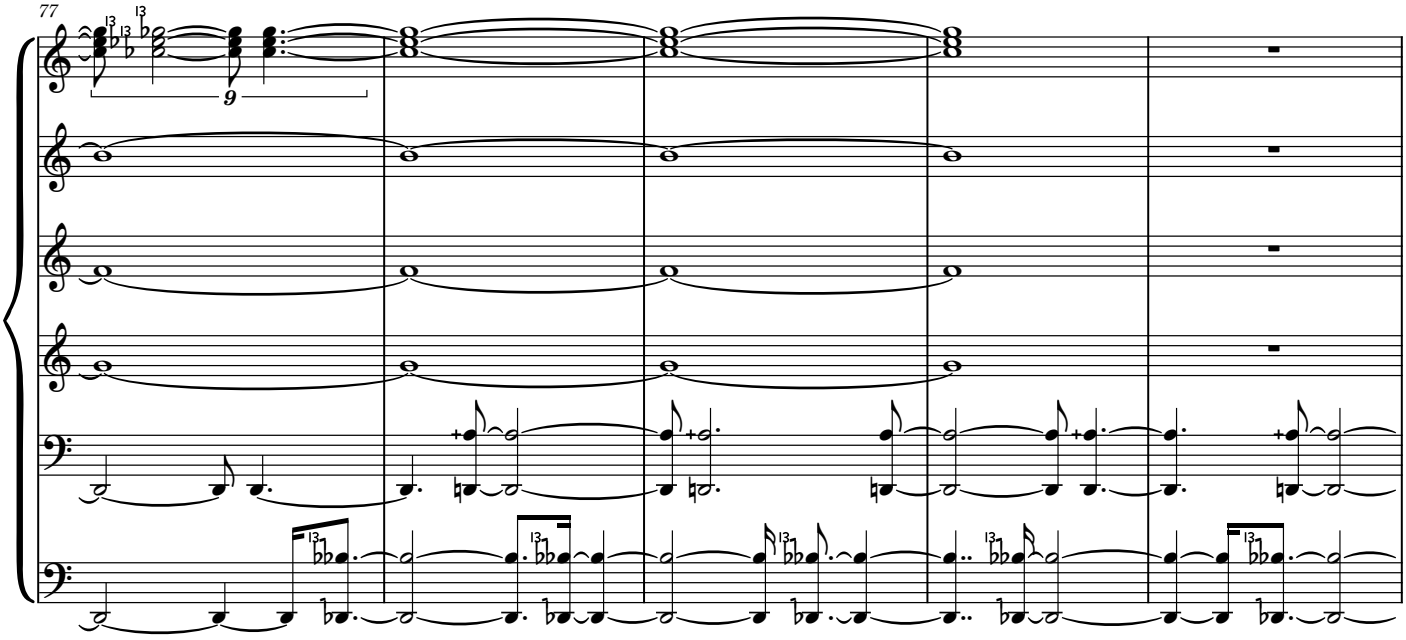

51
11
54
9
13
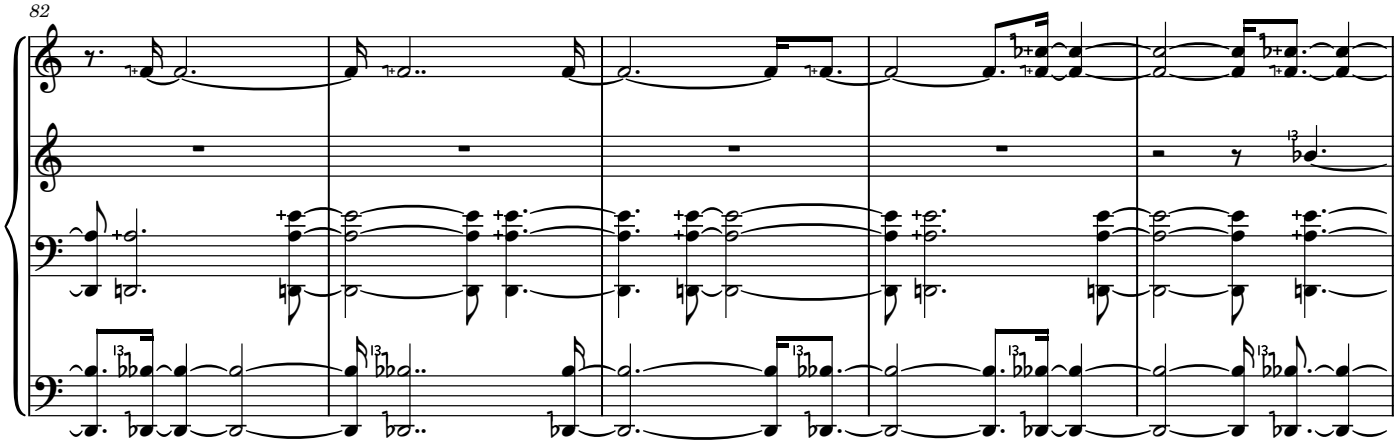

58
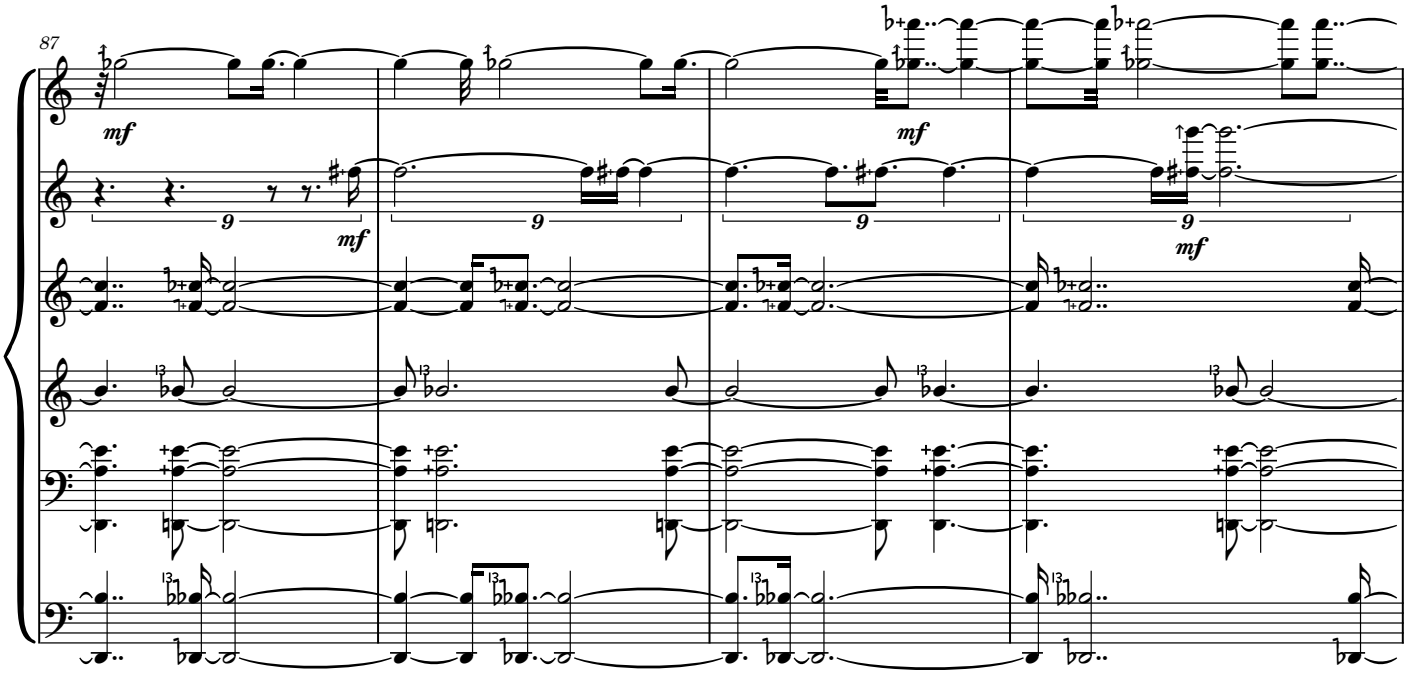

63
mp
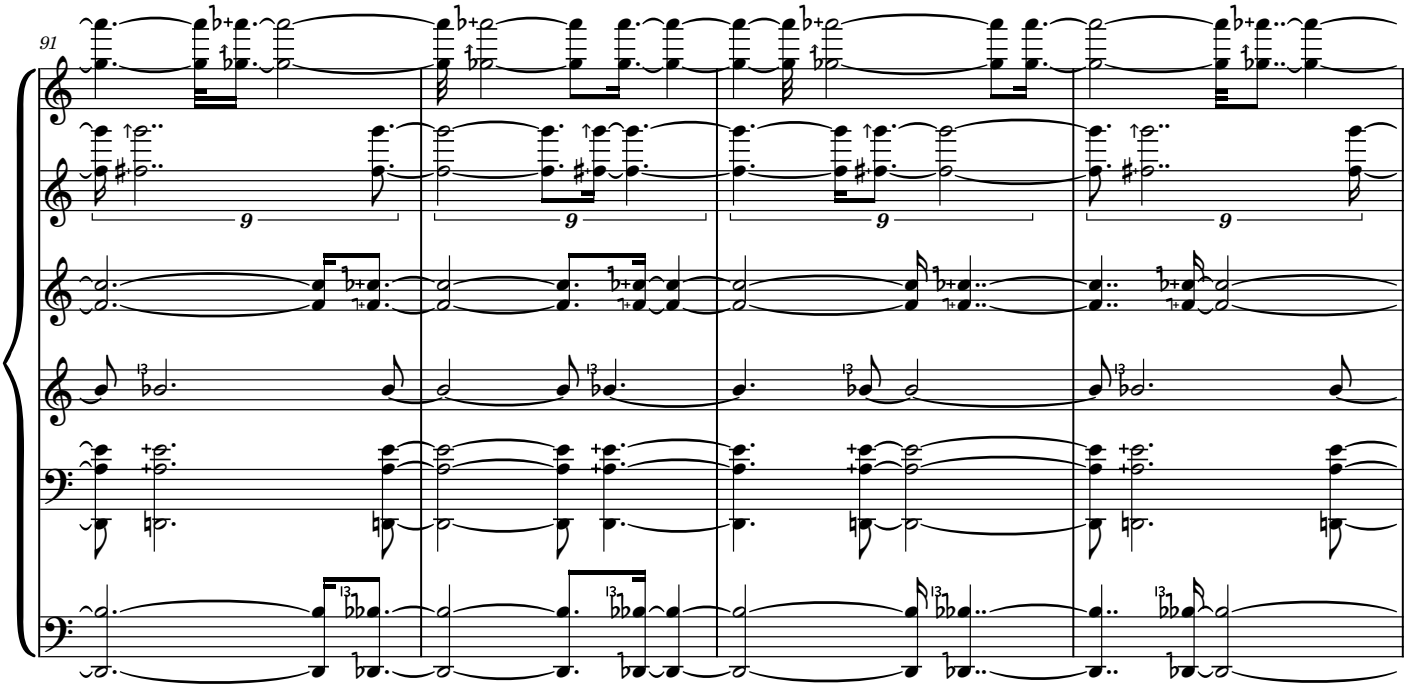

68
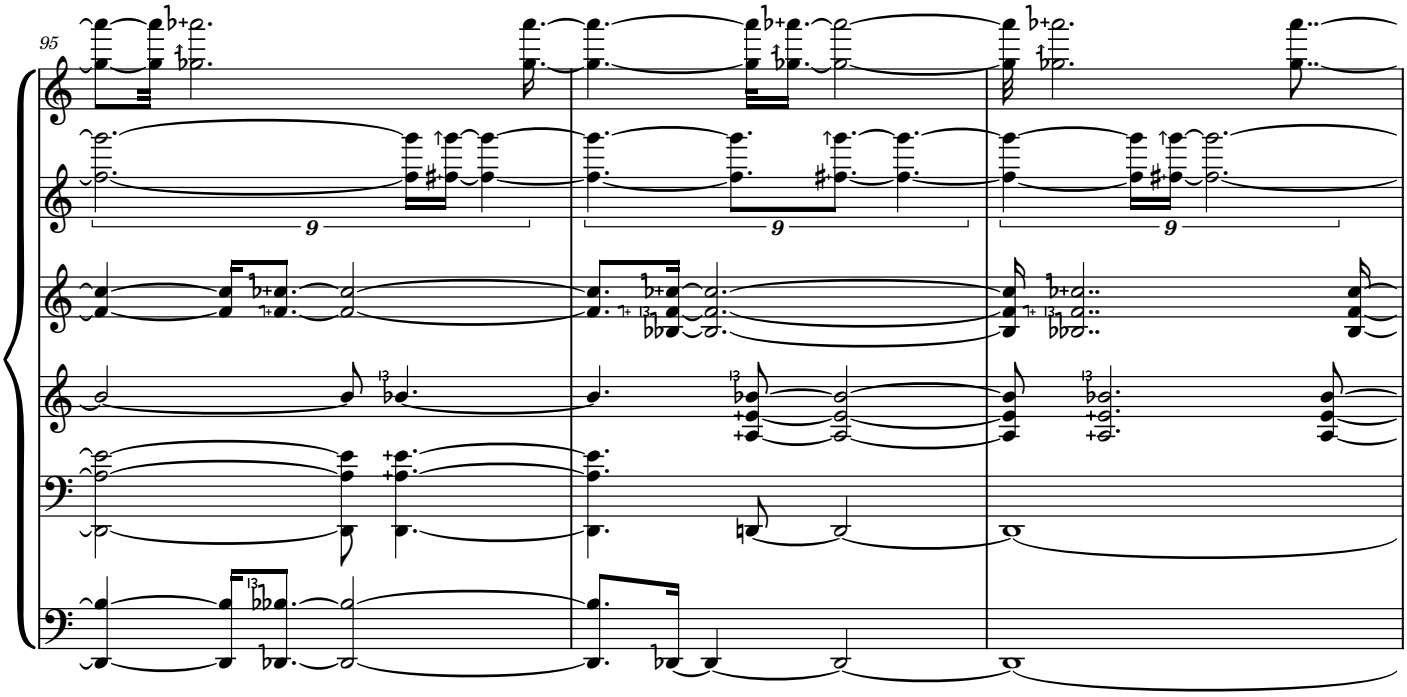

73
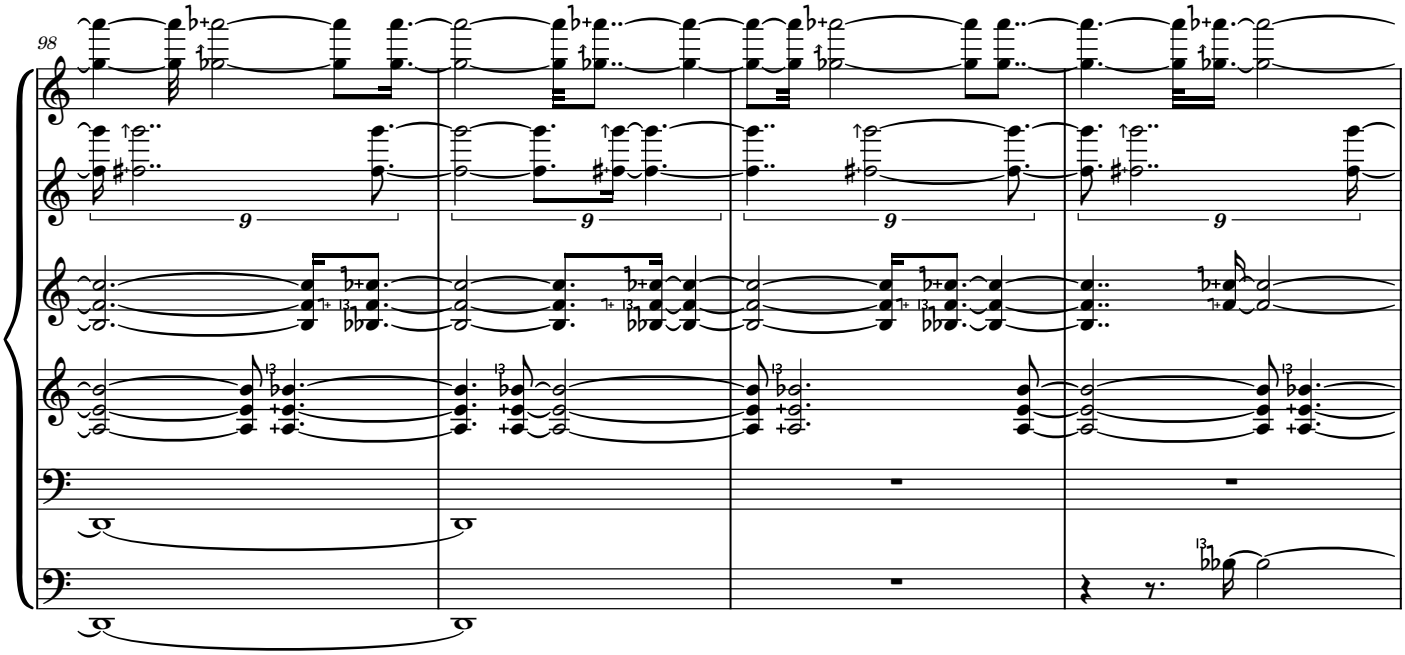

77
9
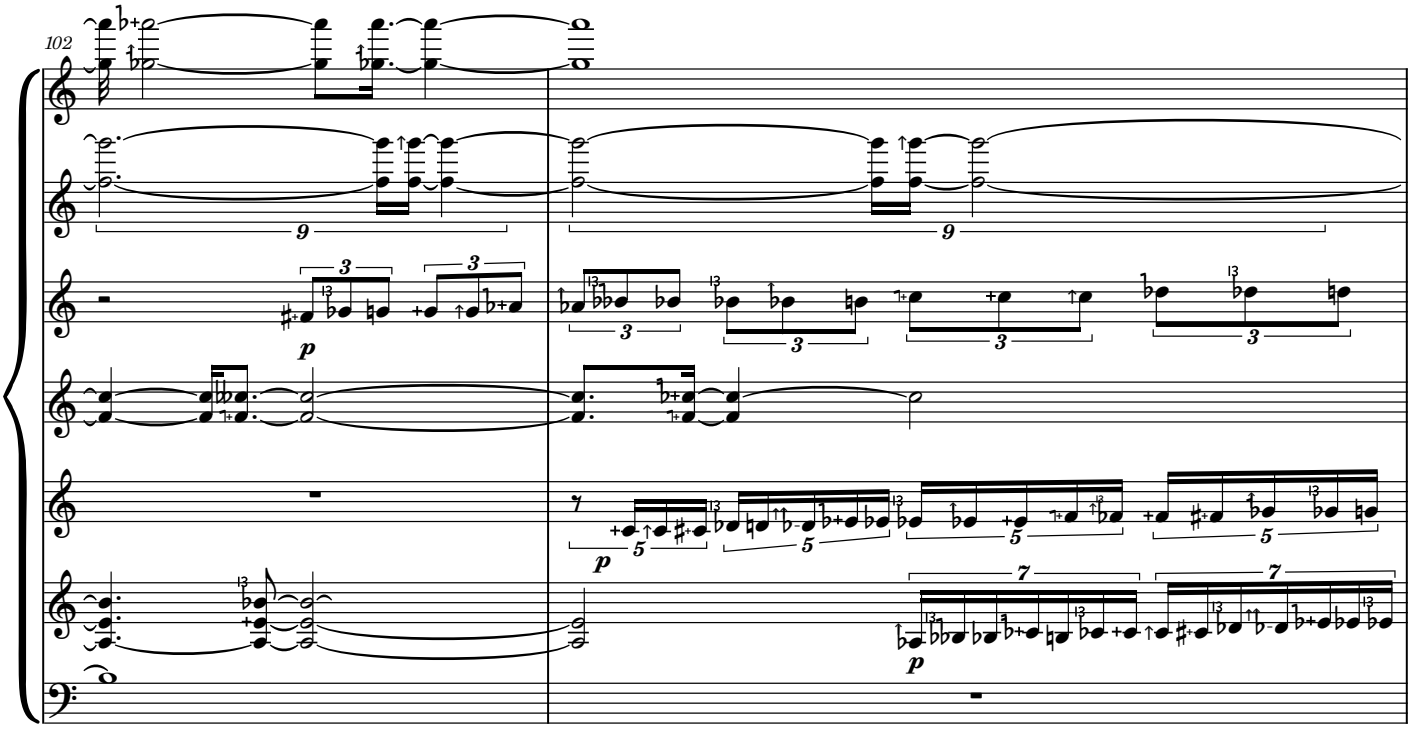

82
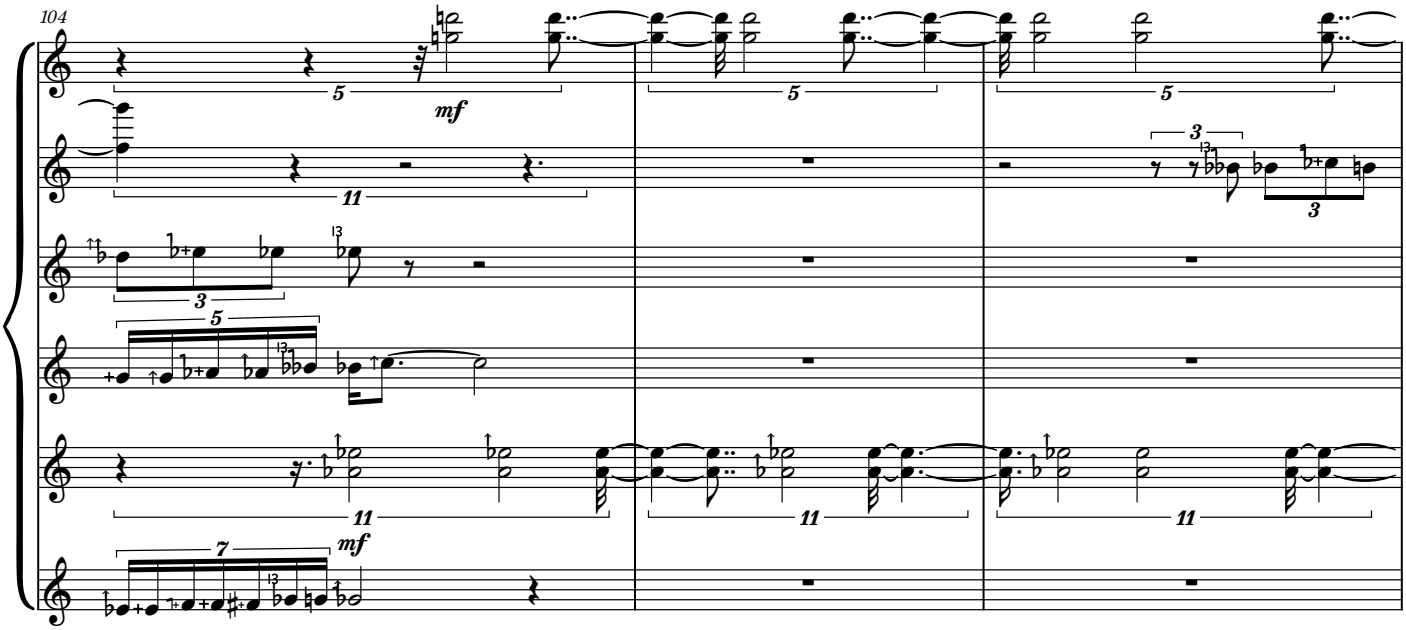

87
mf
mf
mf
mf
9
9
9
9
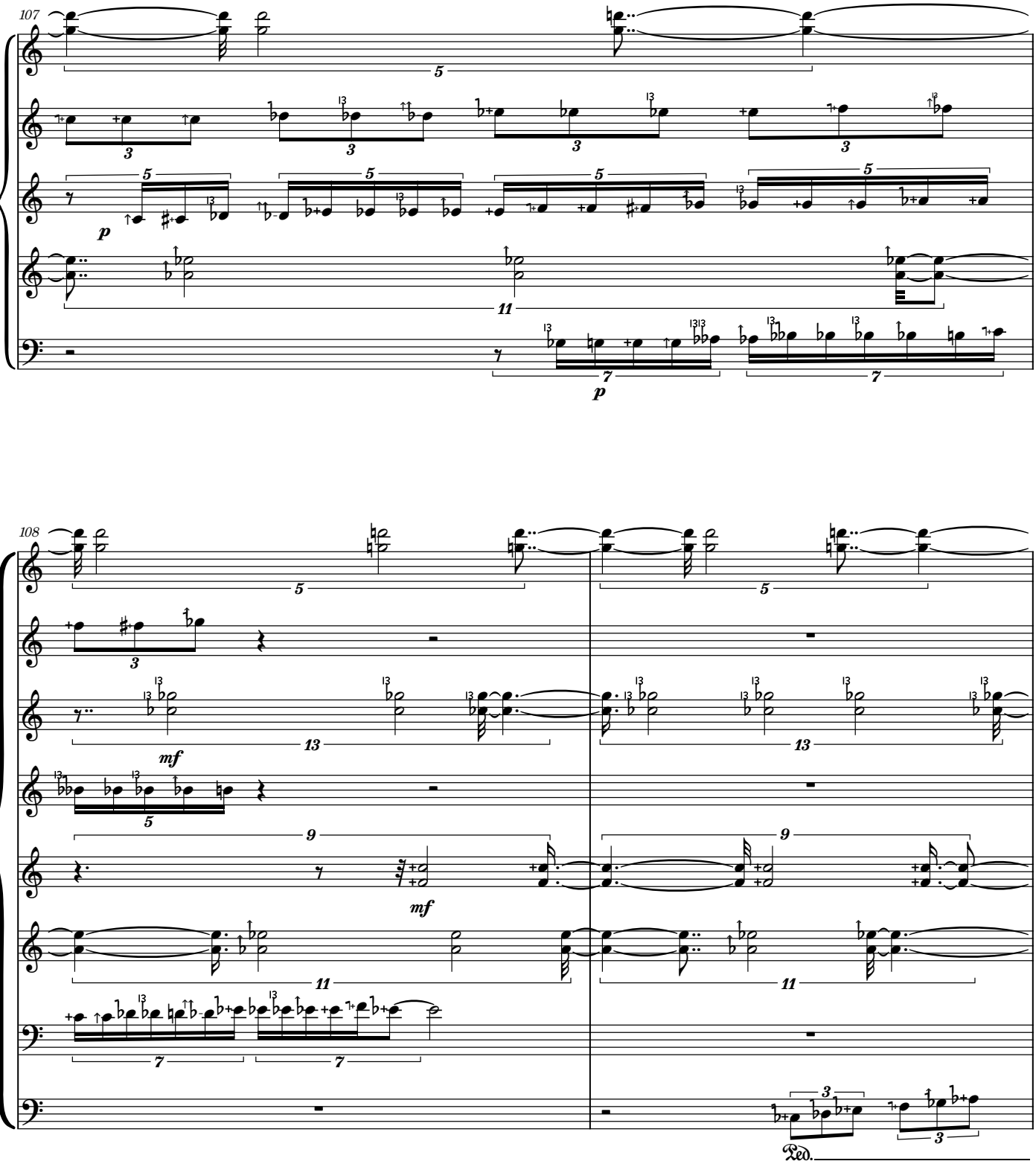

91
9
9
9
9

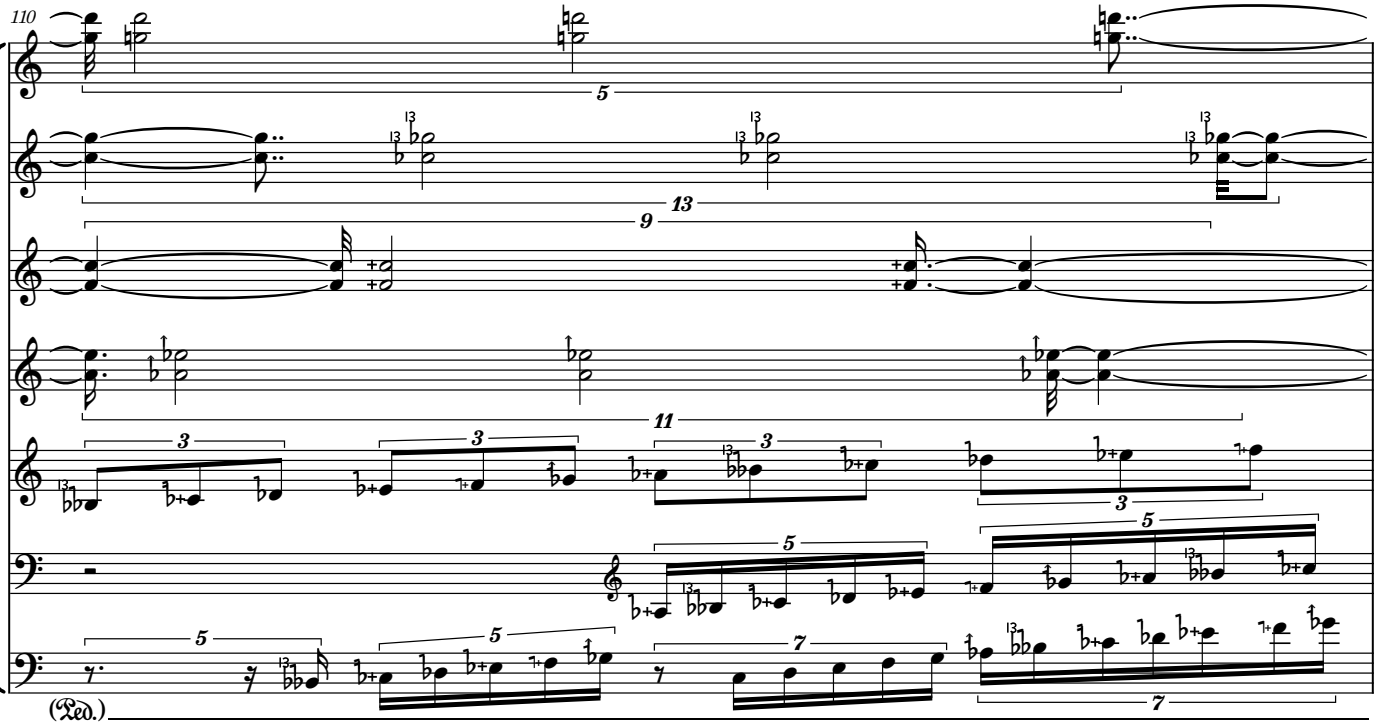

95

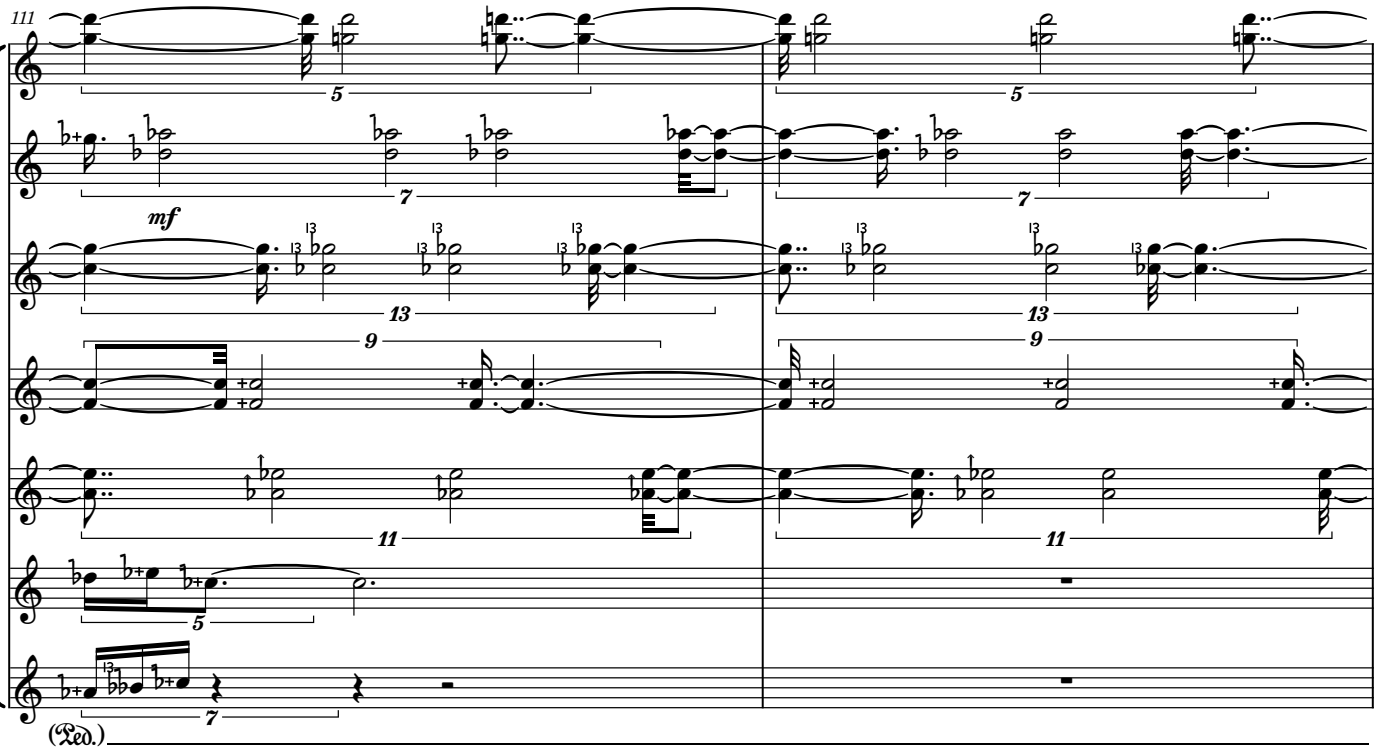

98
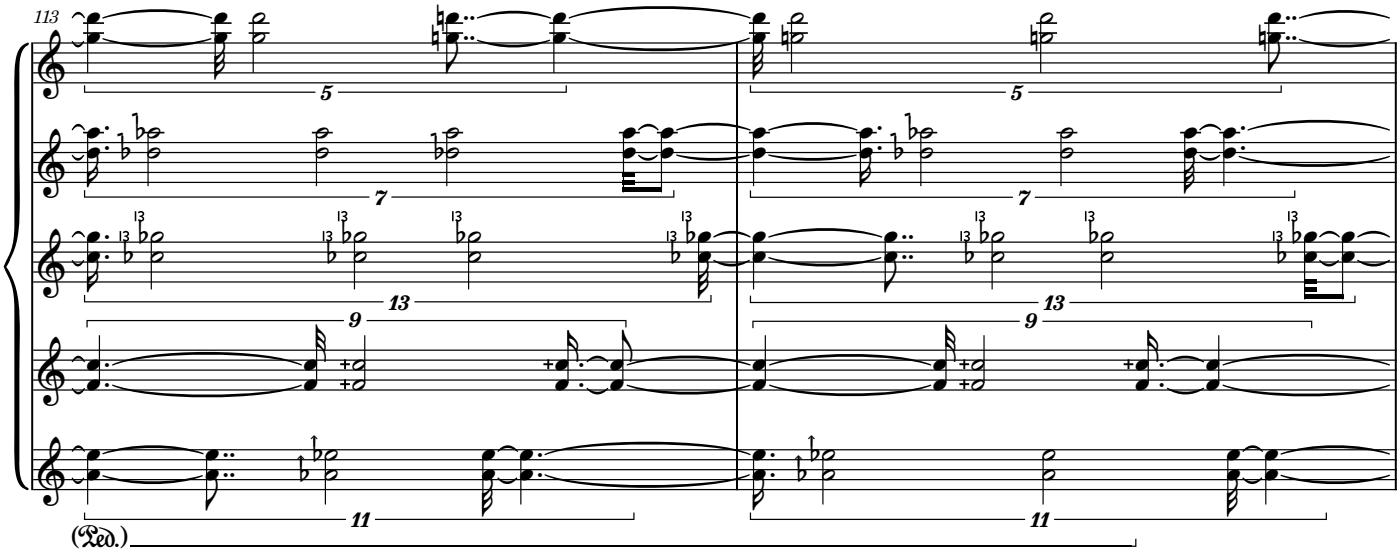

102
9
9
3
3
p
3
3
3
5
5
5
5
p
7
7
p
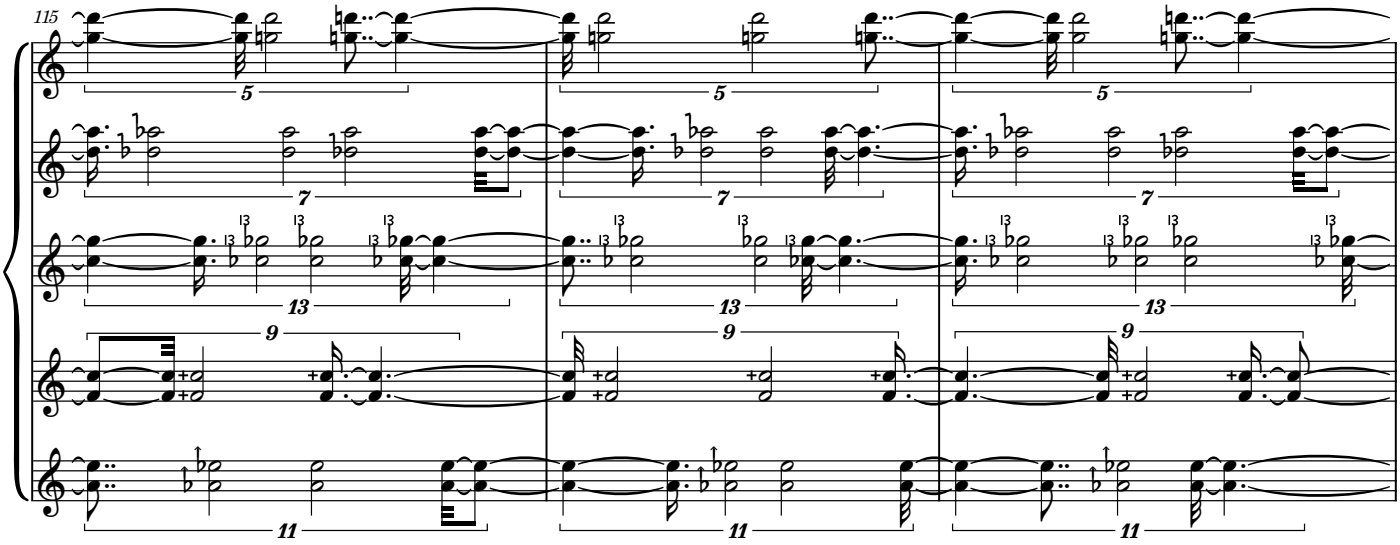

104
5
5
5
mf
11
3
3
5
11
11
11
7
mf
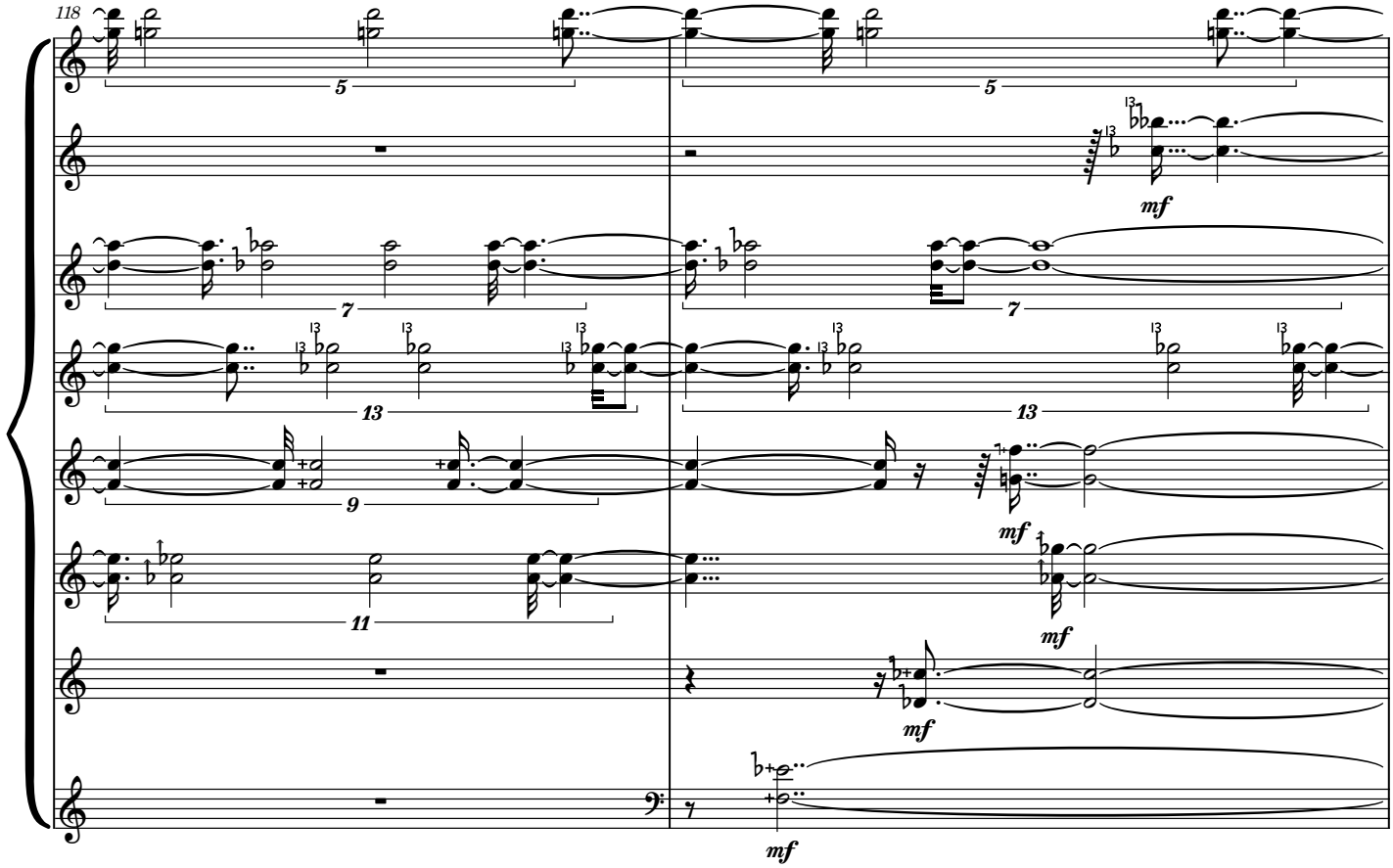

107
108
p
mf
Ped.

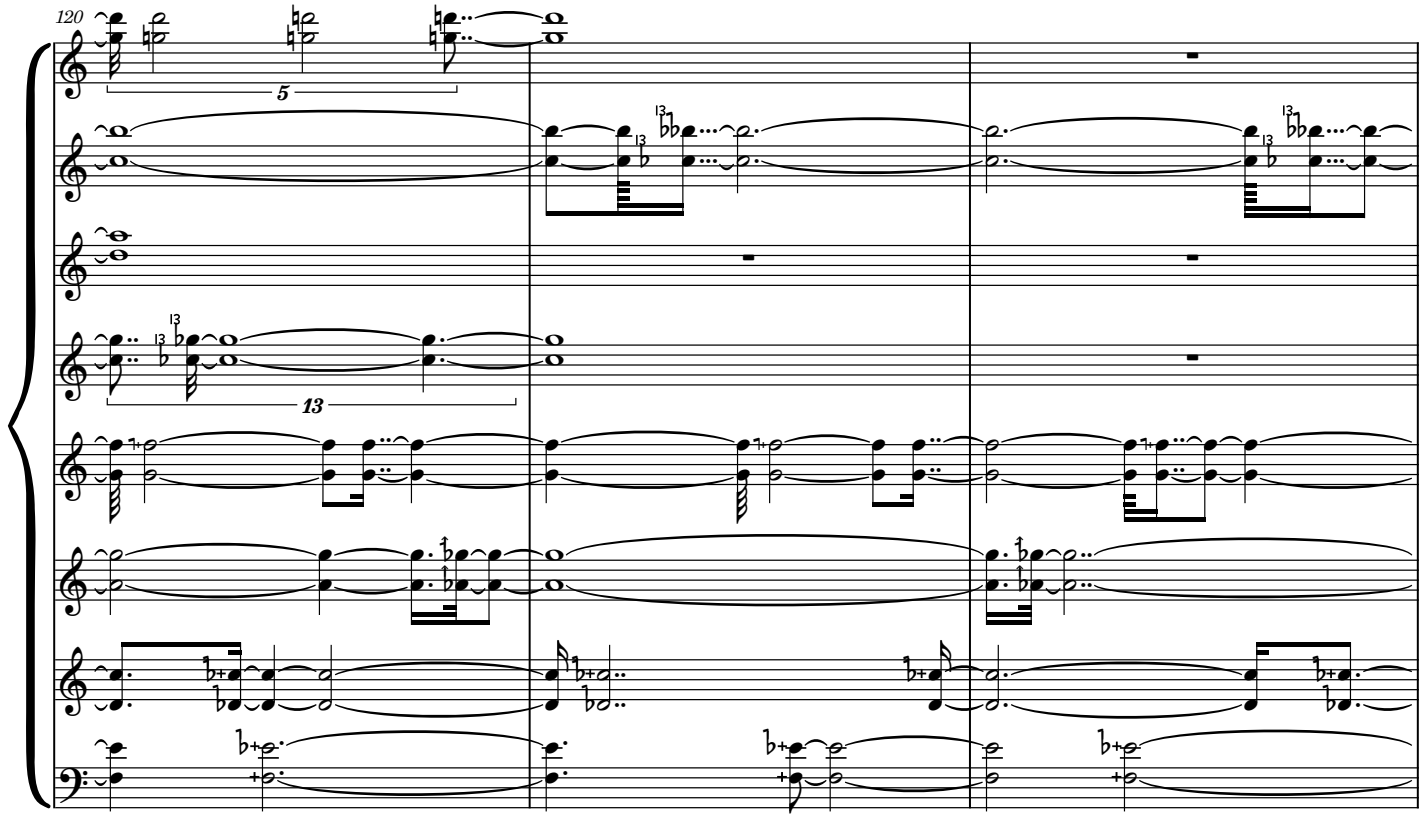

110
(Ped.)
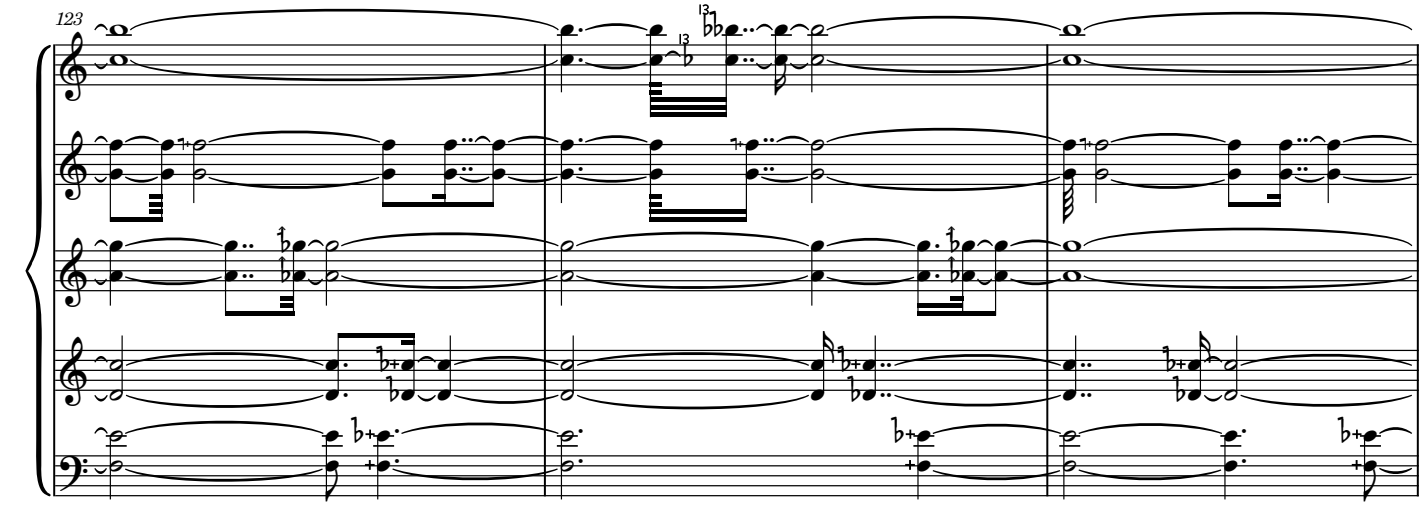

111
mf
(Ped.)
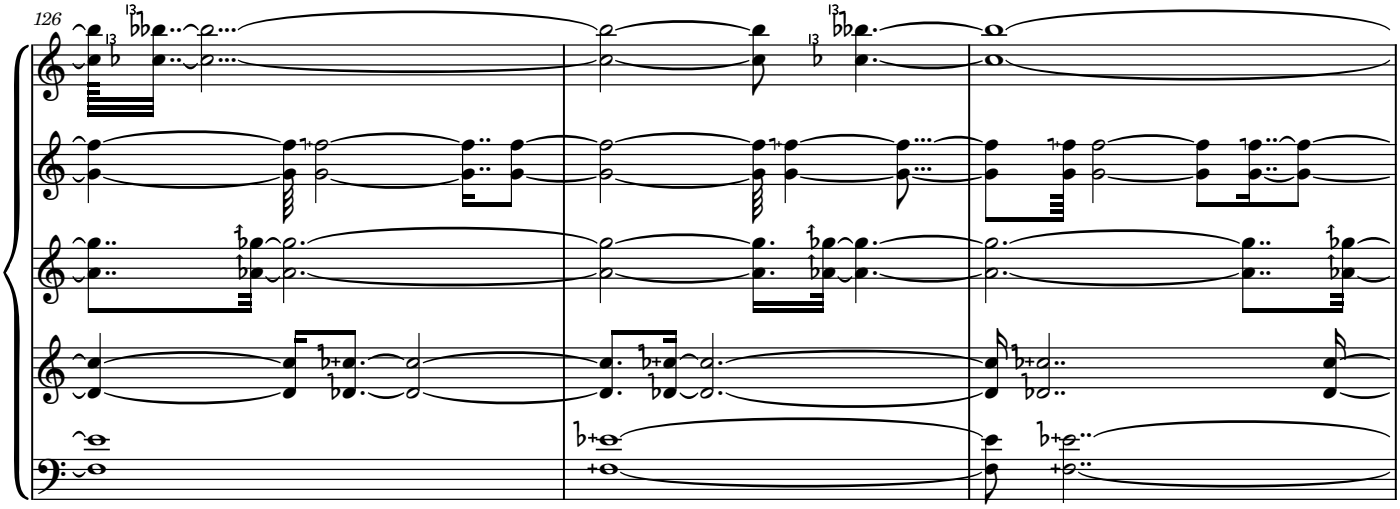

113
5
7
13
9
11
(Ped.)
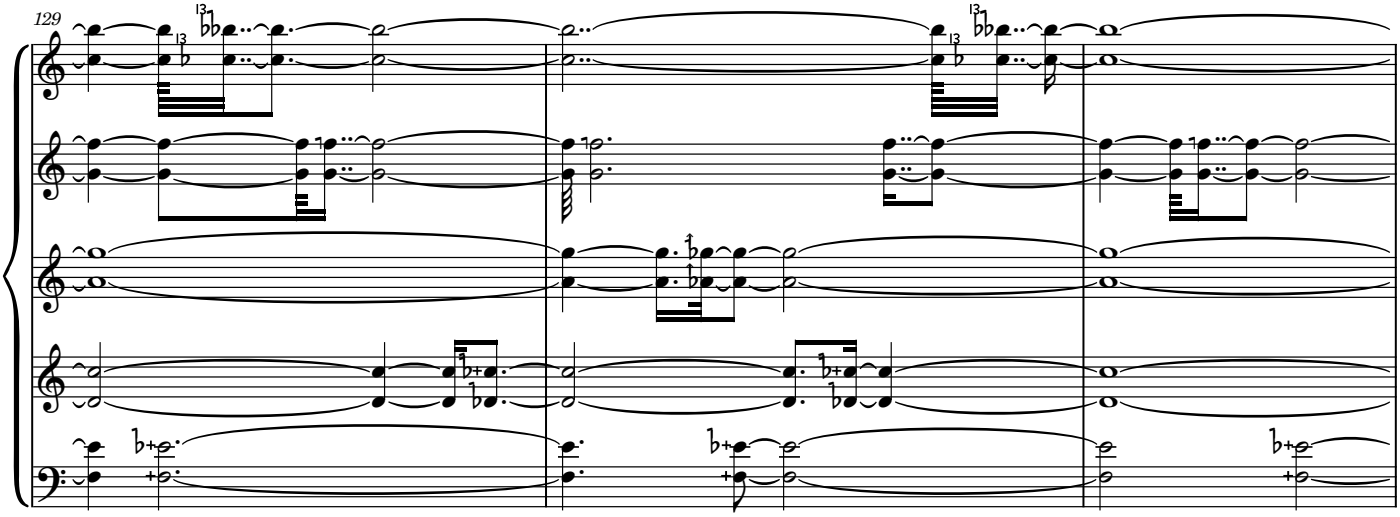

115
5
7
13
9
11
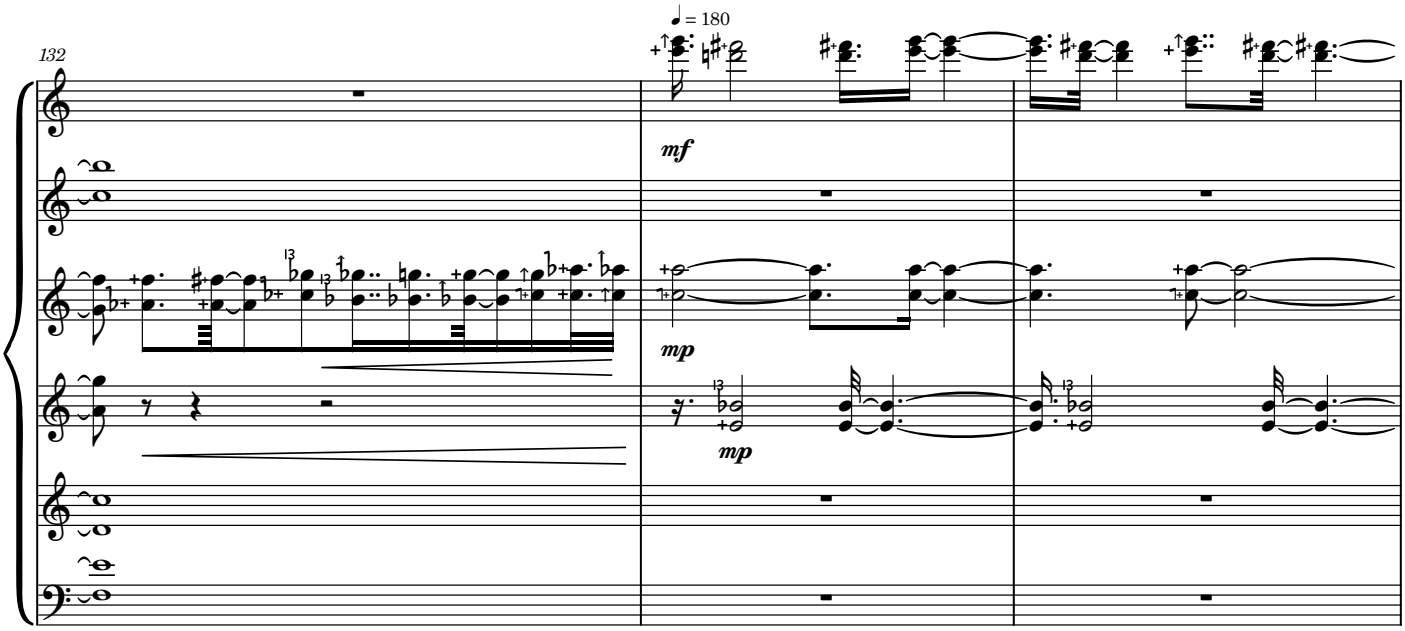

118
5
5
mf
7
7
13
13
9
mf
11
mf
mf
mf
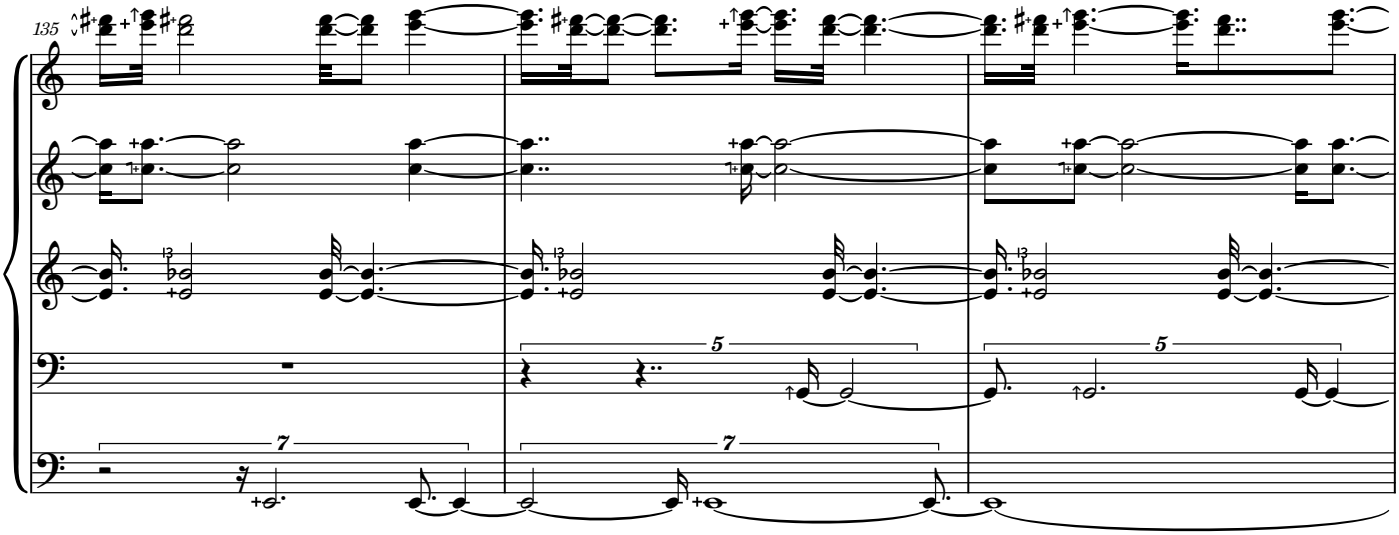

120
5
13
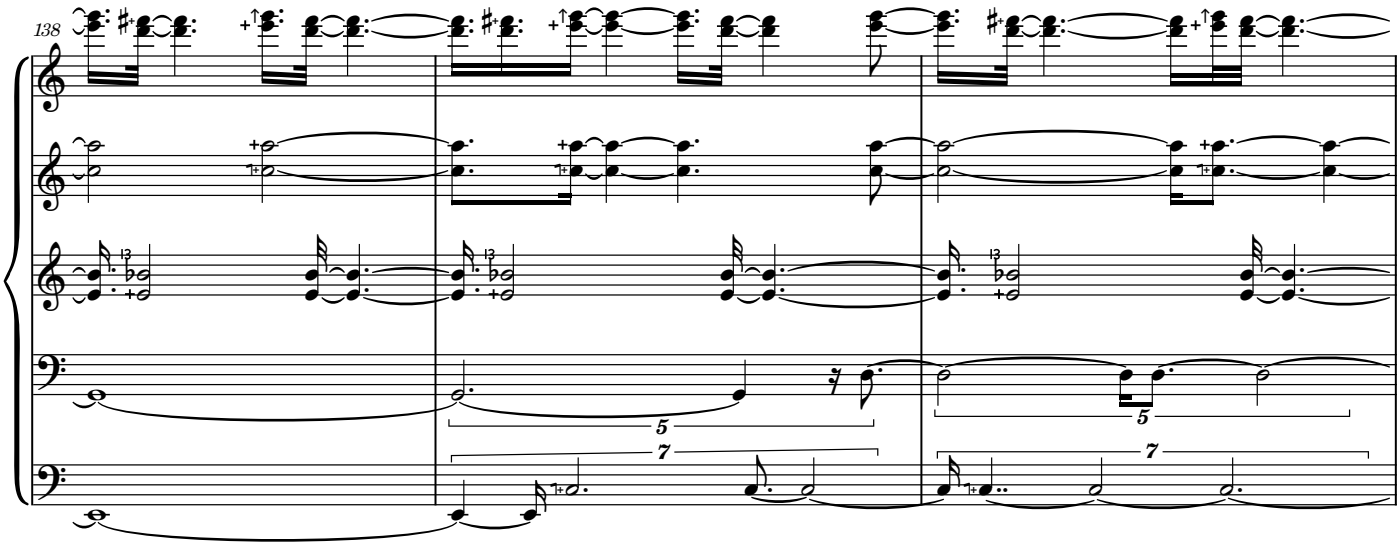

123
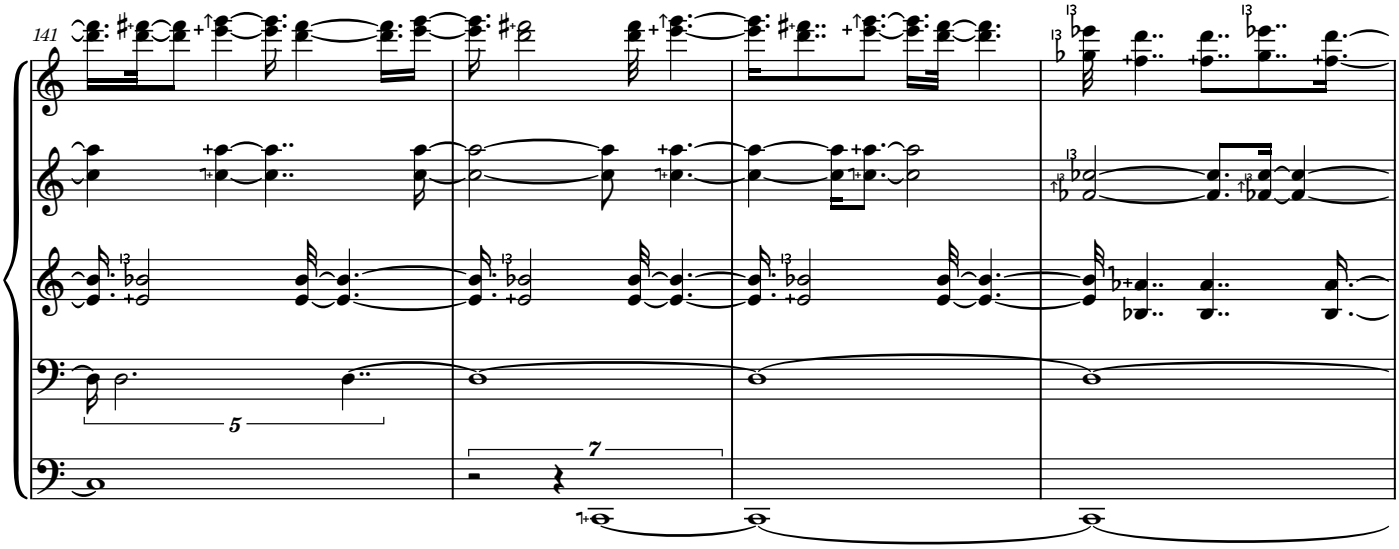

126

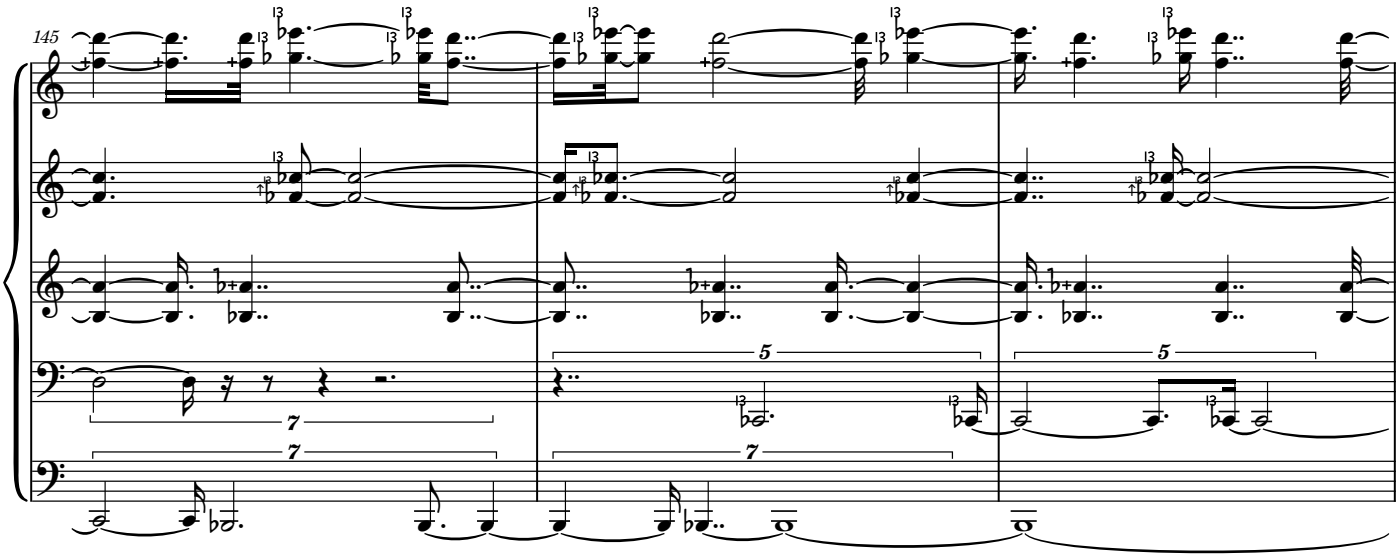

129
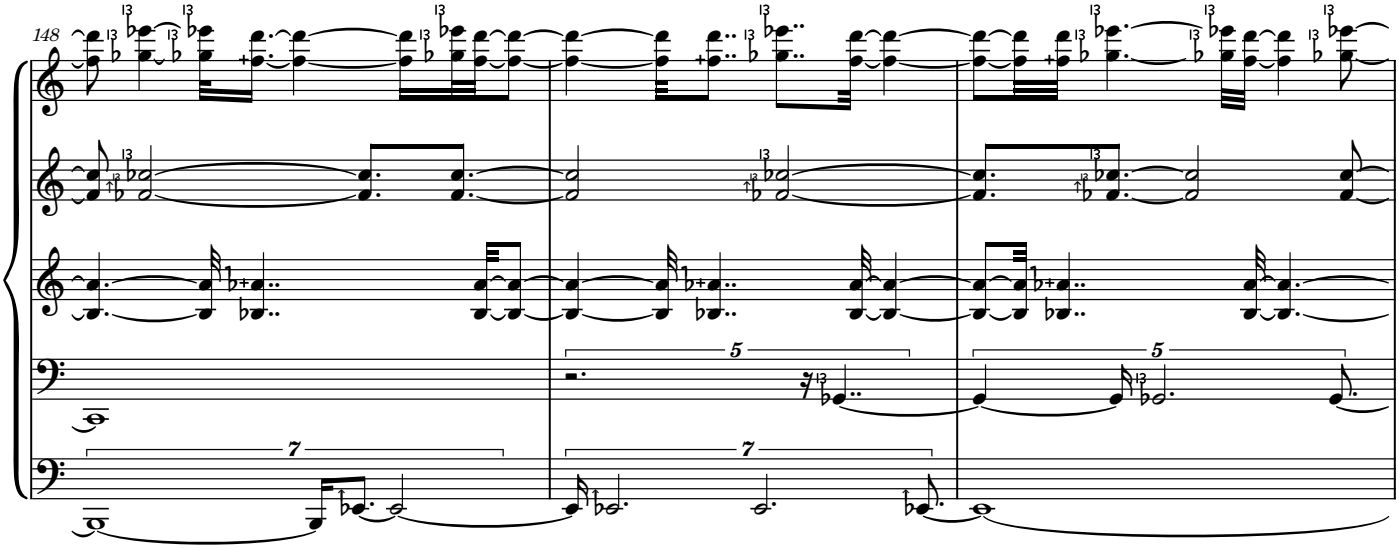

132
♩ = 180
mf
mp
mp

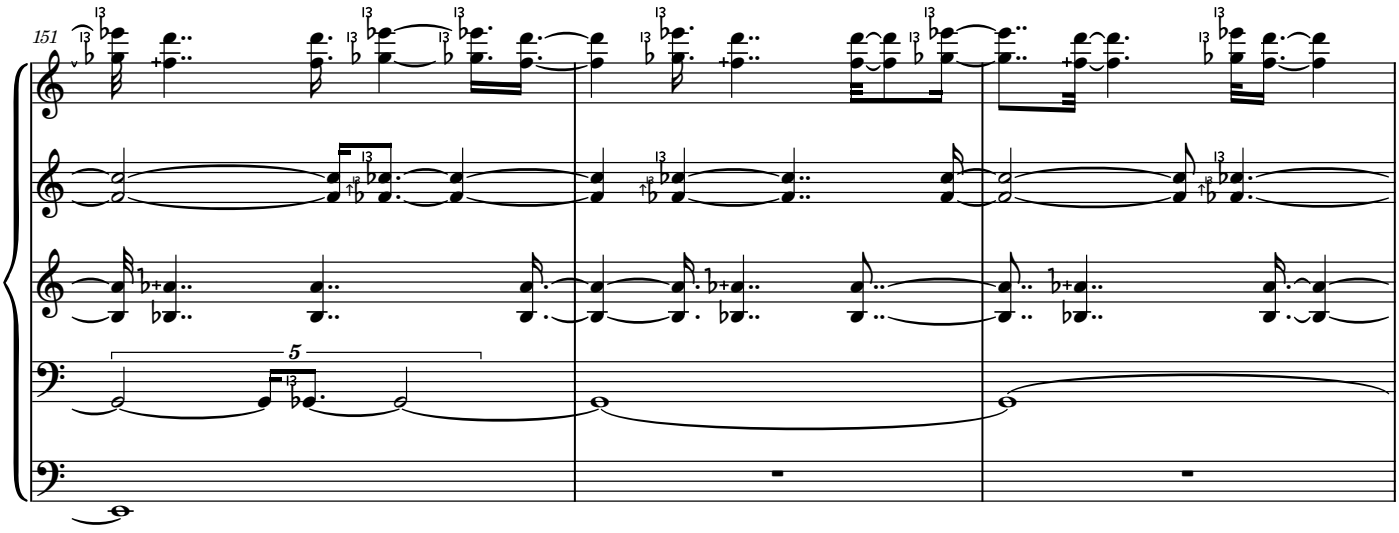

135
5
5
7
7
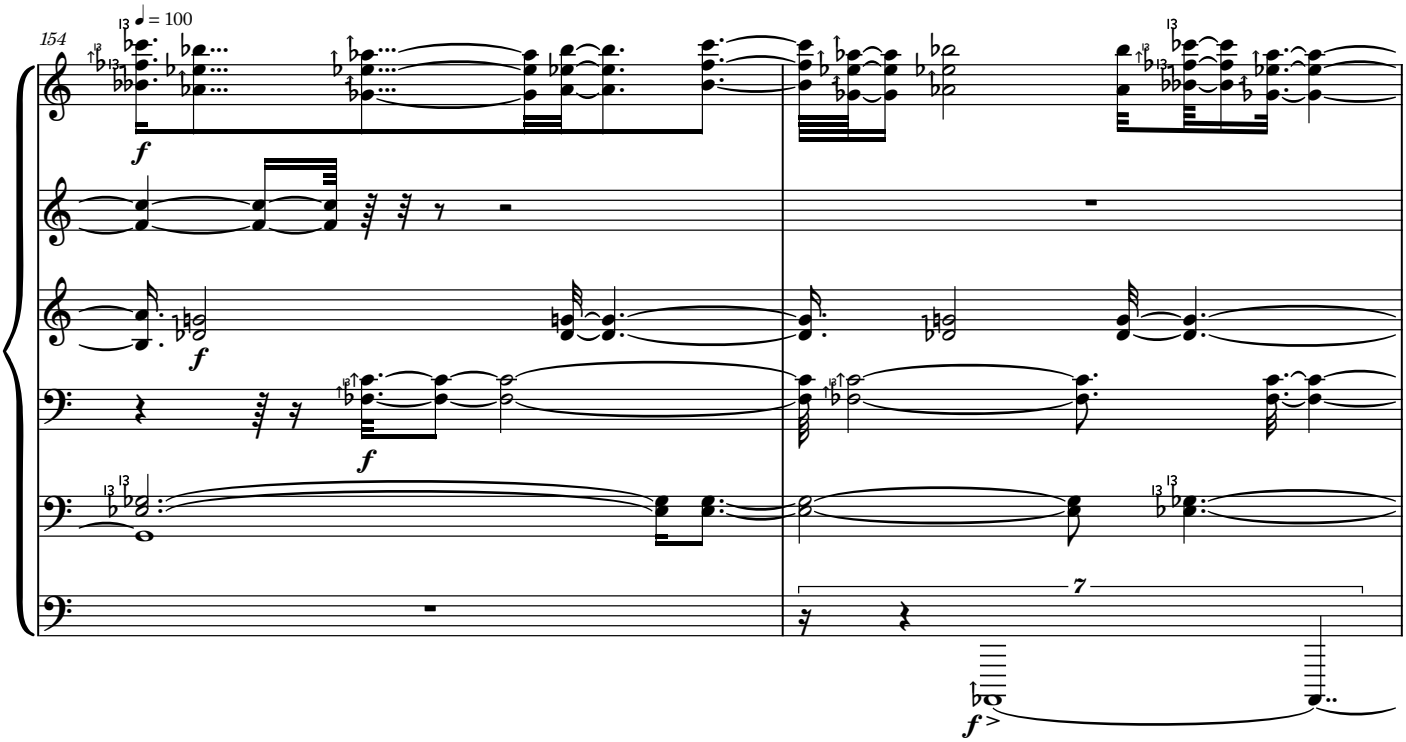

138
5
7
5
7
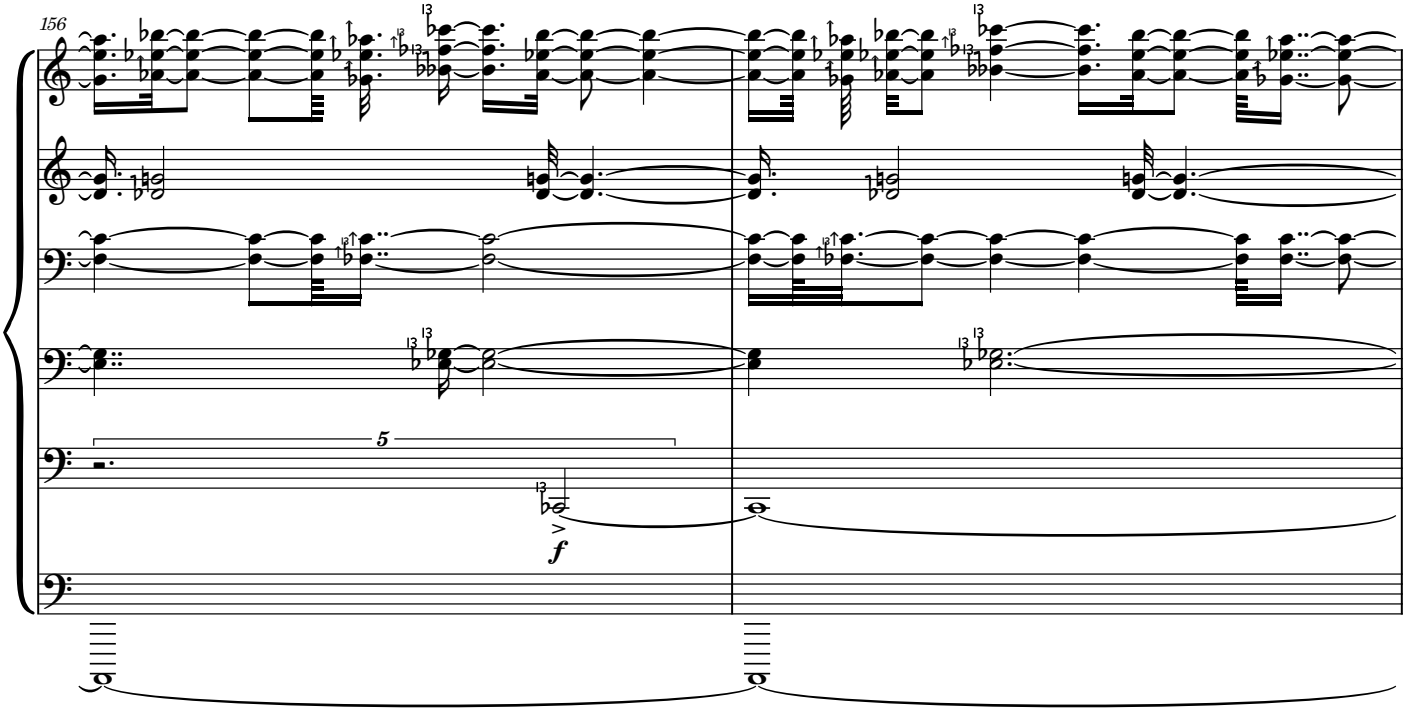

141
5
7
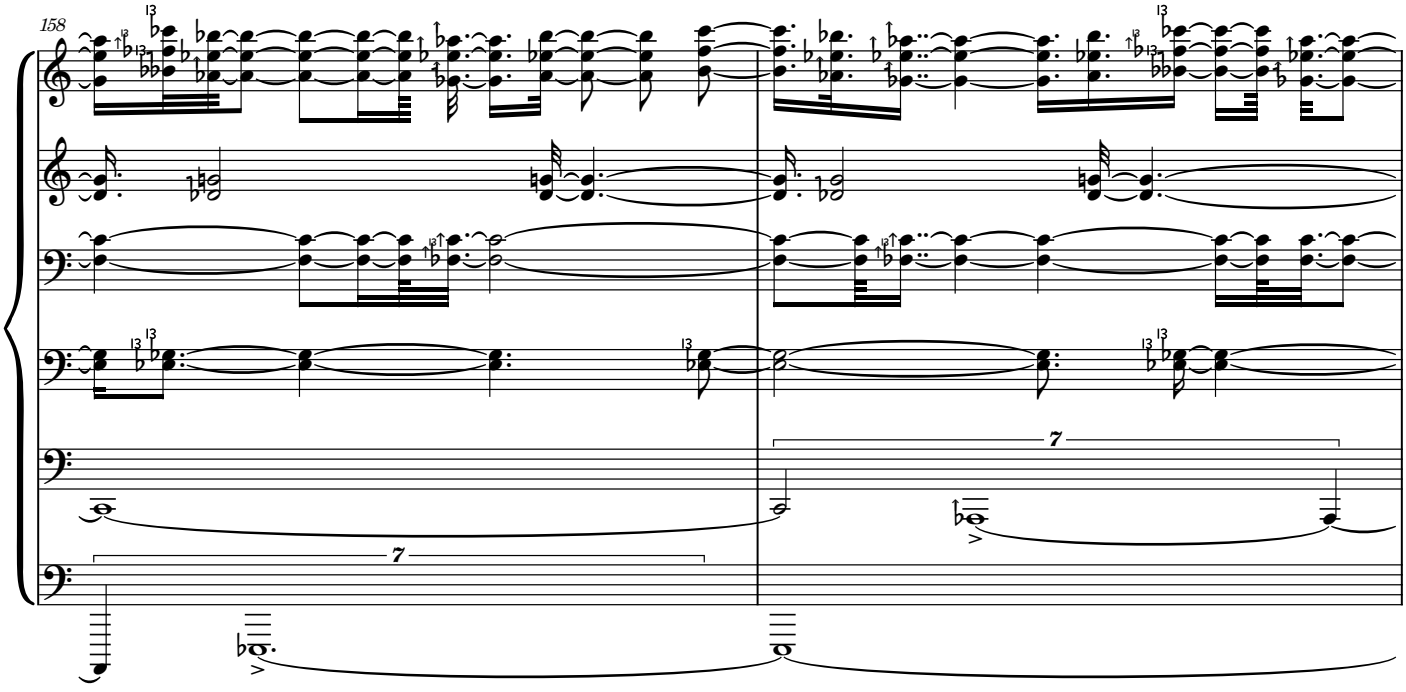

145
5
5
7
7
7
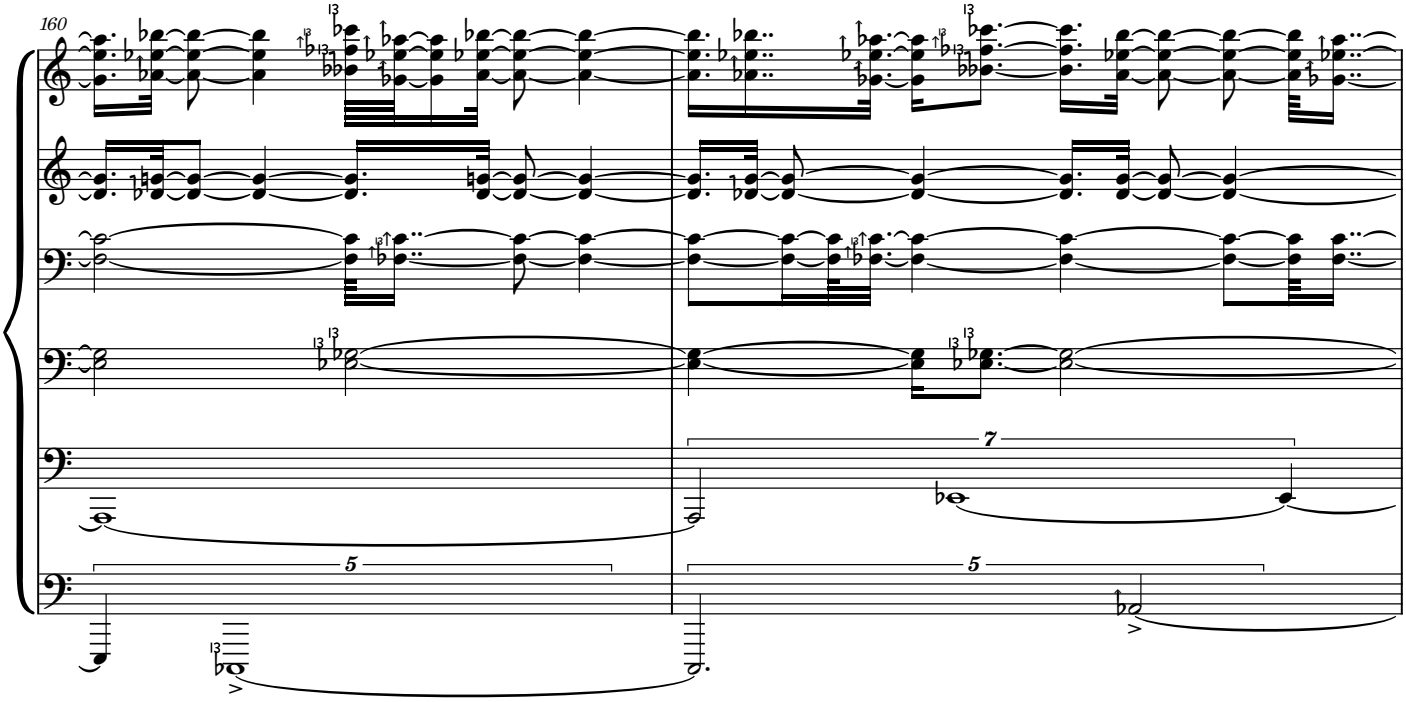

148
5
5
7
7
7
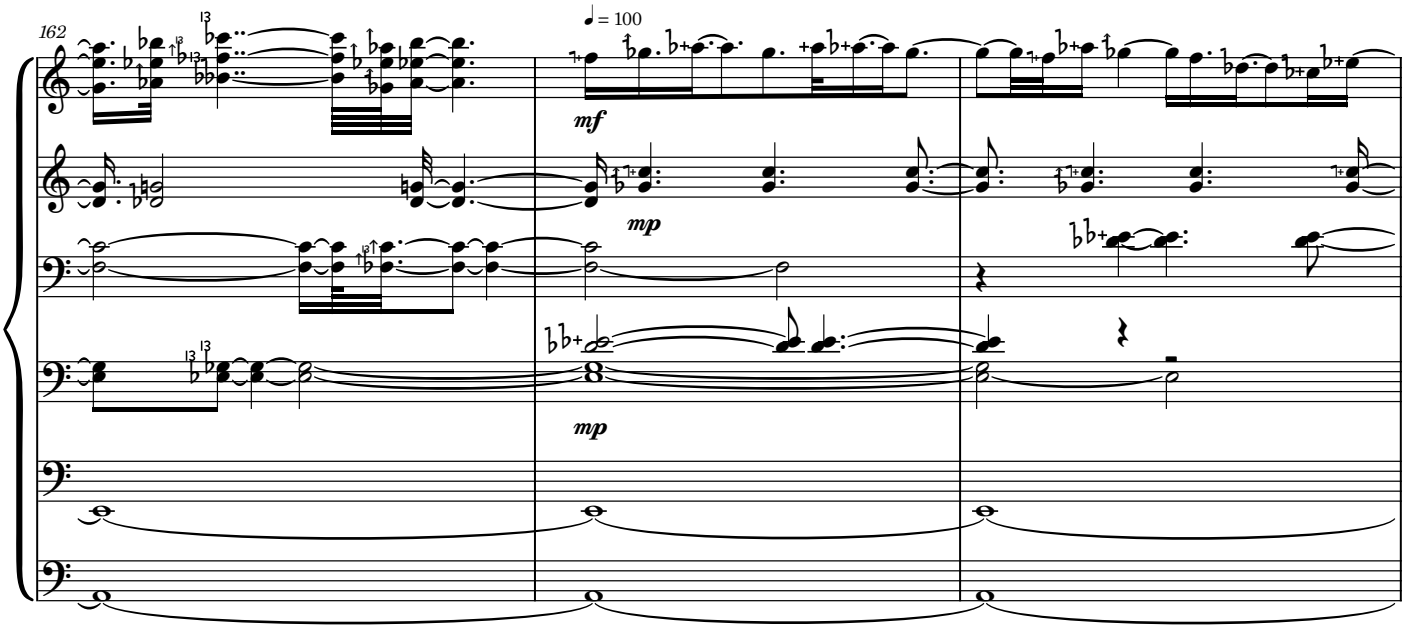

151
5

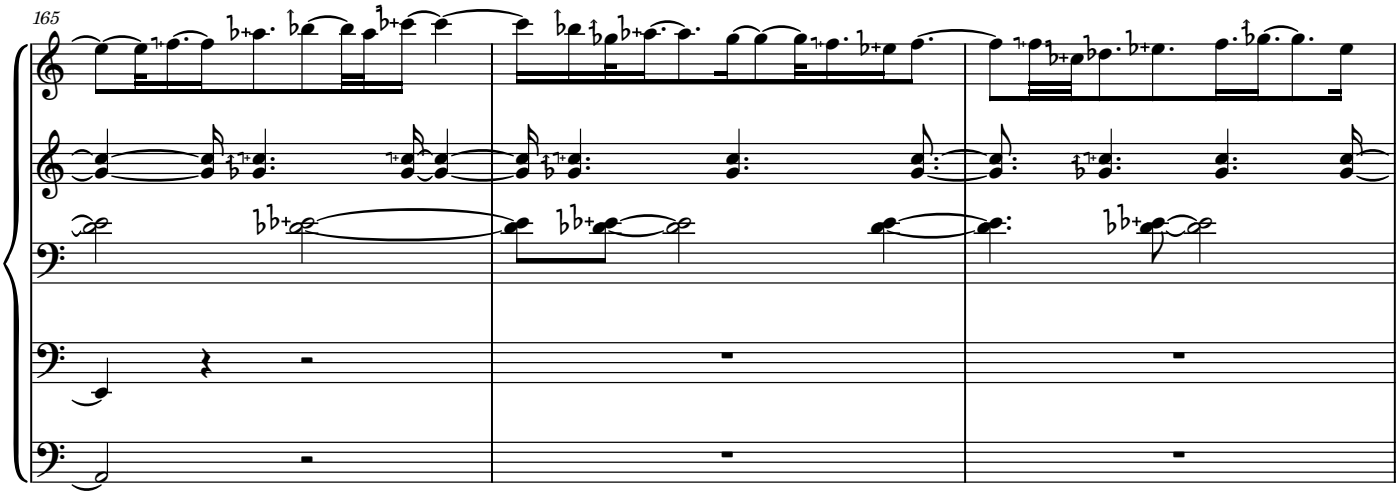

154
♩ = 100
f
f
f
7
f>
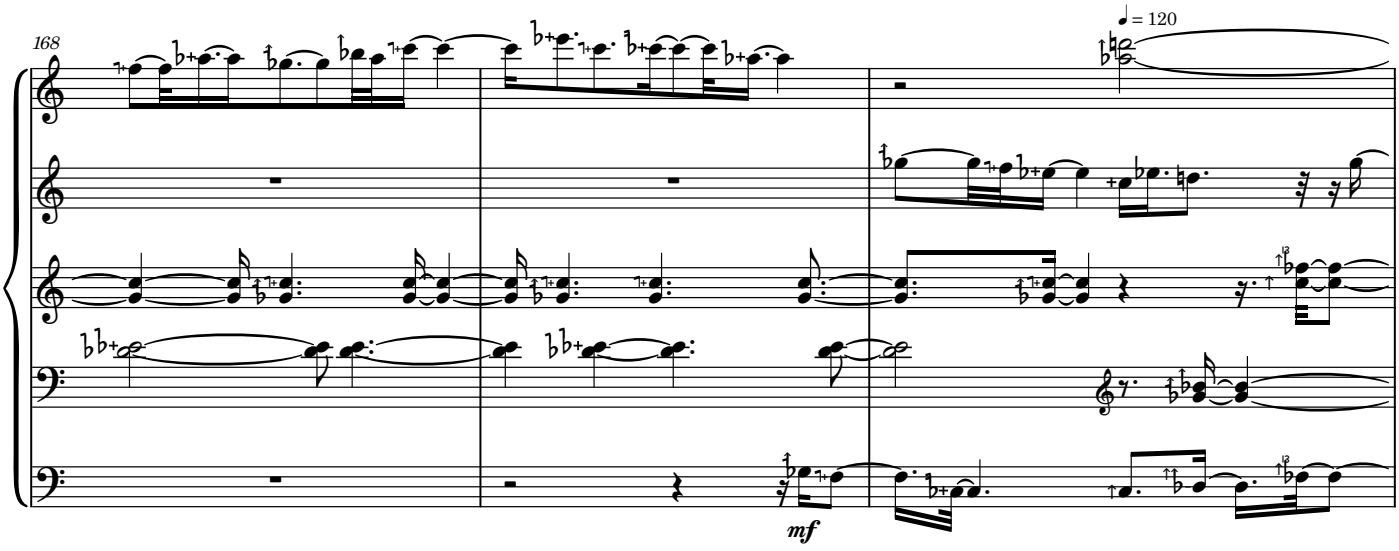

156
5
f
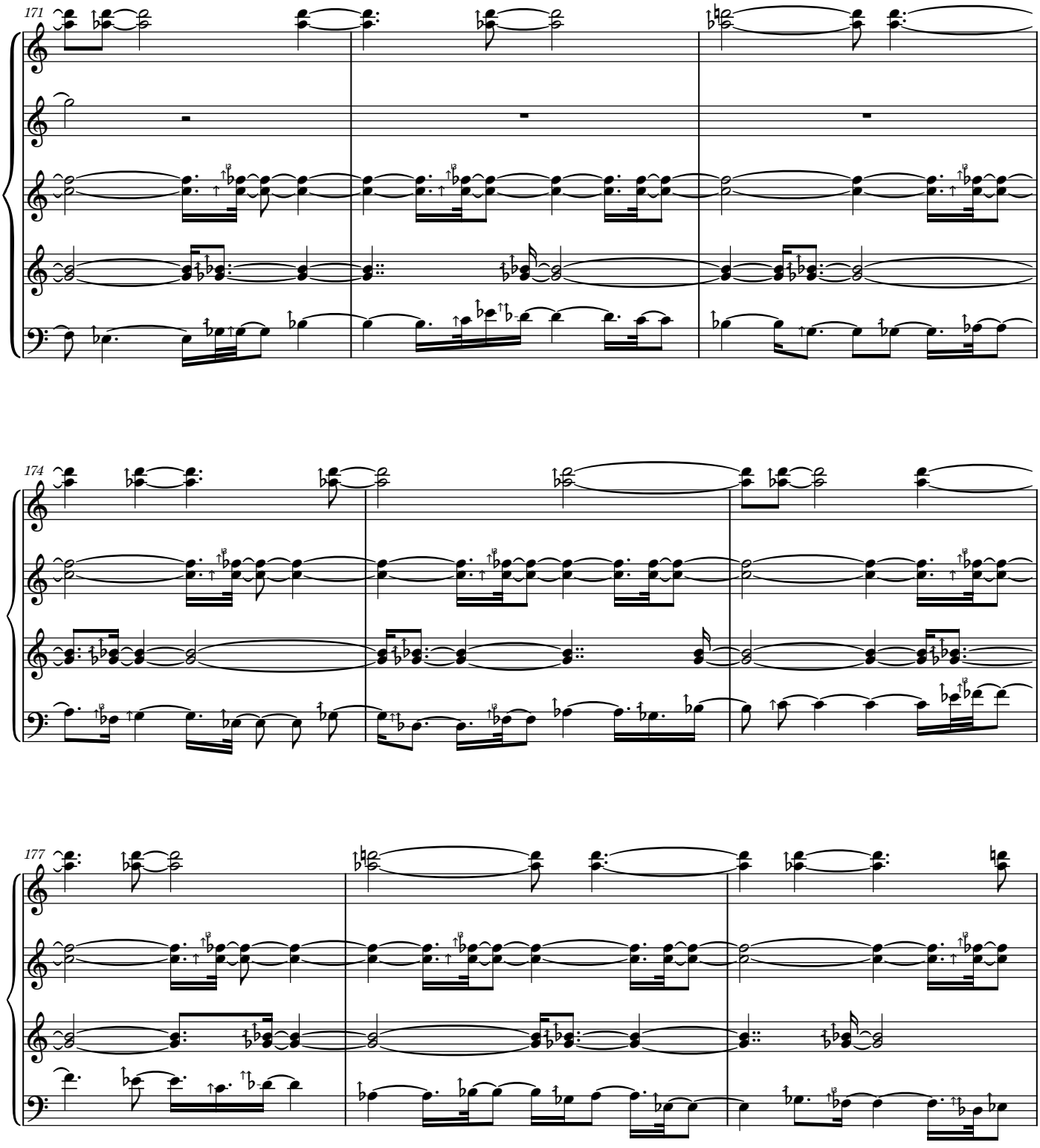

158
7
7
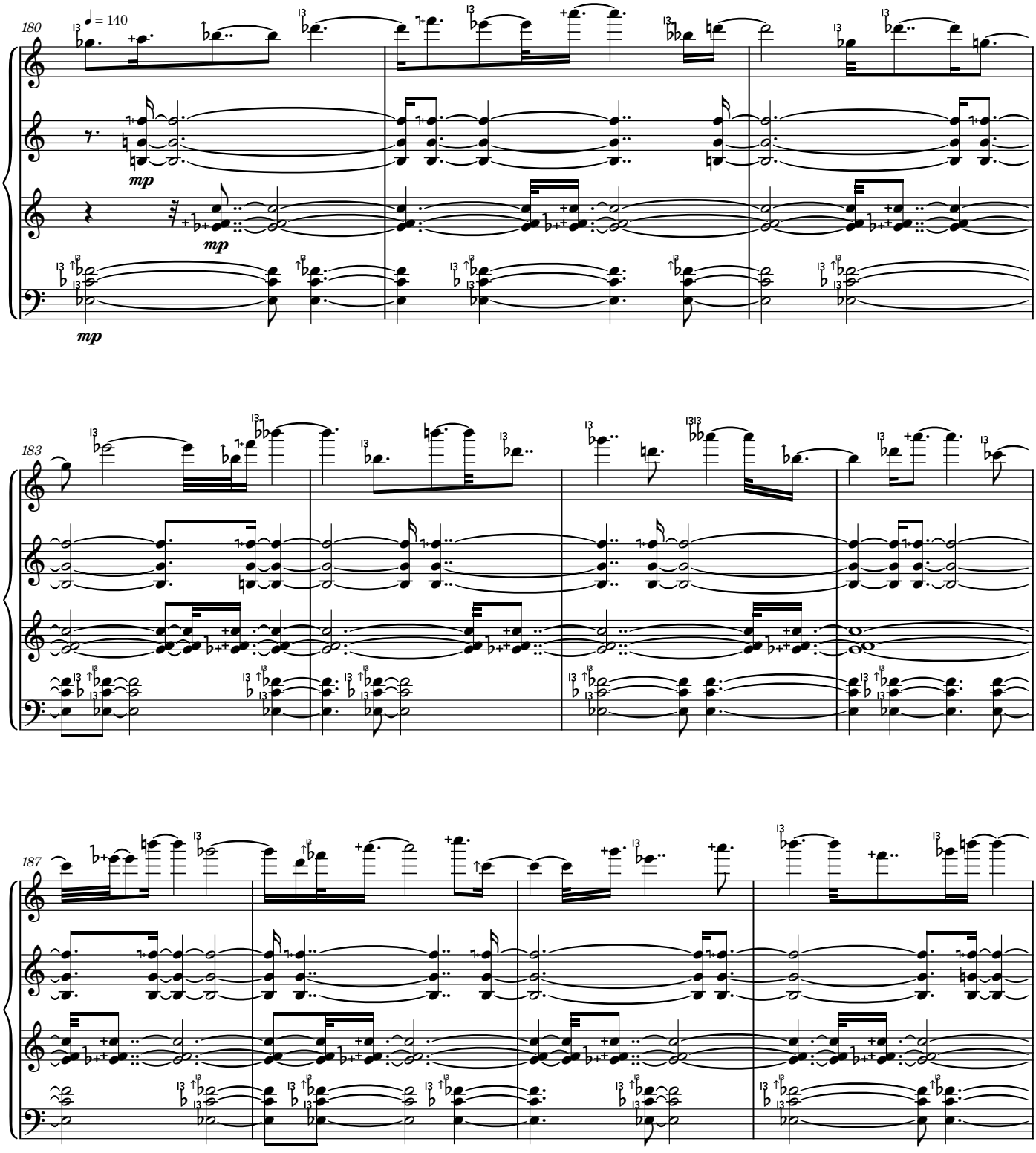

160
7
5
5
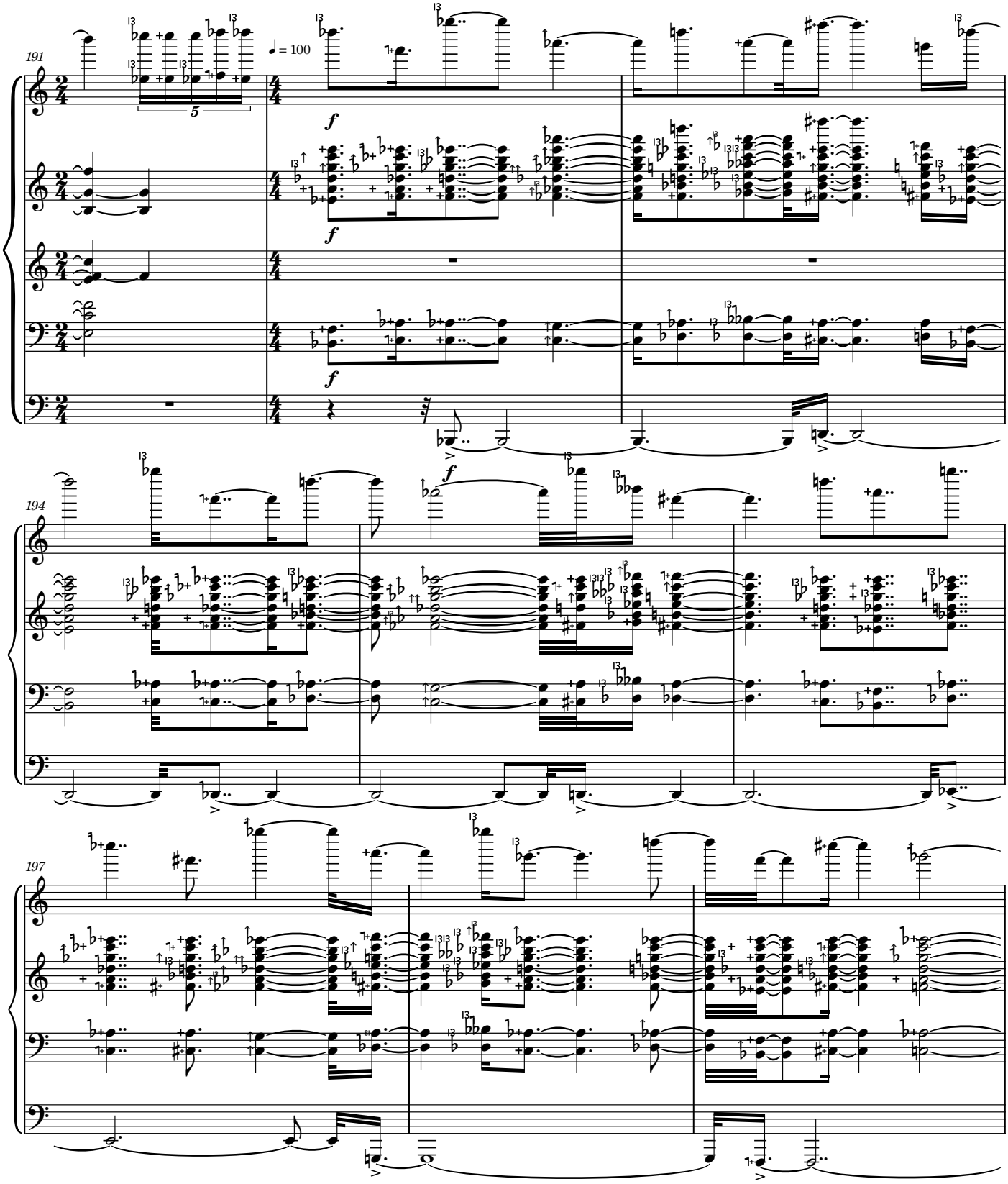

162
♩ = 100
mf
mp
mp

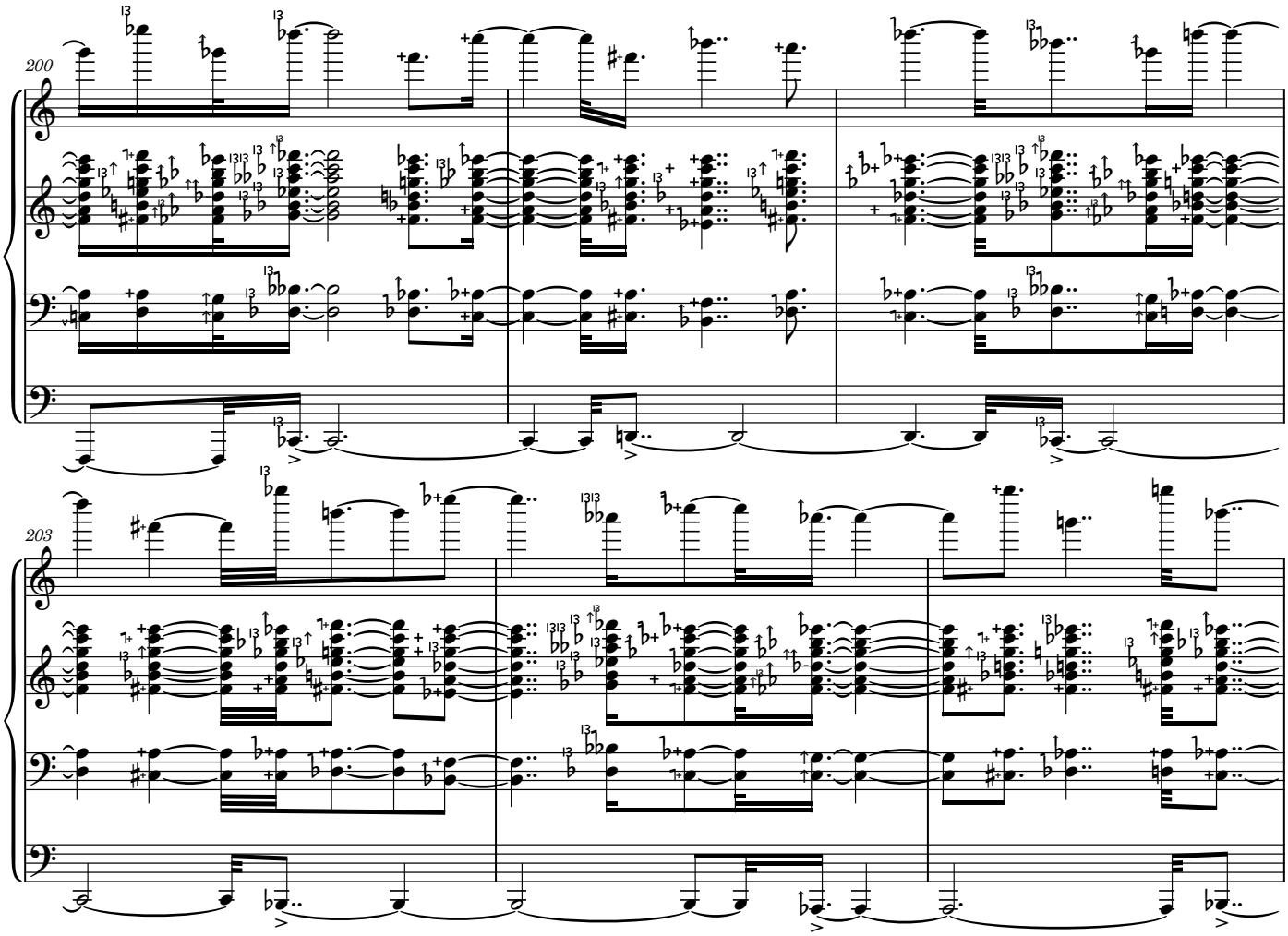

165

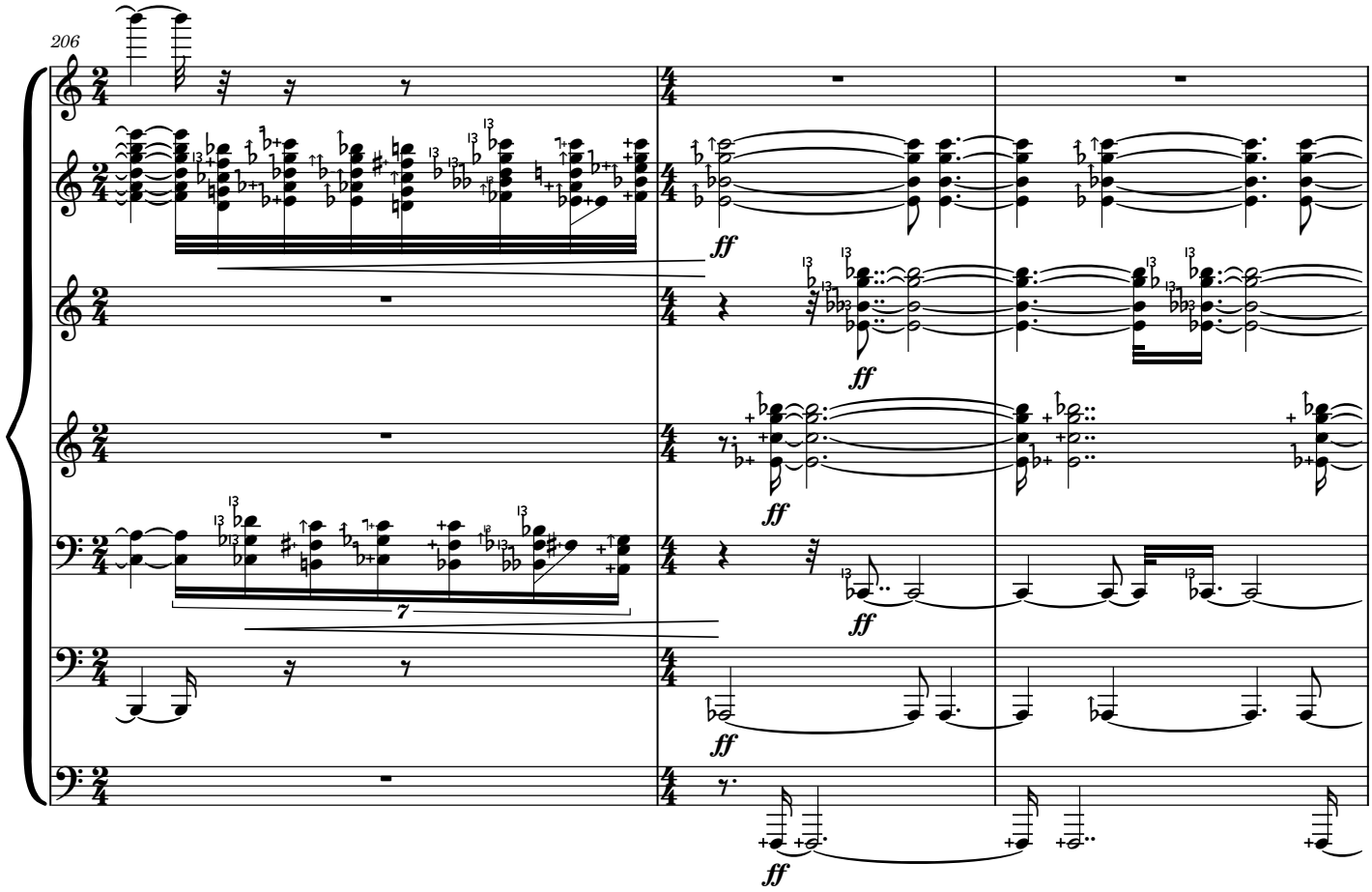

168
♩ = 120
mf

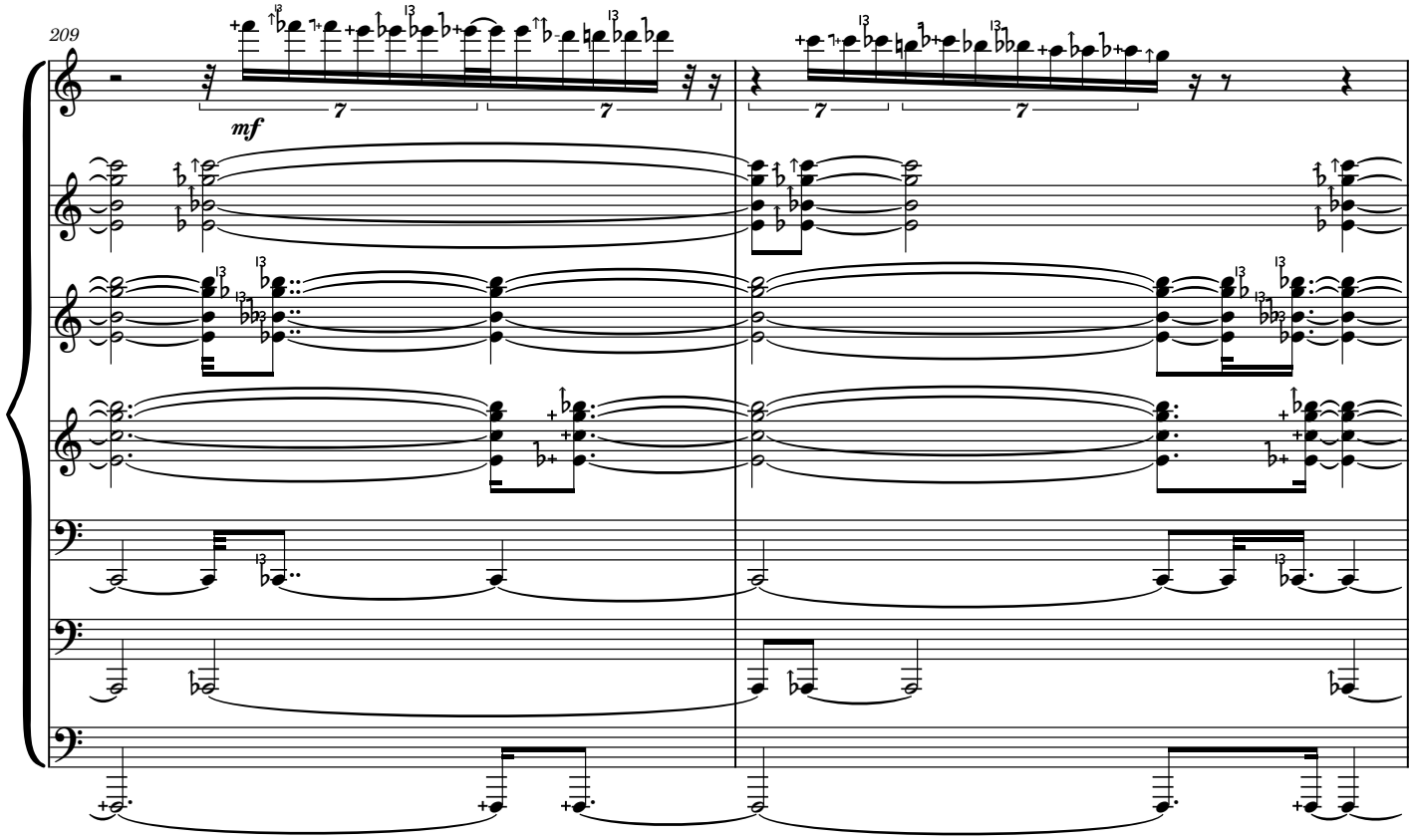

171
174
177
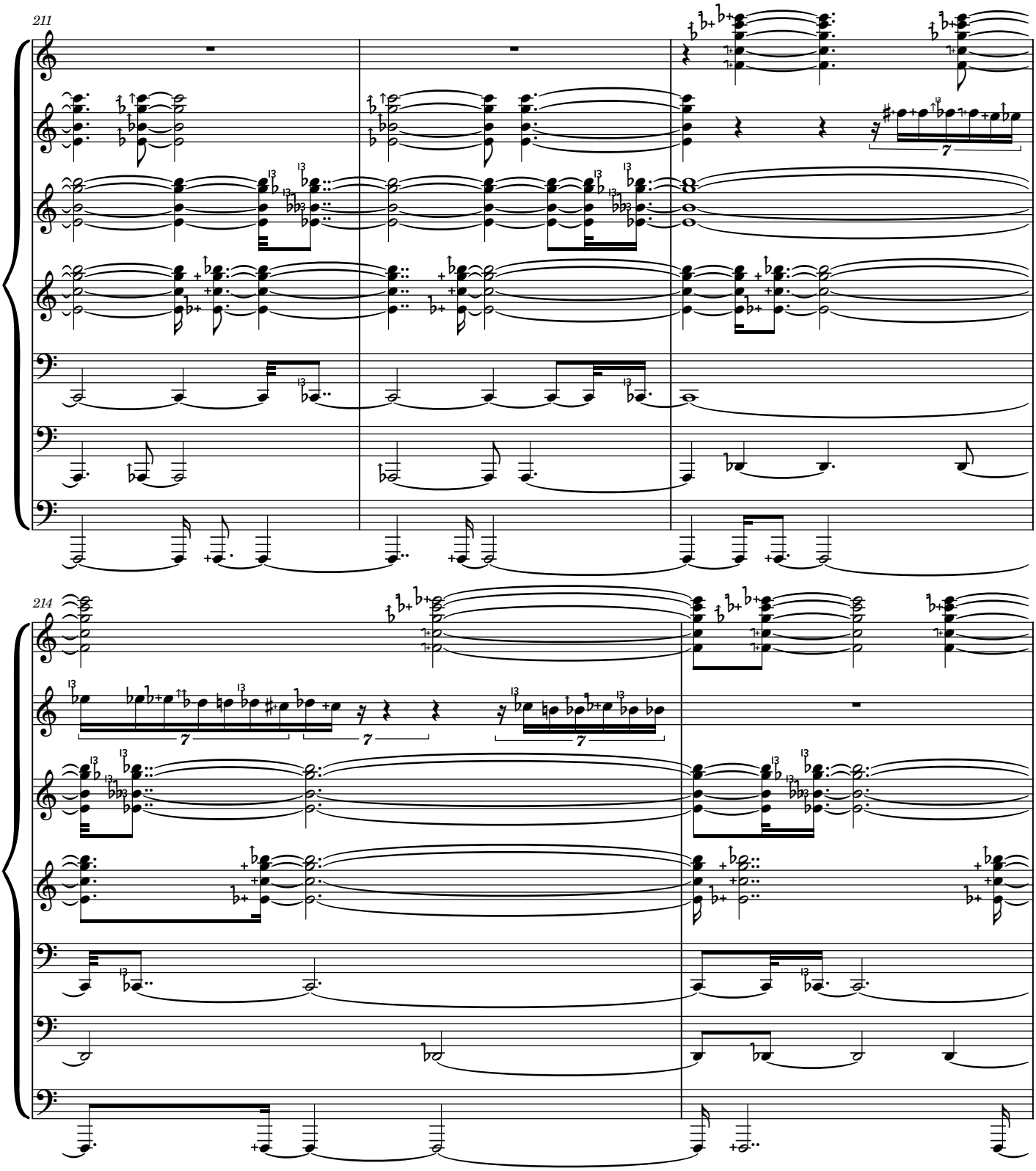

180
♩ = 140
mp
mp
mp
183
187
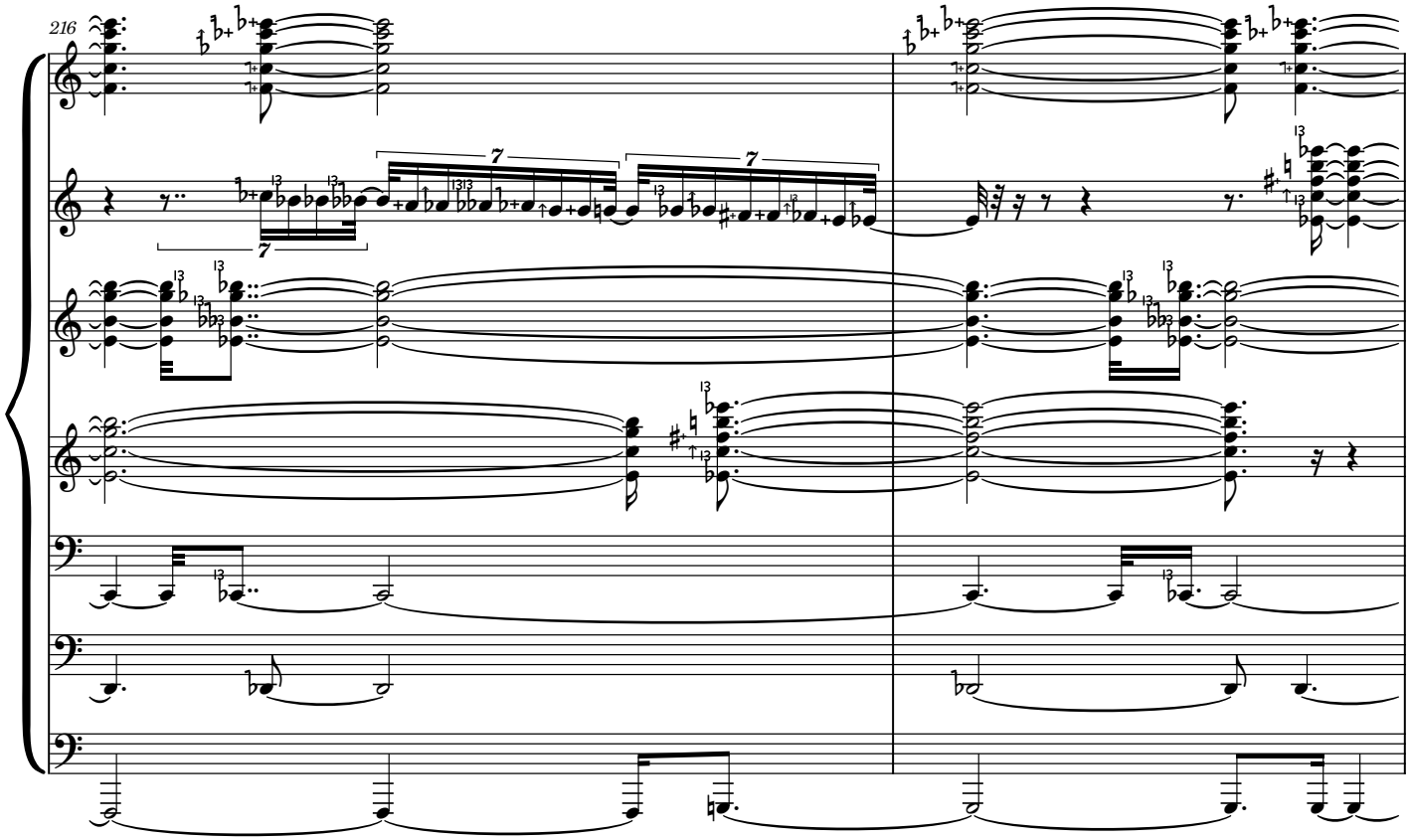

191
♩ = 100
f
194
197

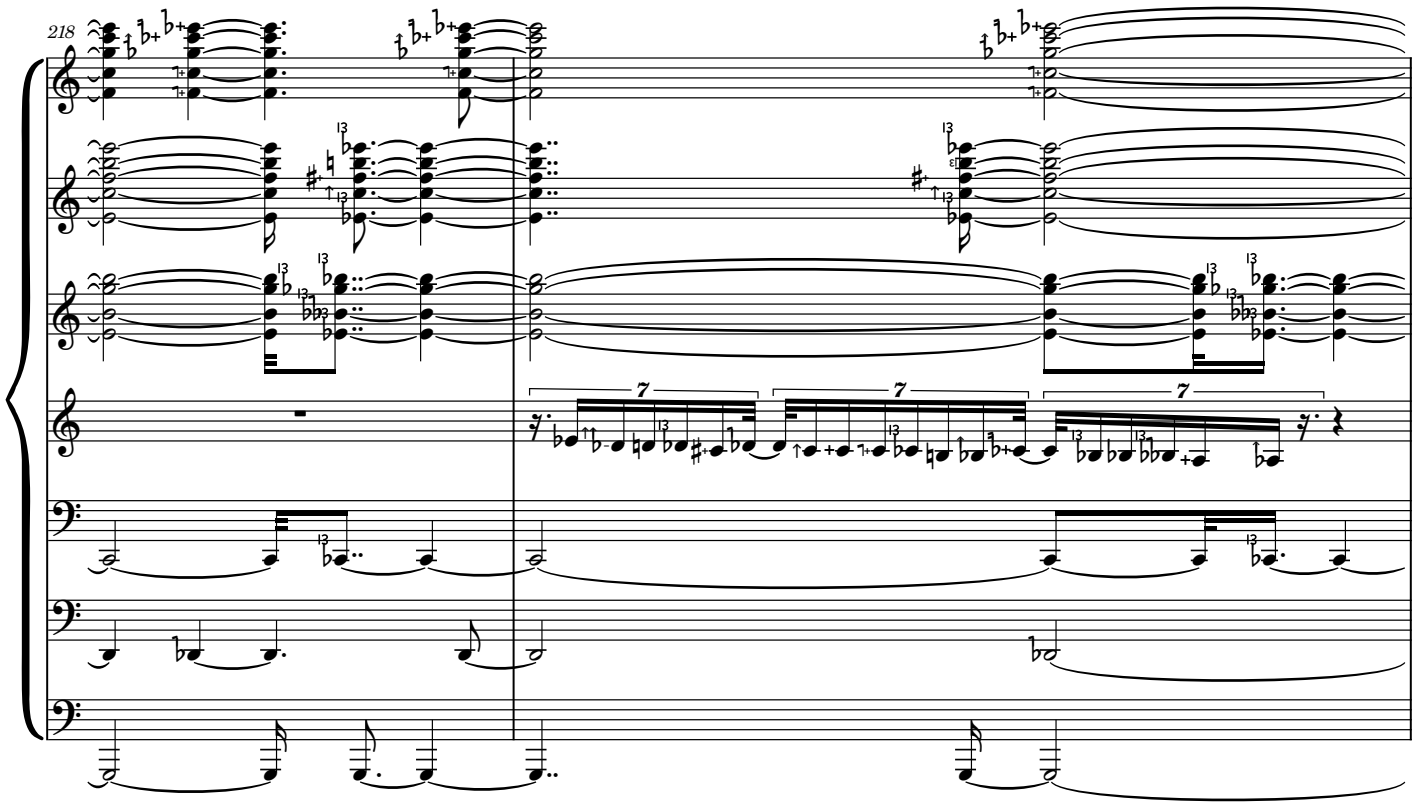

200
203

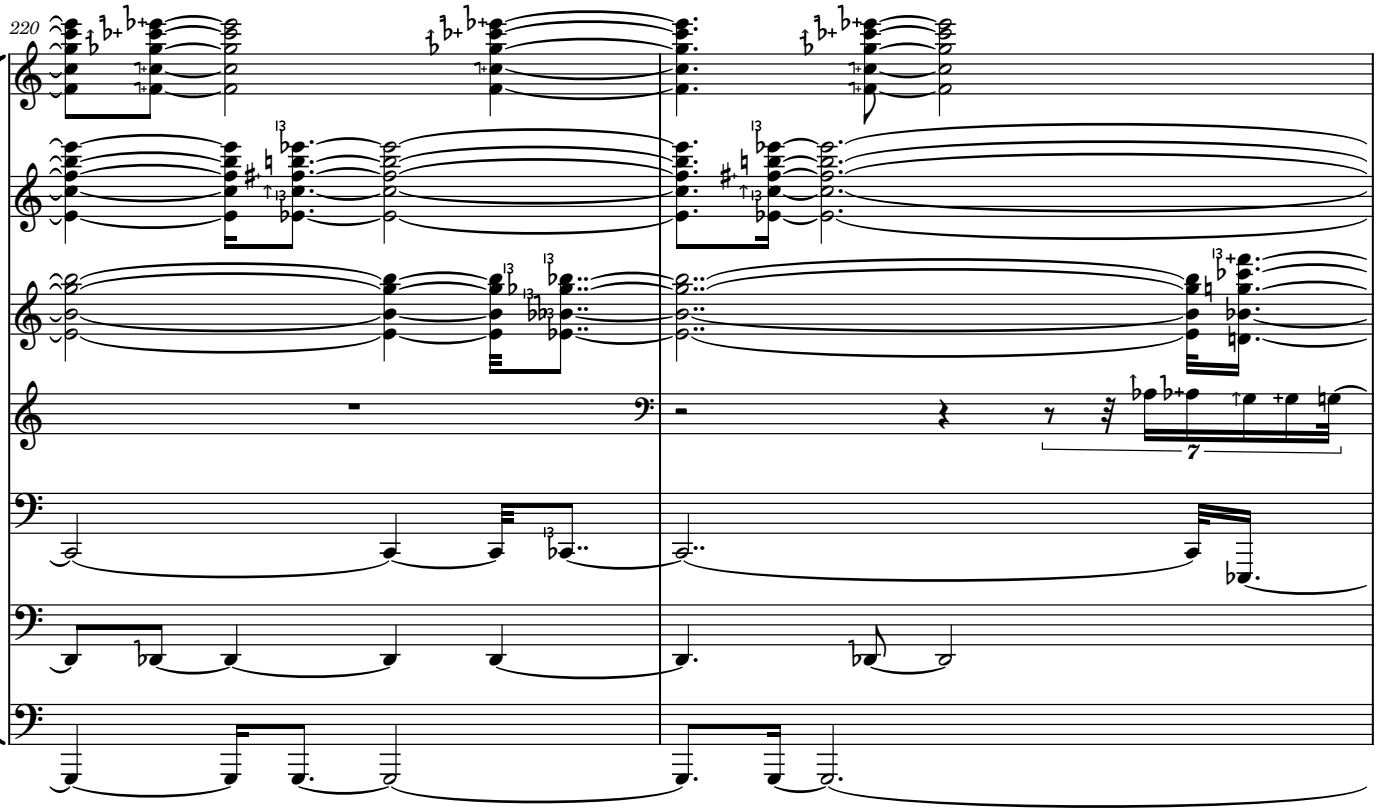

206
ff
ff
ff
ff
ff
7

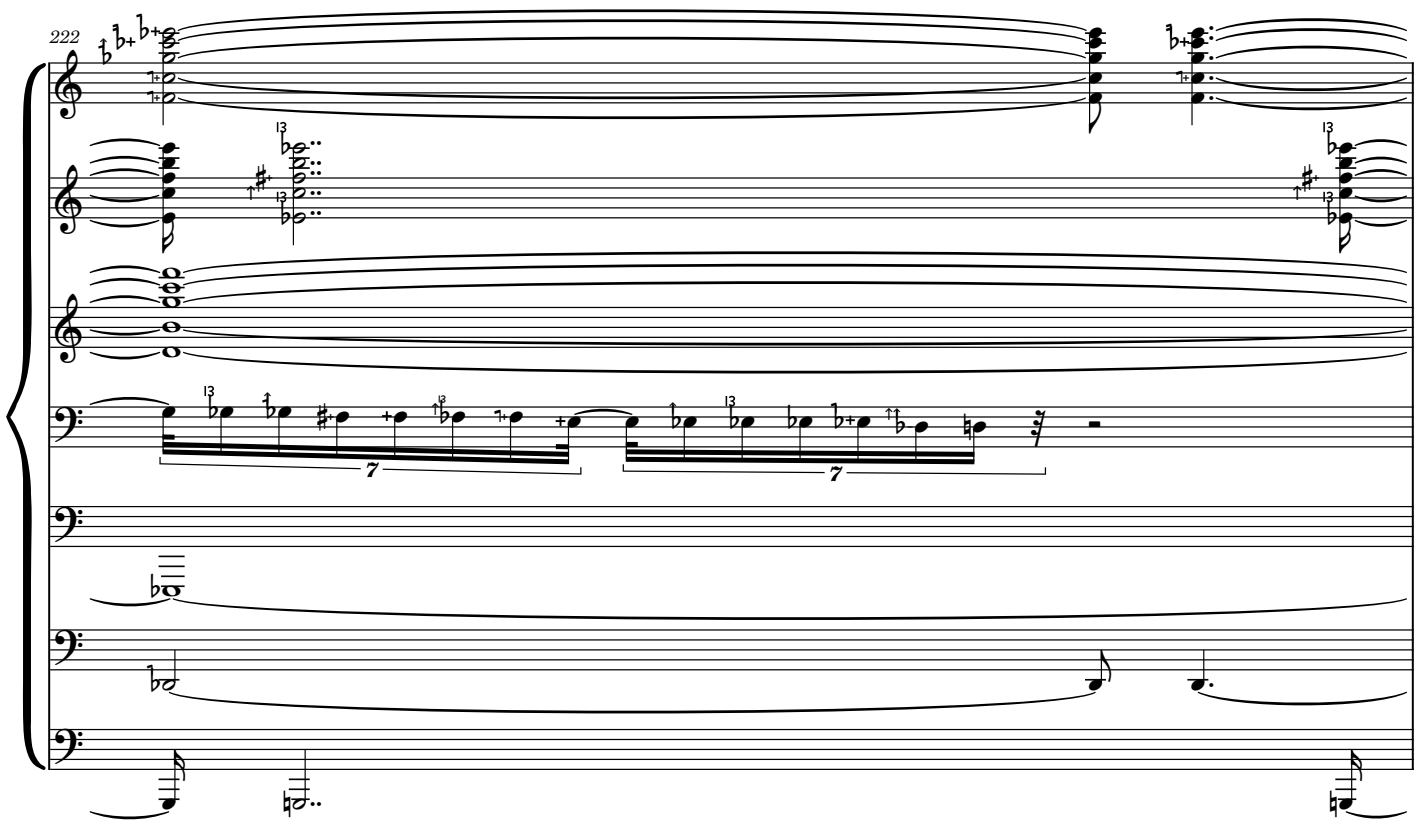

209
mf
7
7
7
7

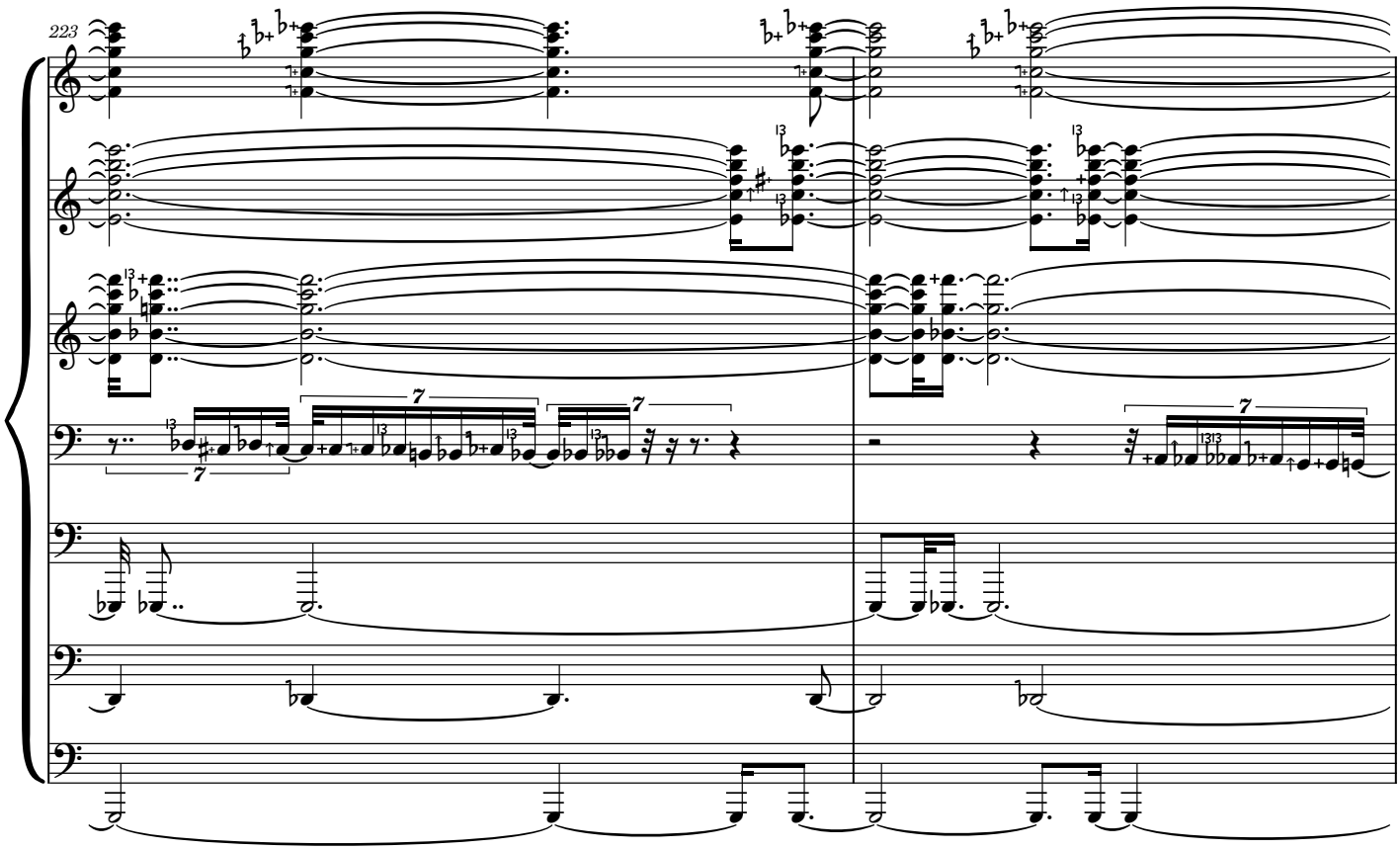

211
214
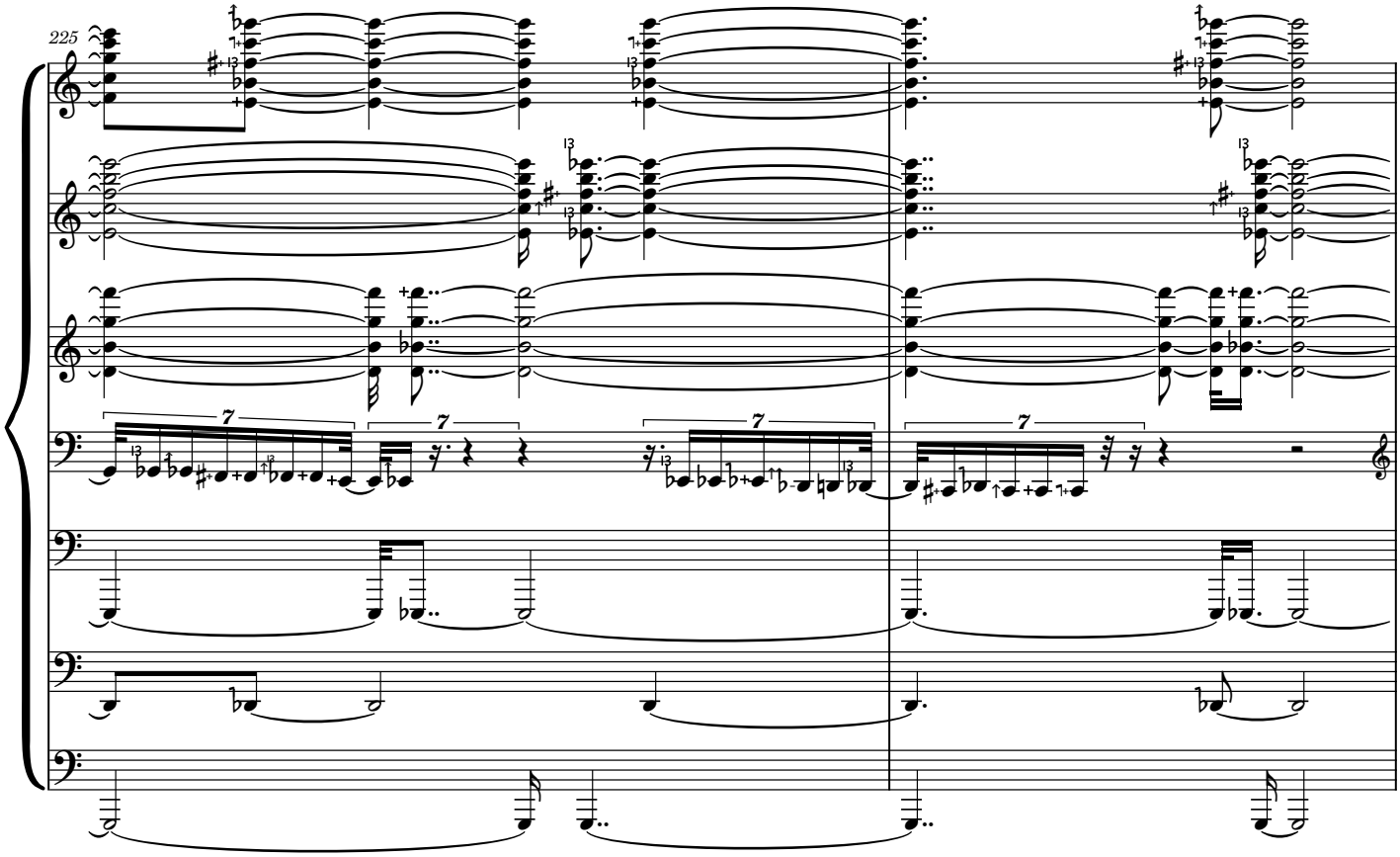

216
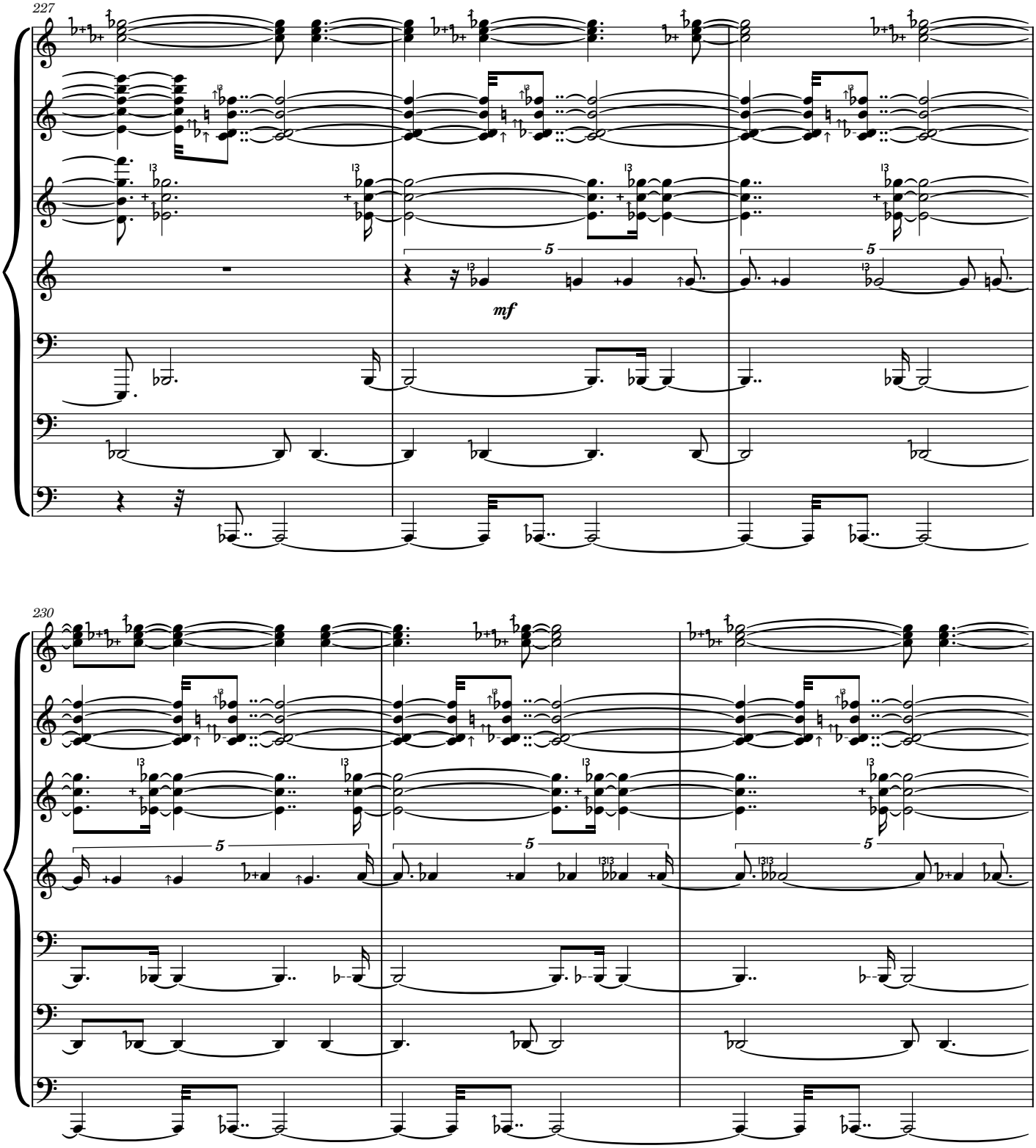

218
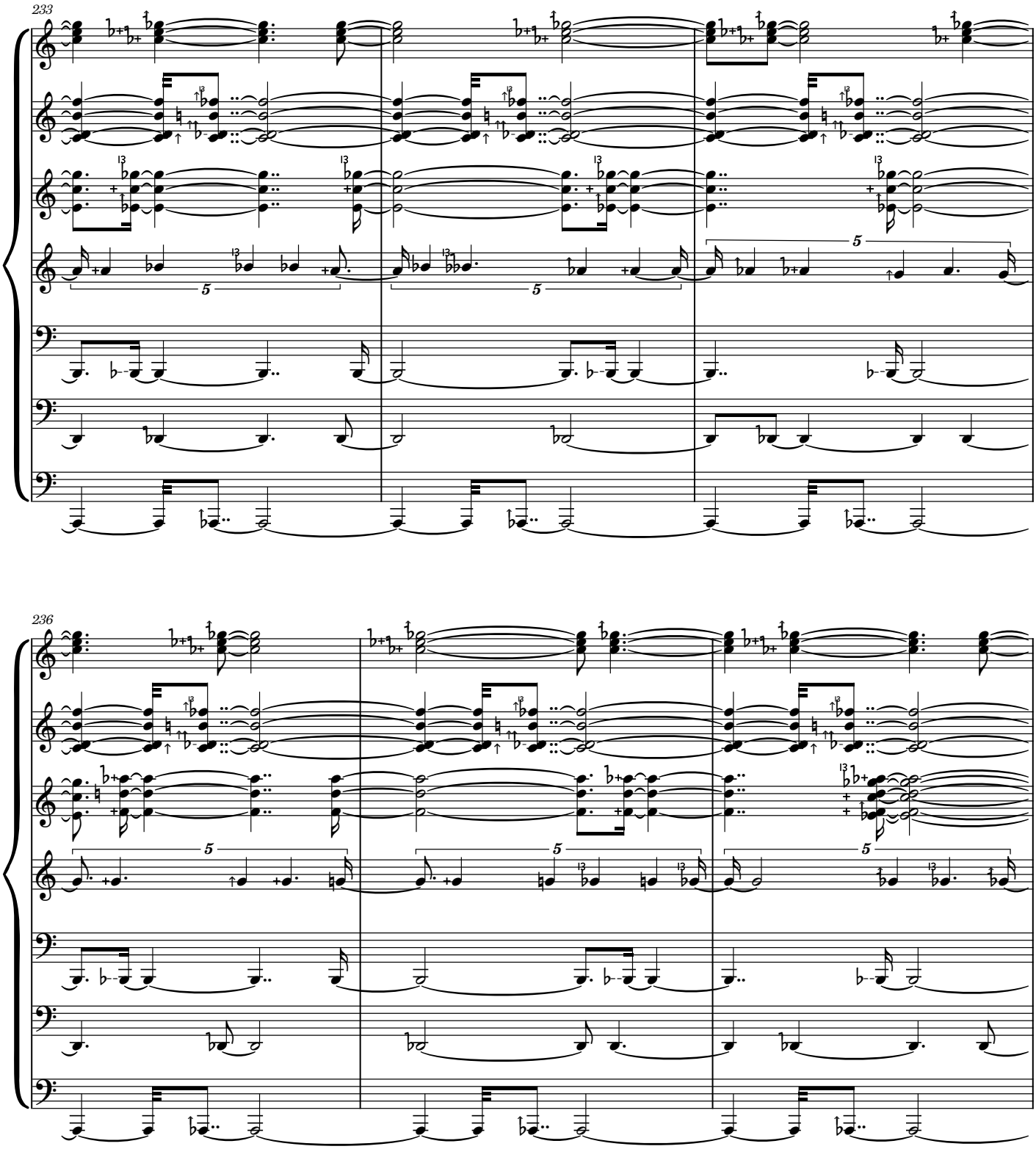

220
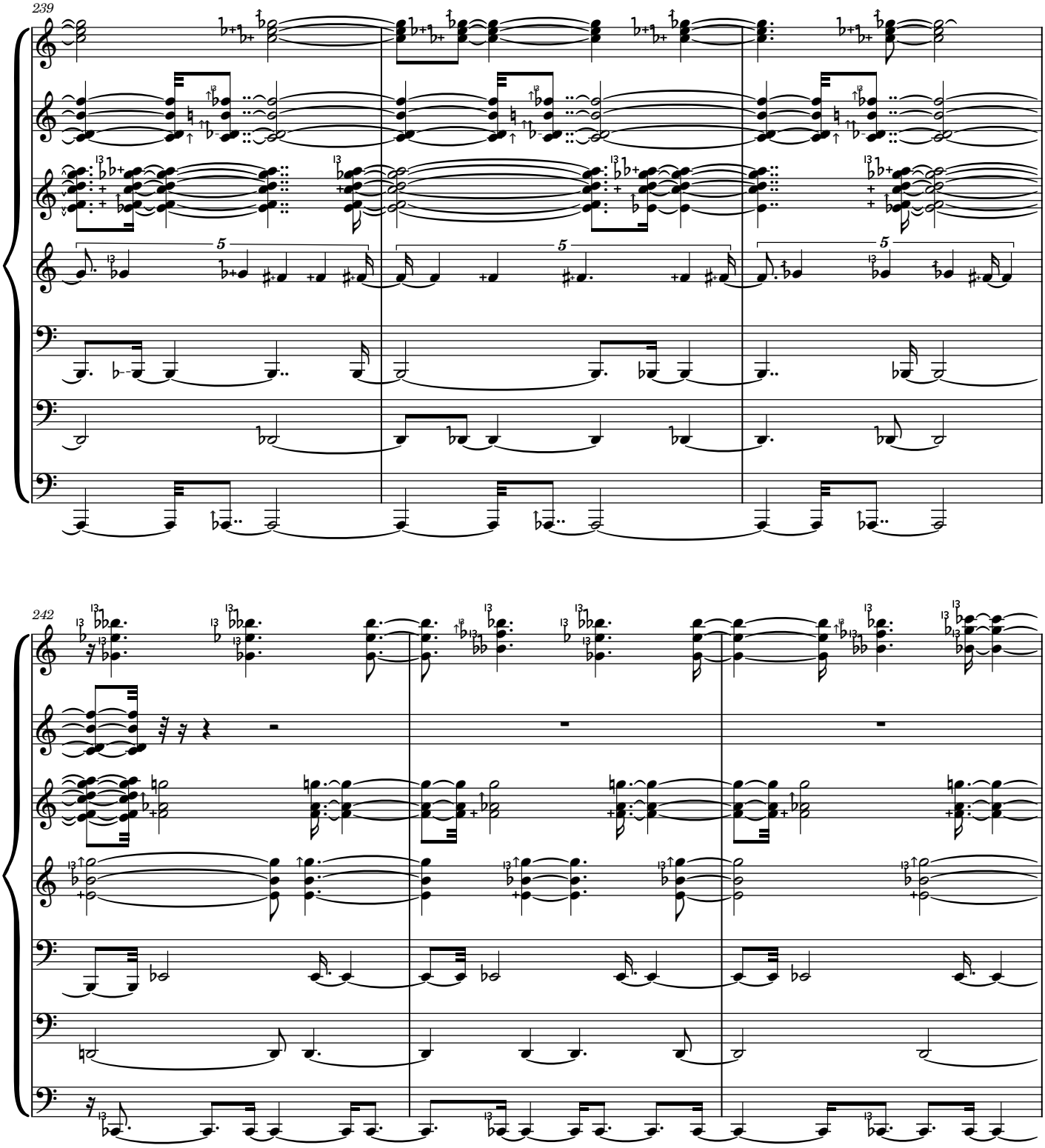

222
7
7
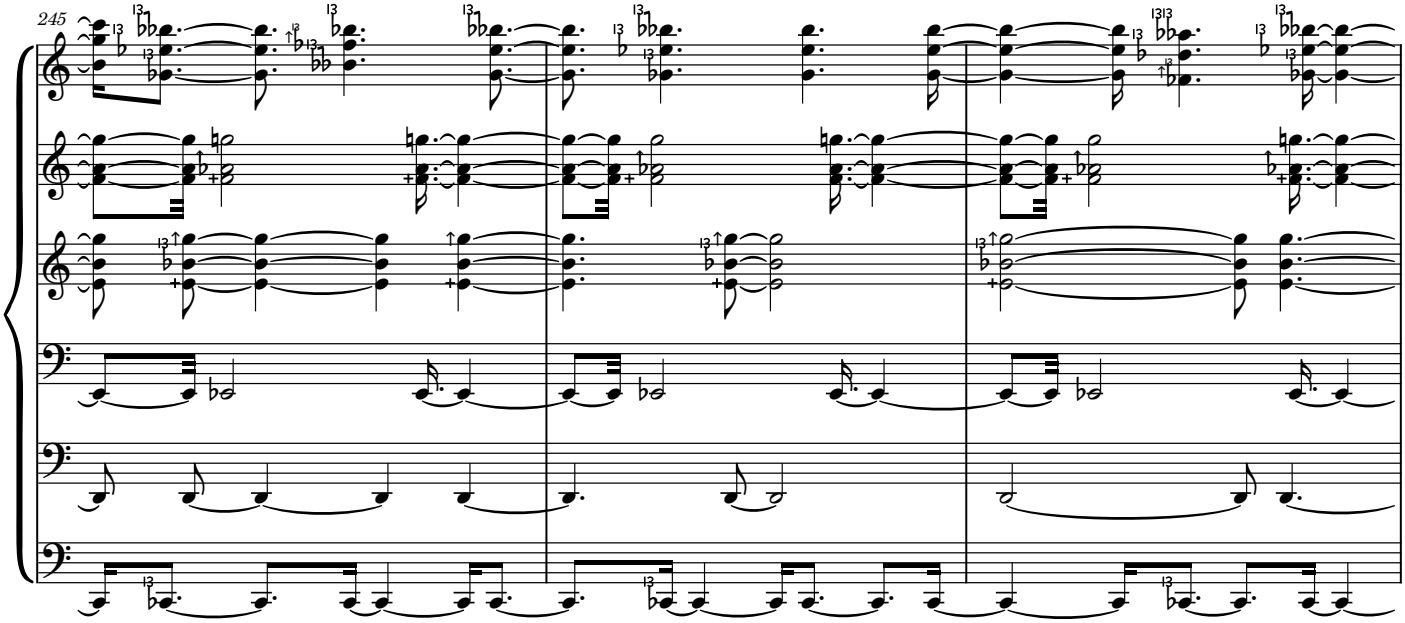

223
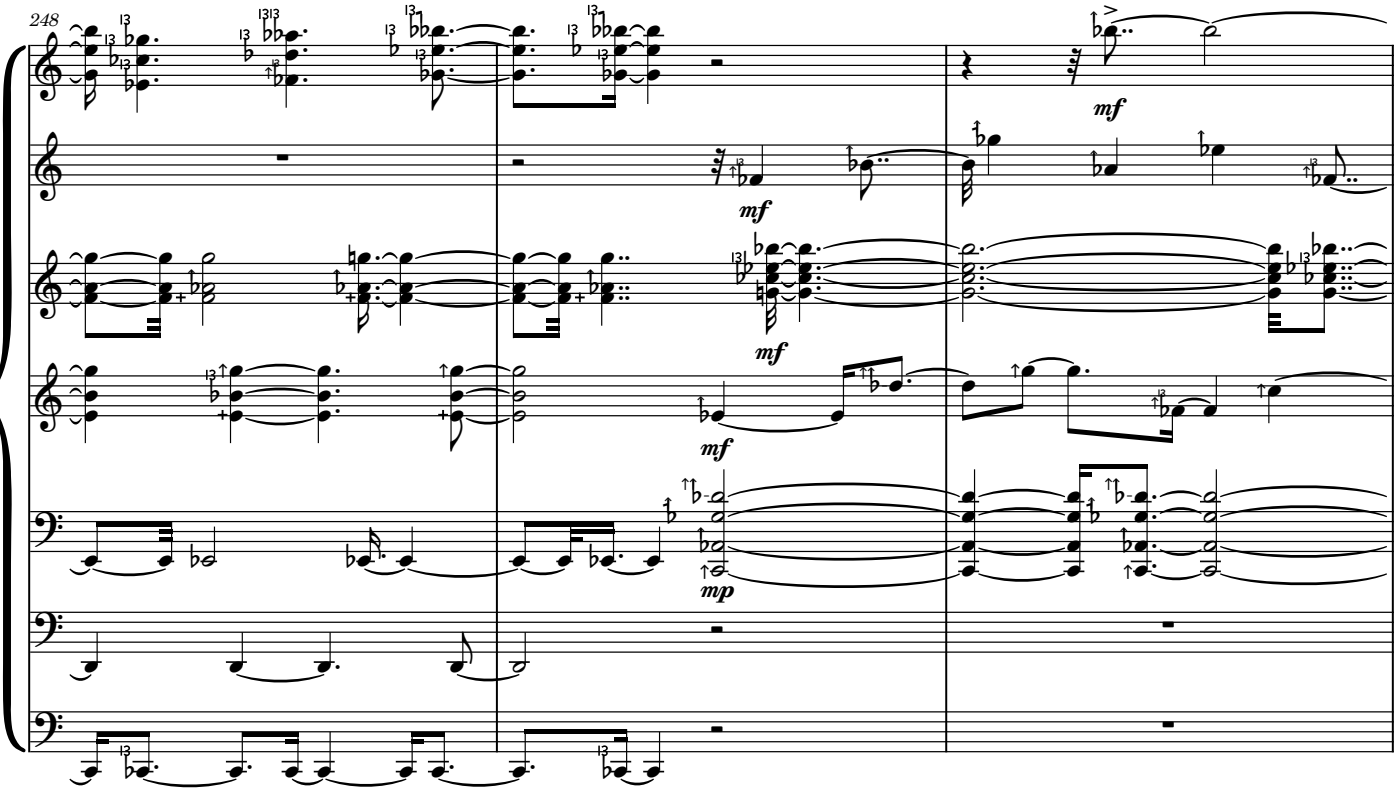

225

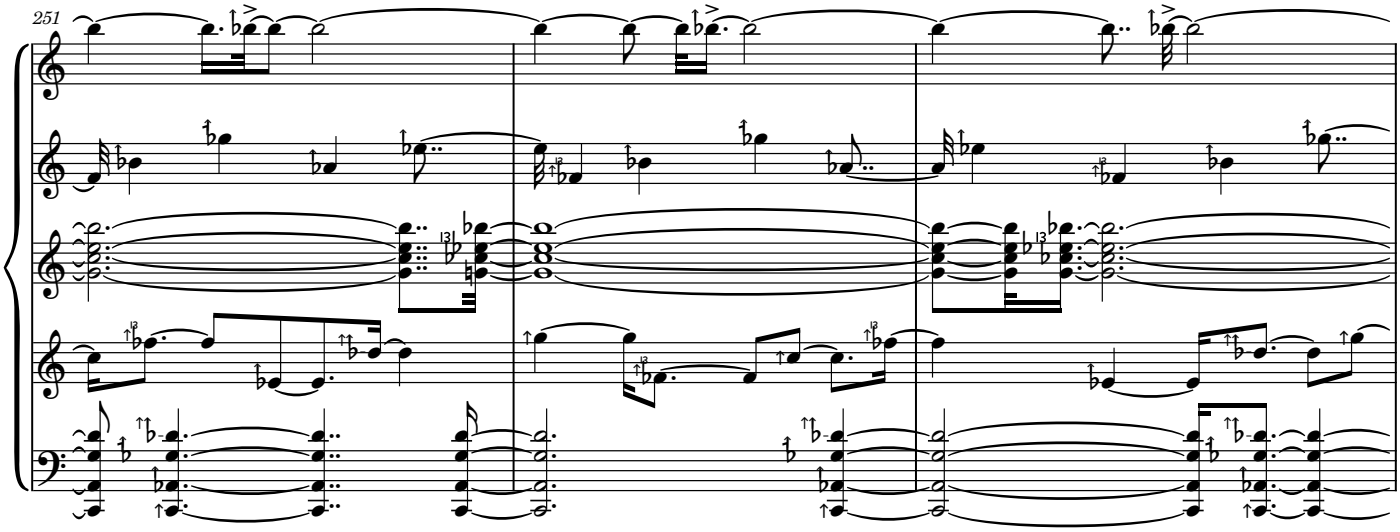

227
mf
230

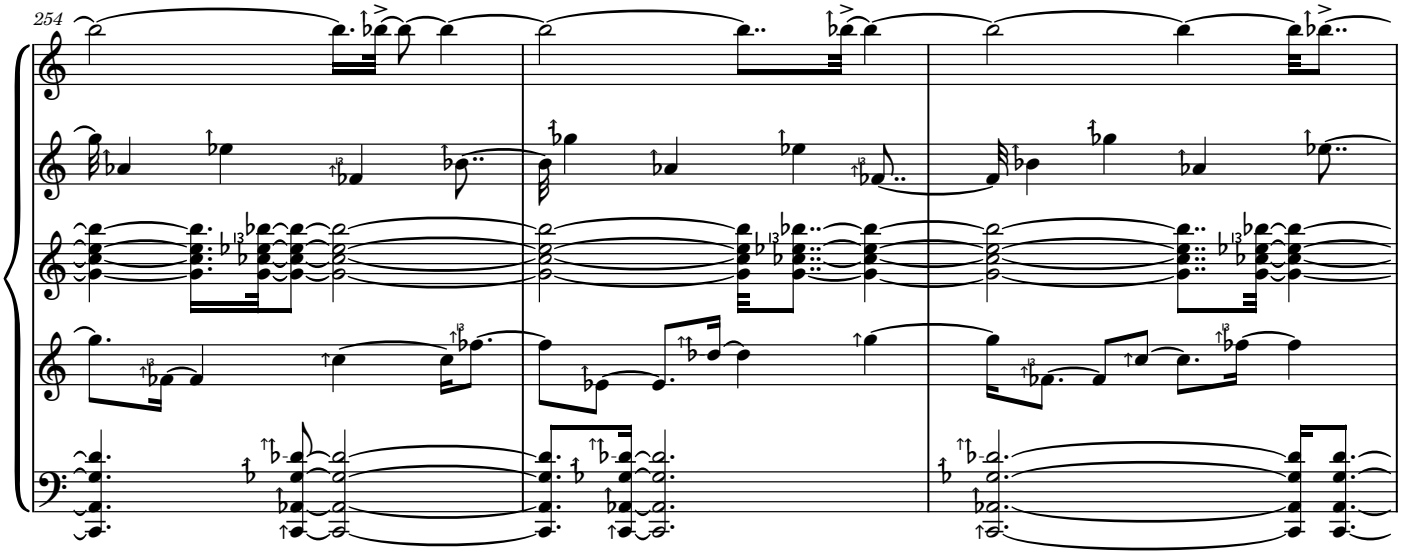

233
236
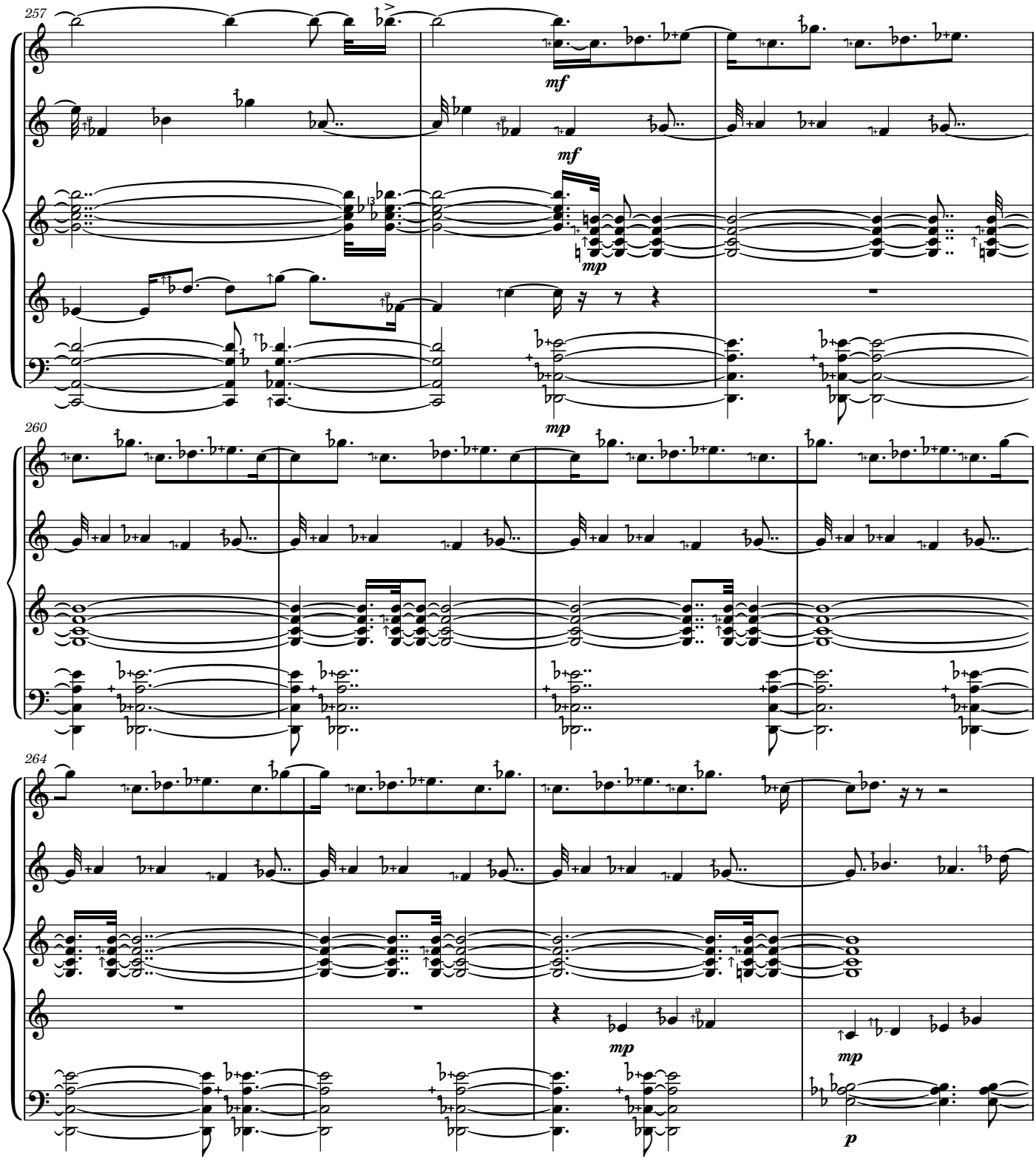

239
5
5
5
242
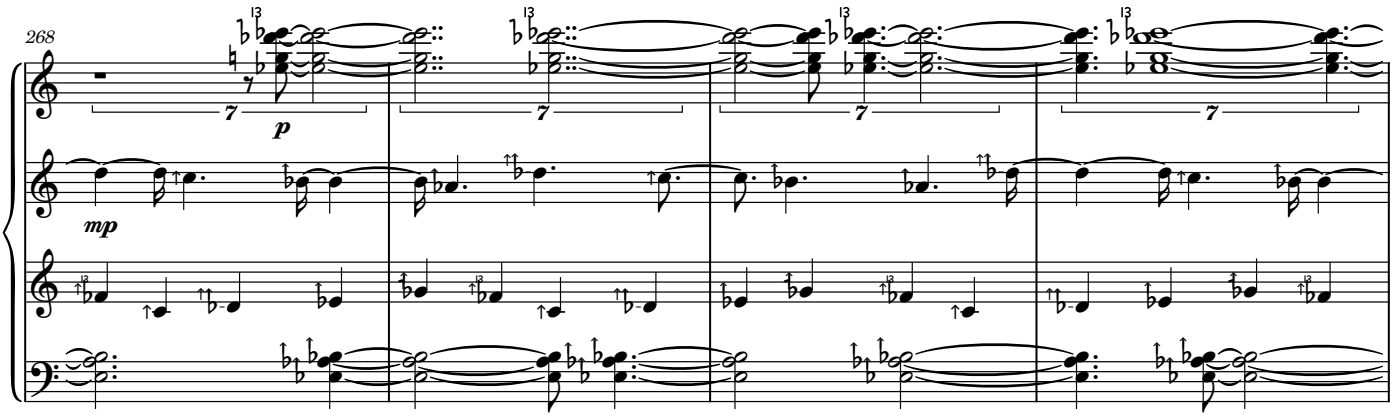

245

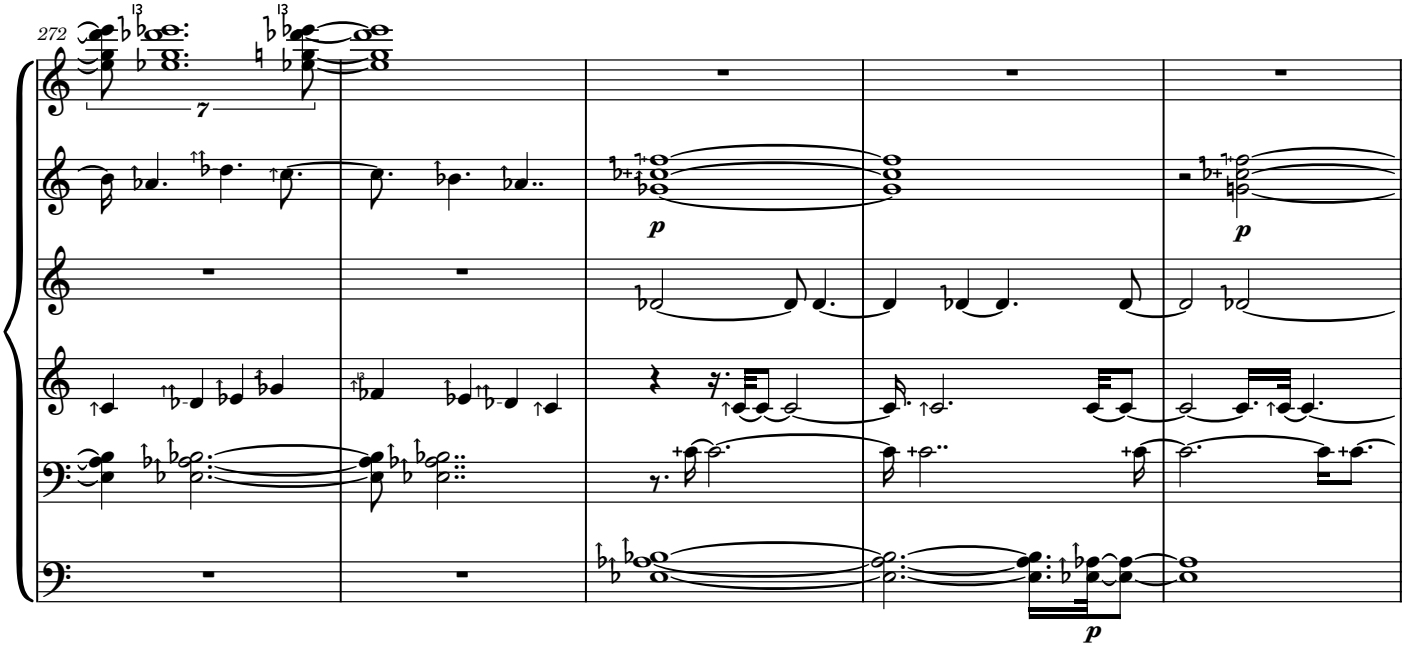

248
mf
mf
mf
mf
mp
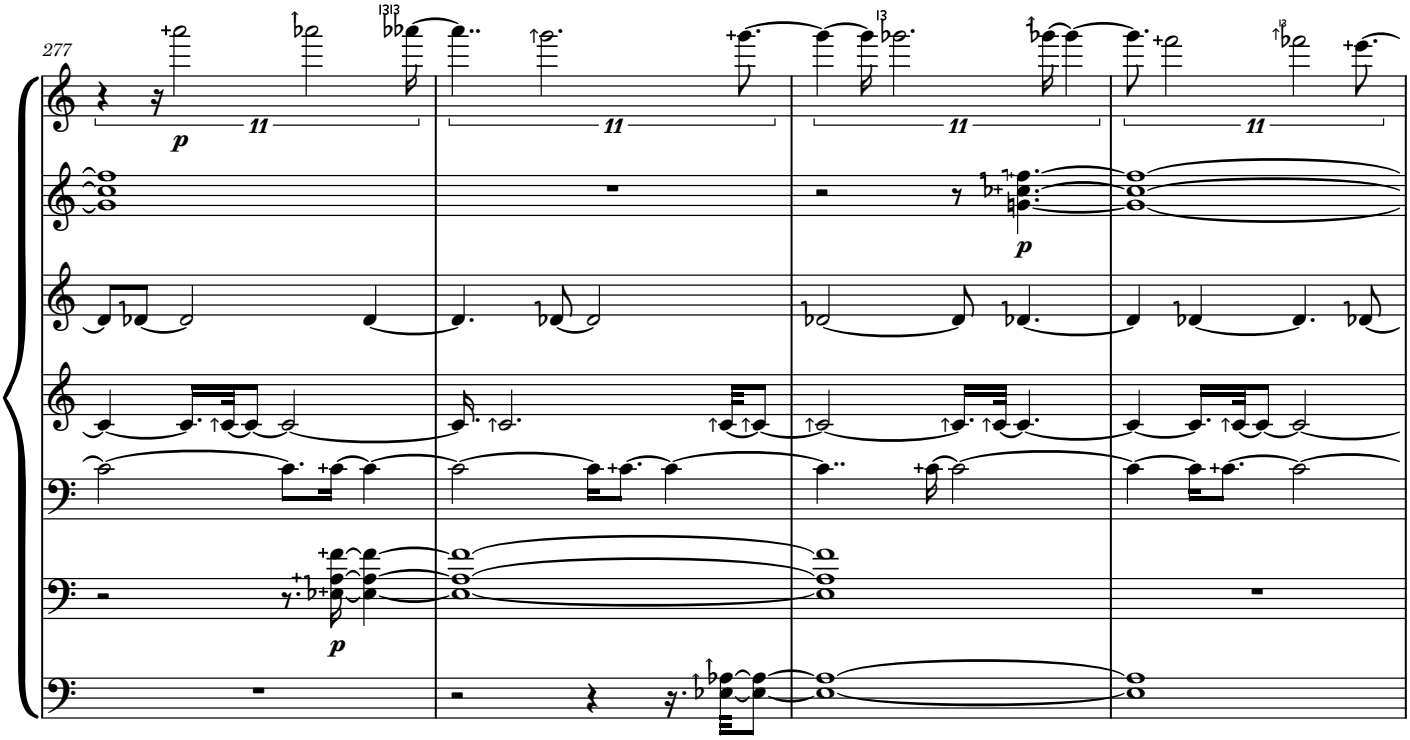

251

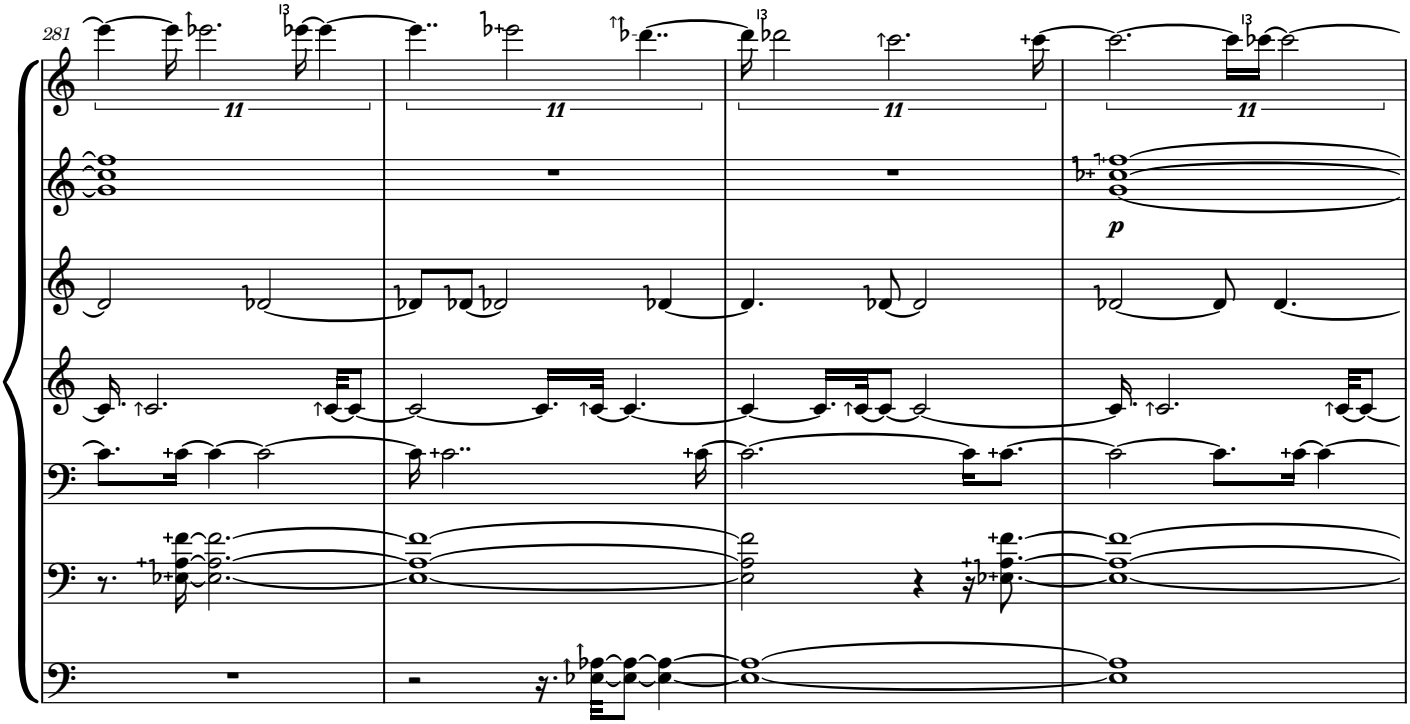

254
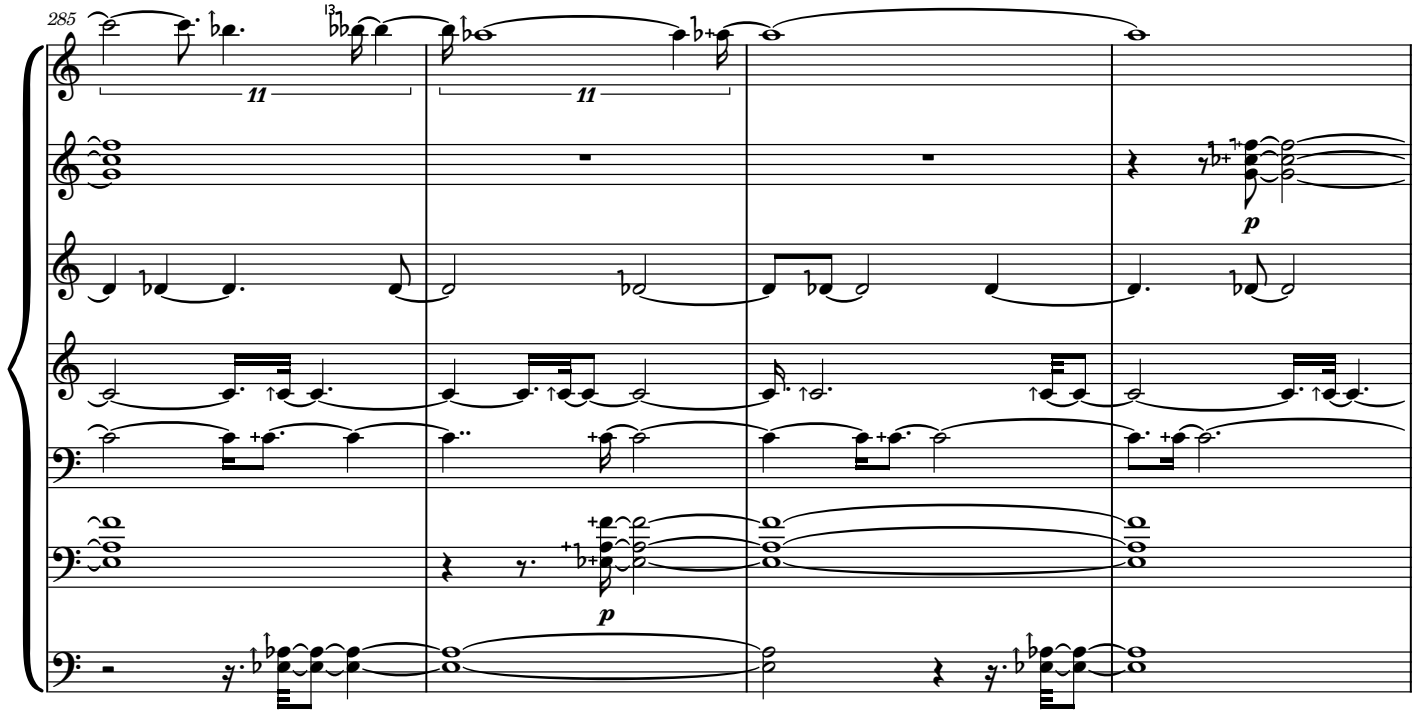

257
mf
mf
mp
260
mp
264
mp
mp
p

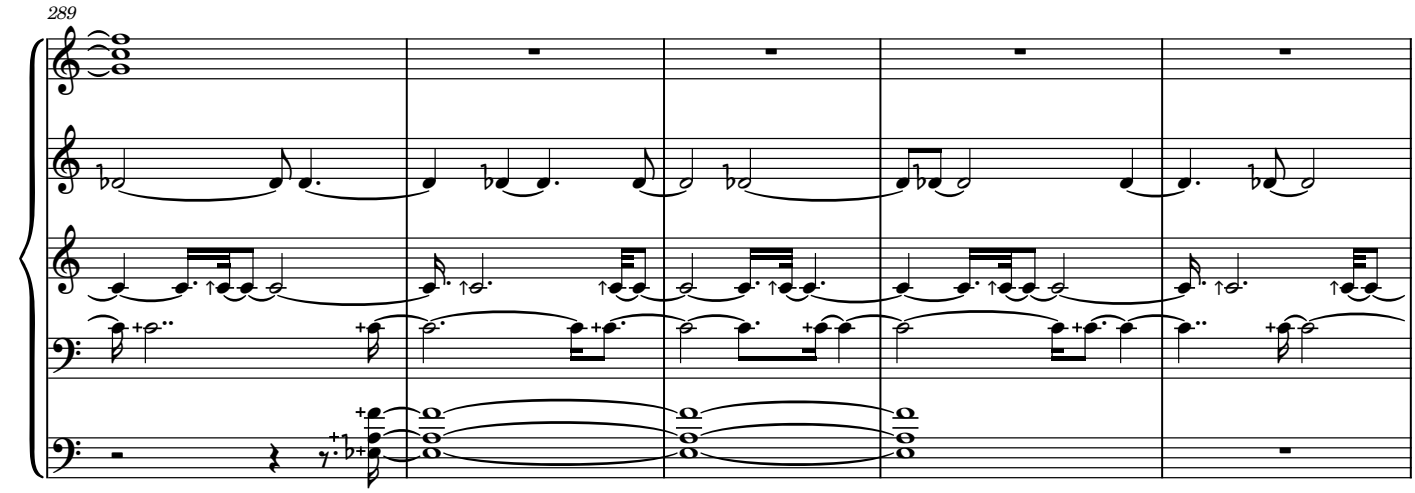

268
7
p
mp
7
7
7

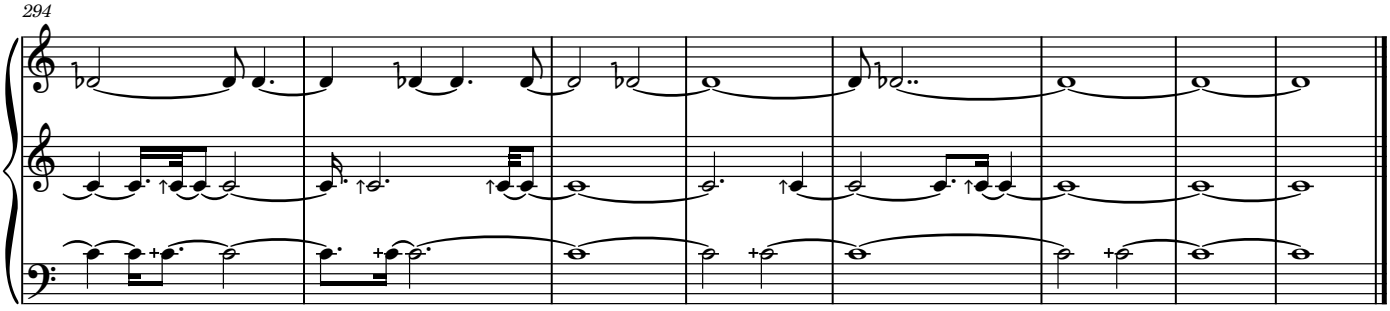

272
7
p
p
p


277
p
11
p
p


281
11
p


285
11
11
p
p
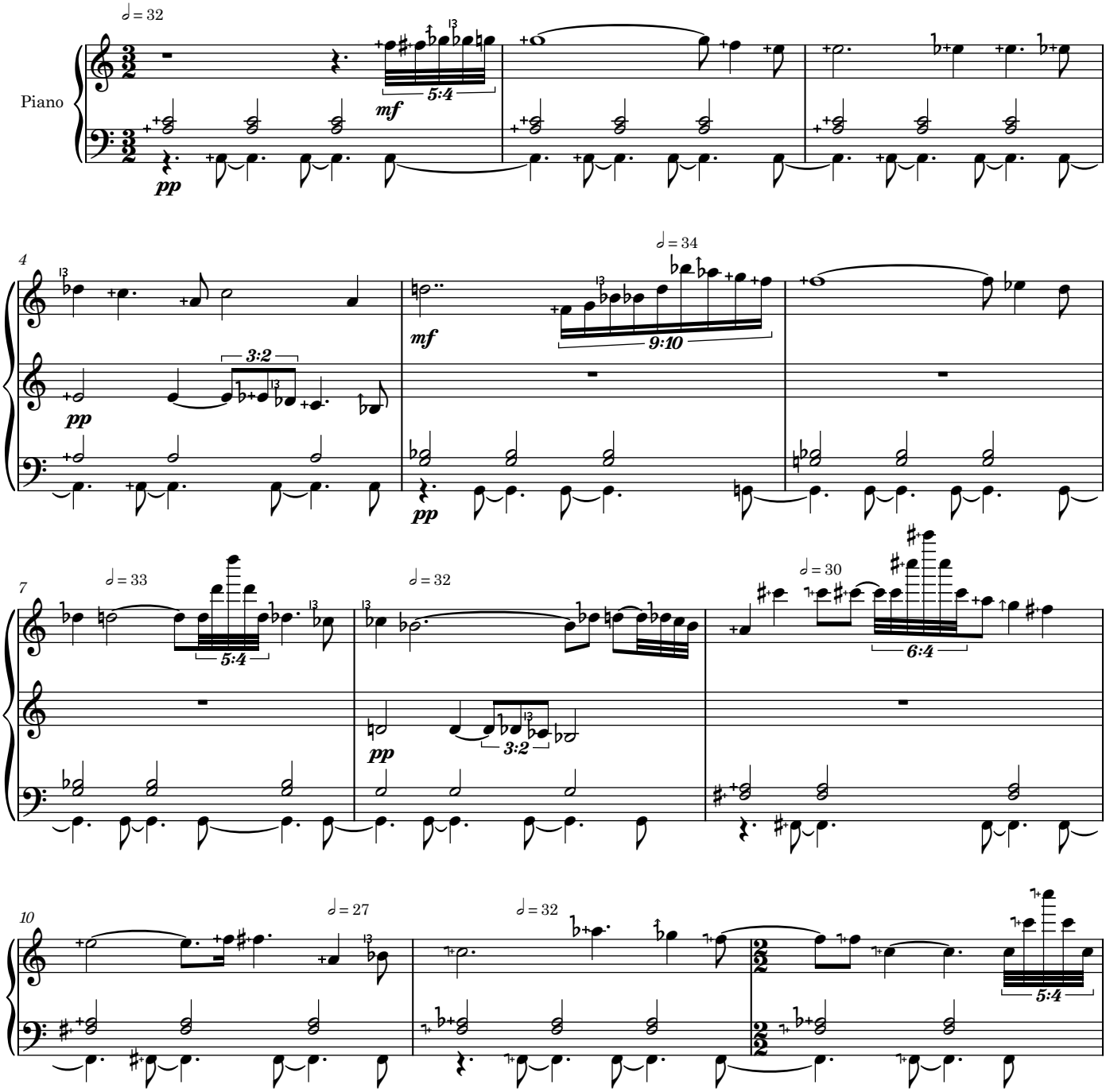

289
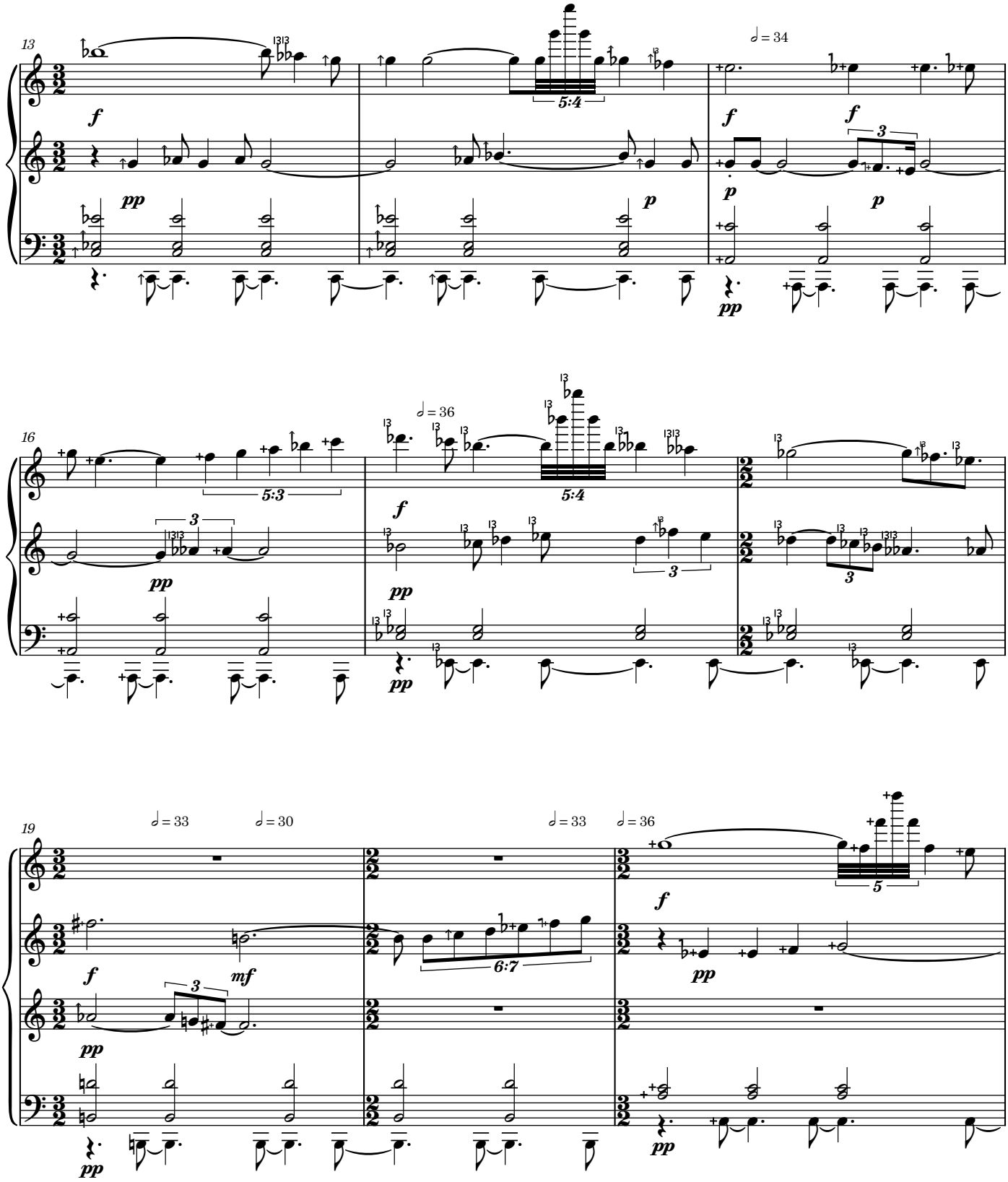


July 15 - August 18, 2015
Germantown, NY
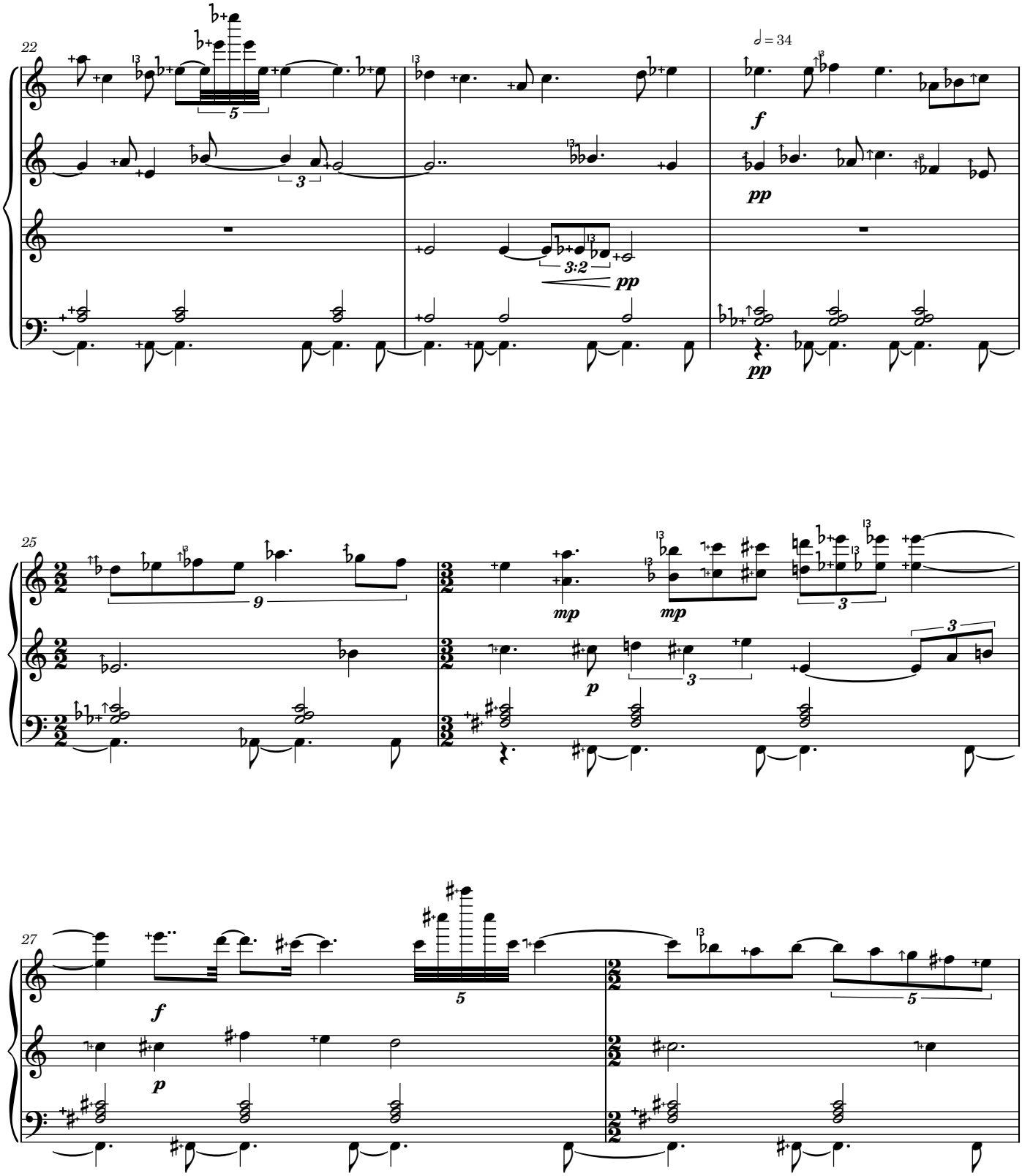
Pavane for a Dead Planet
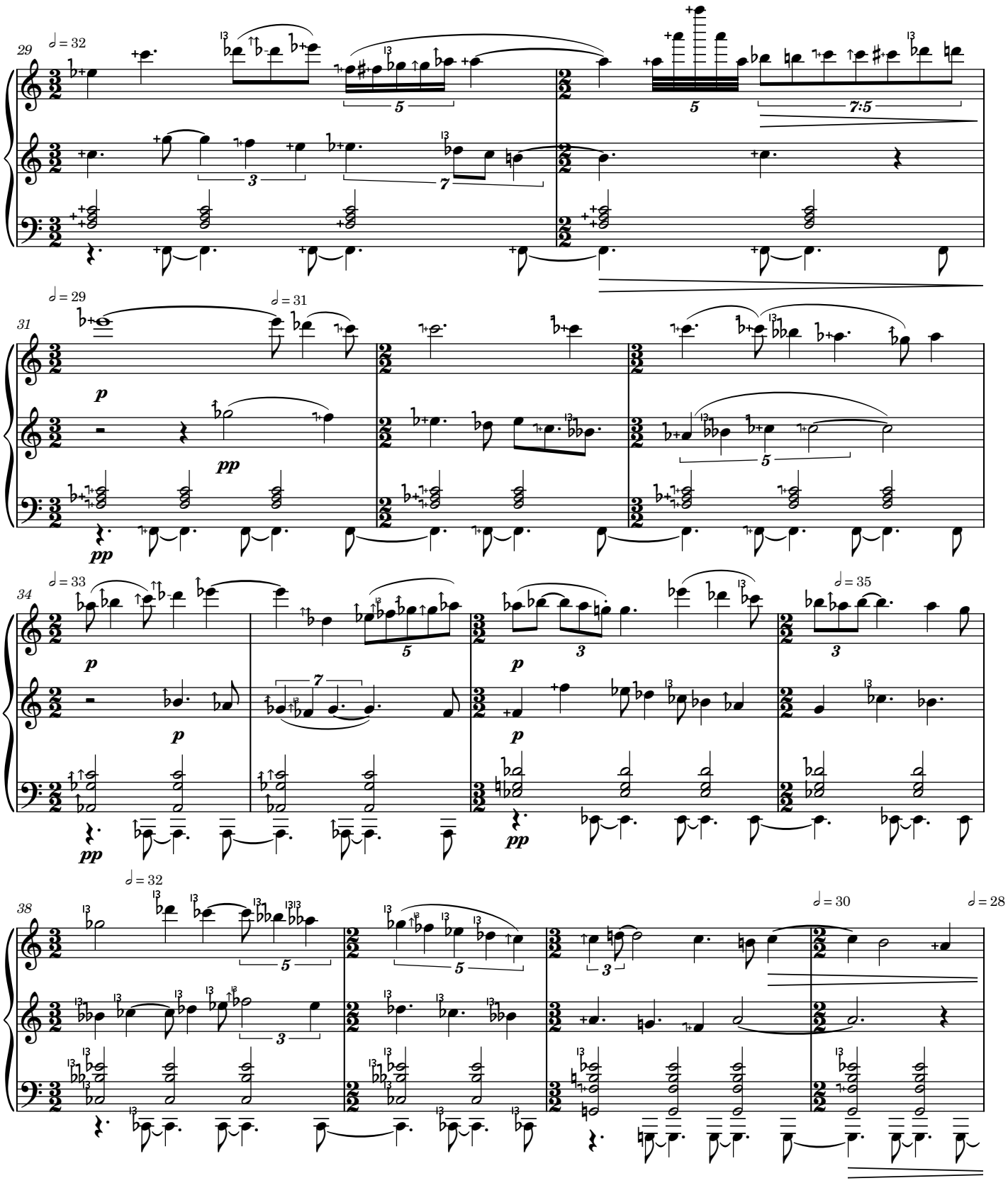
Kylr Gann
2016
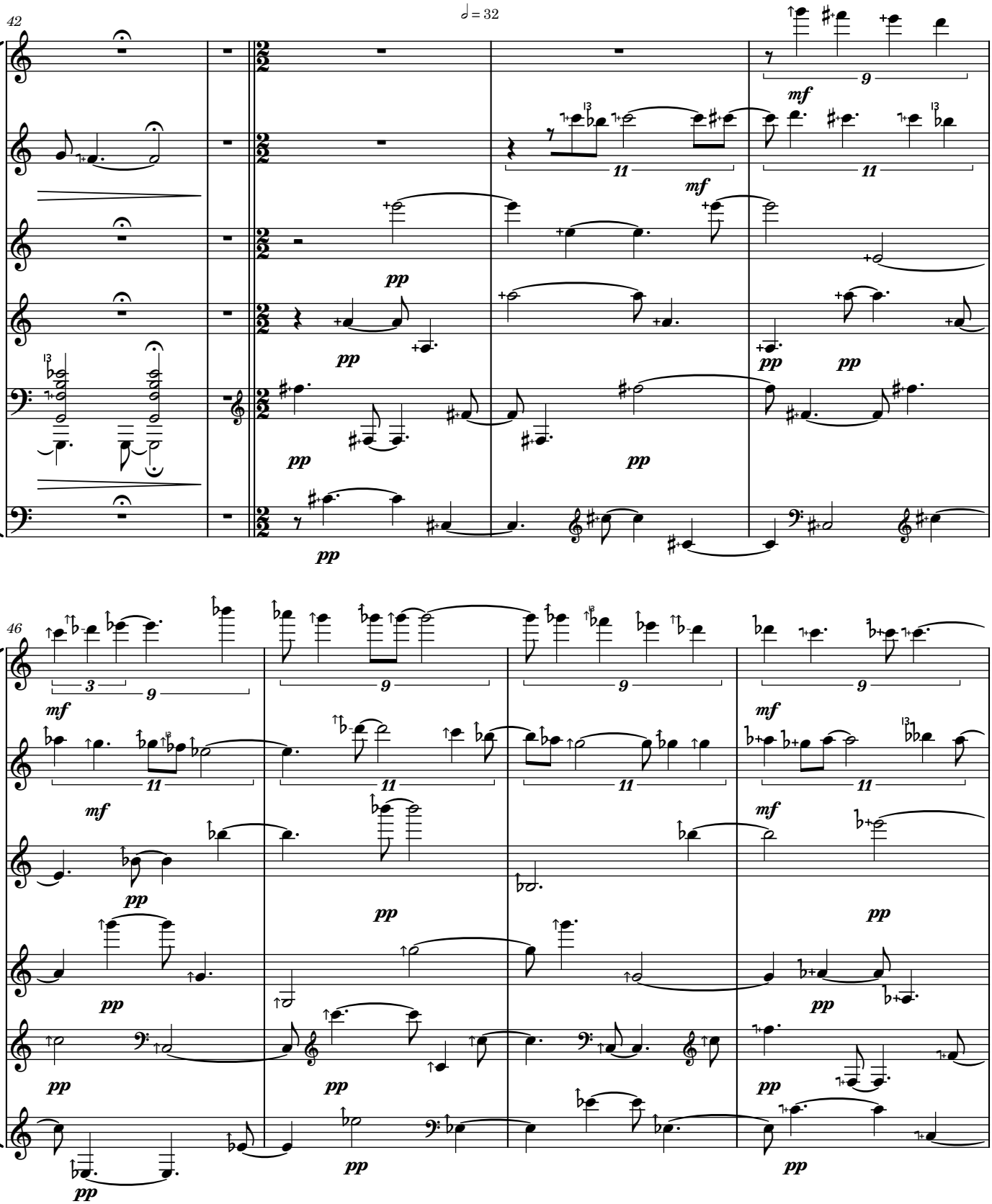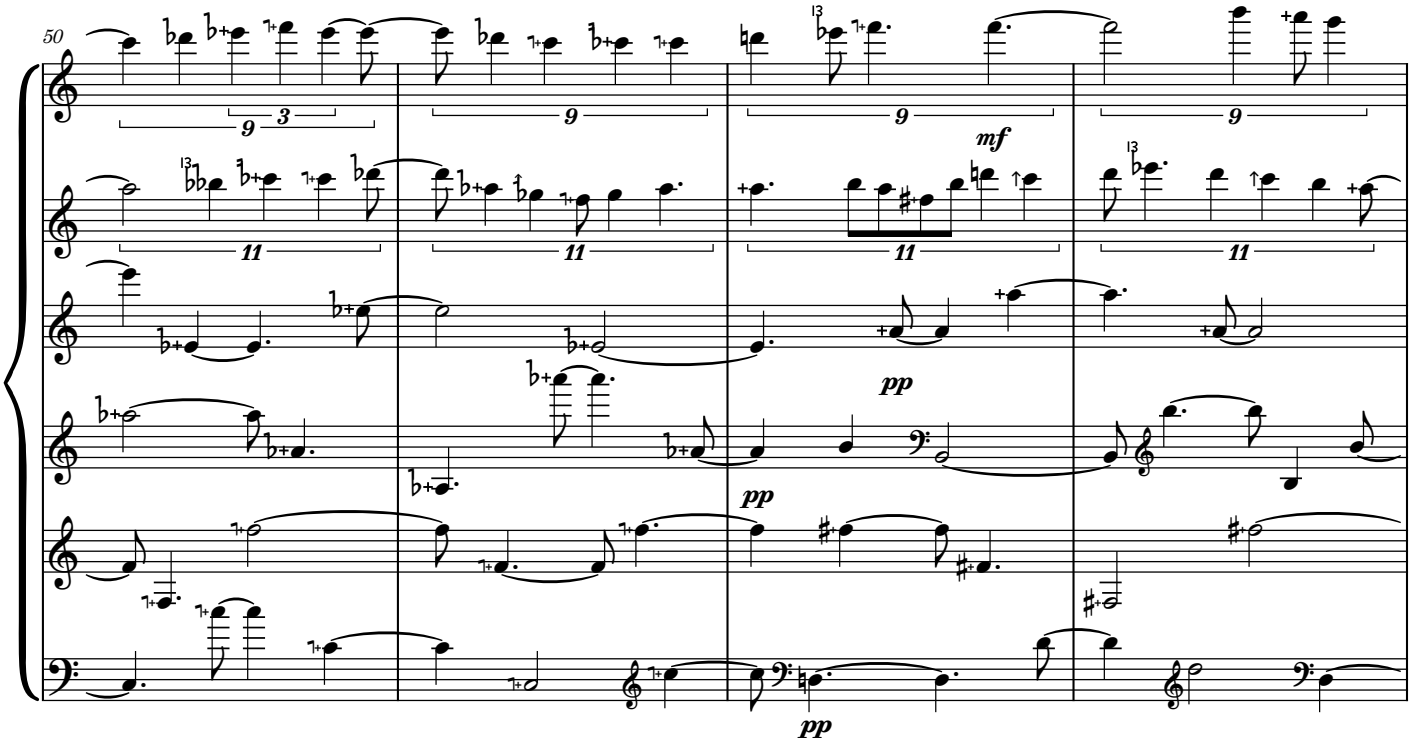


© 2016 Smith Grabholz Music
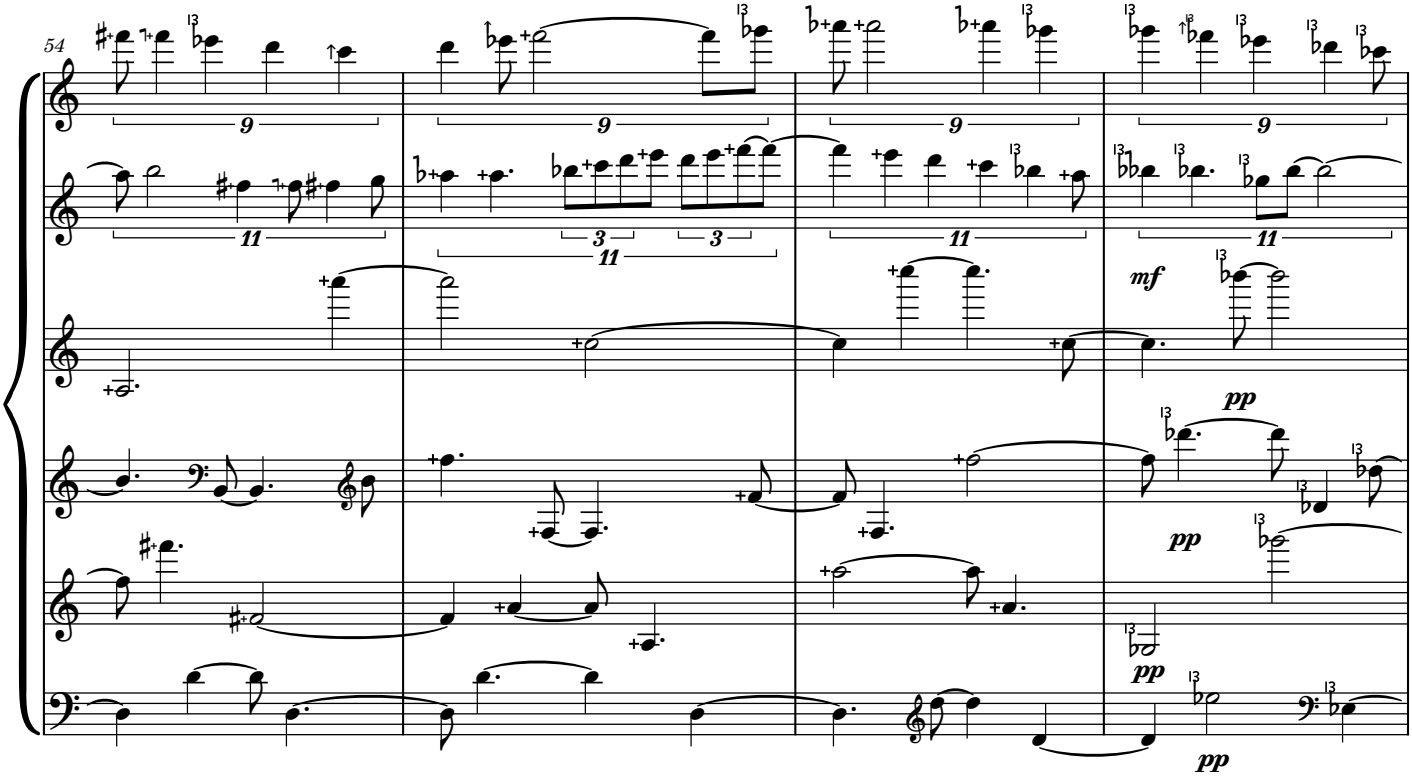

13
16
19
𝅗𝅥 = 34
𝅗𝅥 = 36
𝅗𝅥 = 33
𝅗𝅥 = 30
5:4
5:3
6:7
f
mf
pp
p
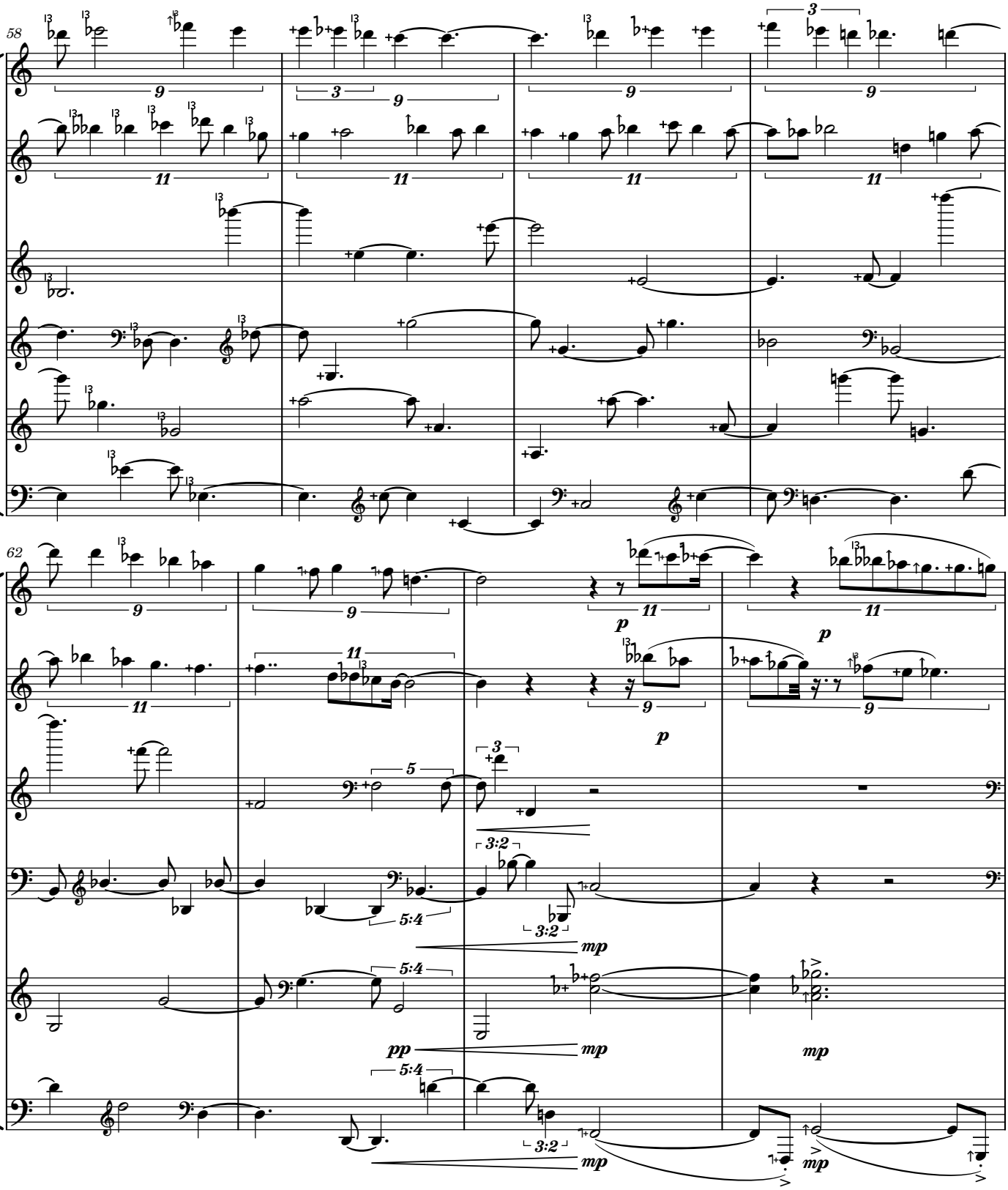

22
♩ = 34
f
pp
3:2
pp
pp
25
9
mp
mp
3
p
3
3
27
f
5
p
5
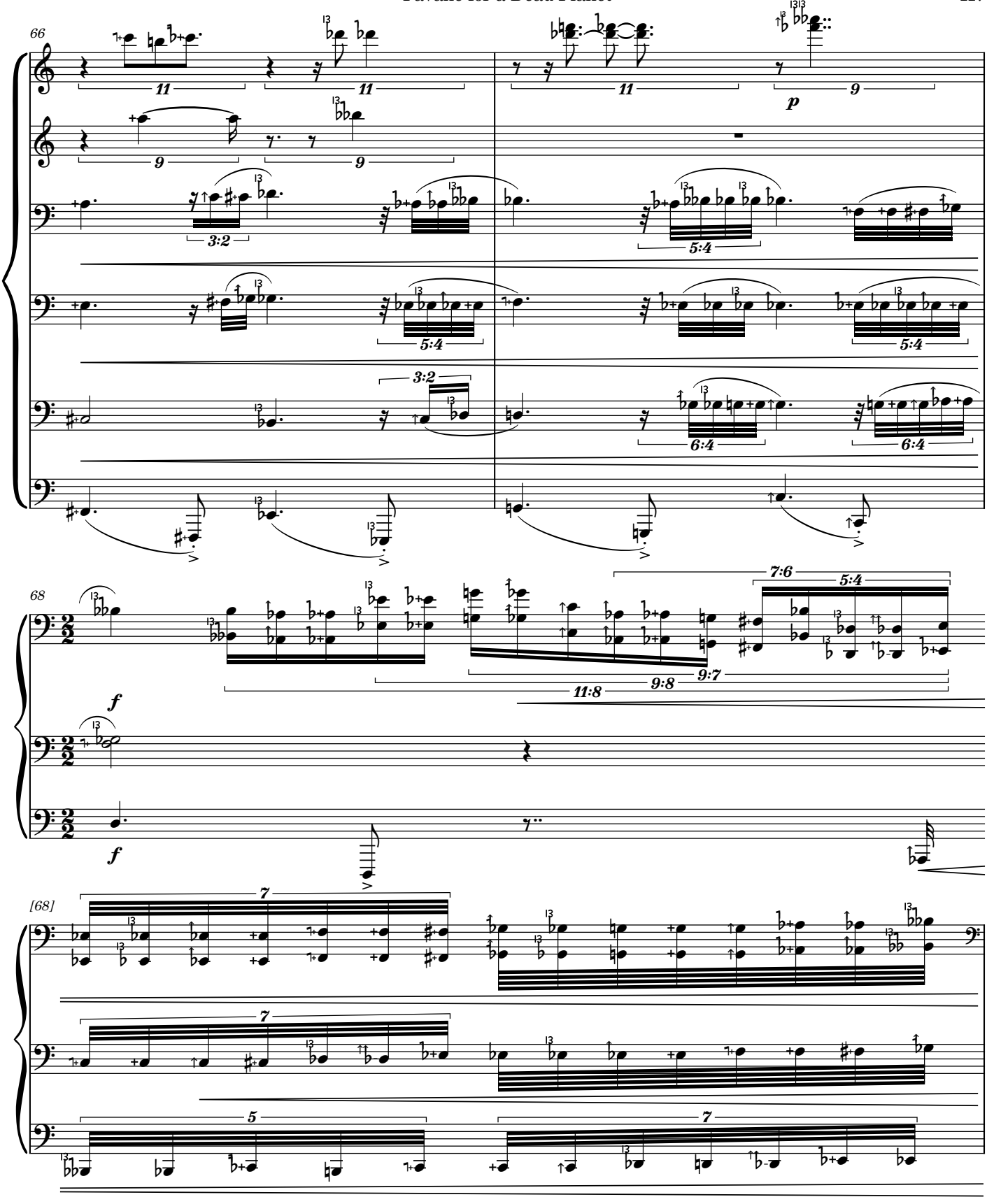

29
𝅗𝅥 = 32
5
3
7
5
7:5
31
𝅗𝅥 = 29
𝅗𝅥 = 31
p
pp
pp
5
34
𝅗𝅥 = 33
p
pp
7
5
p
pp
3
𝅗𝅥 = 35
3
38
𝅗𝅥 = 32
5
3
5
3
𝅗𝅥 = 30
𝅗𝅥 = 28
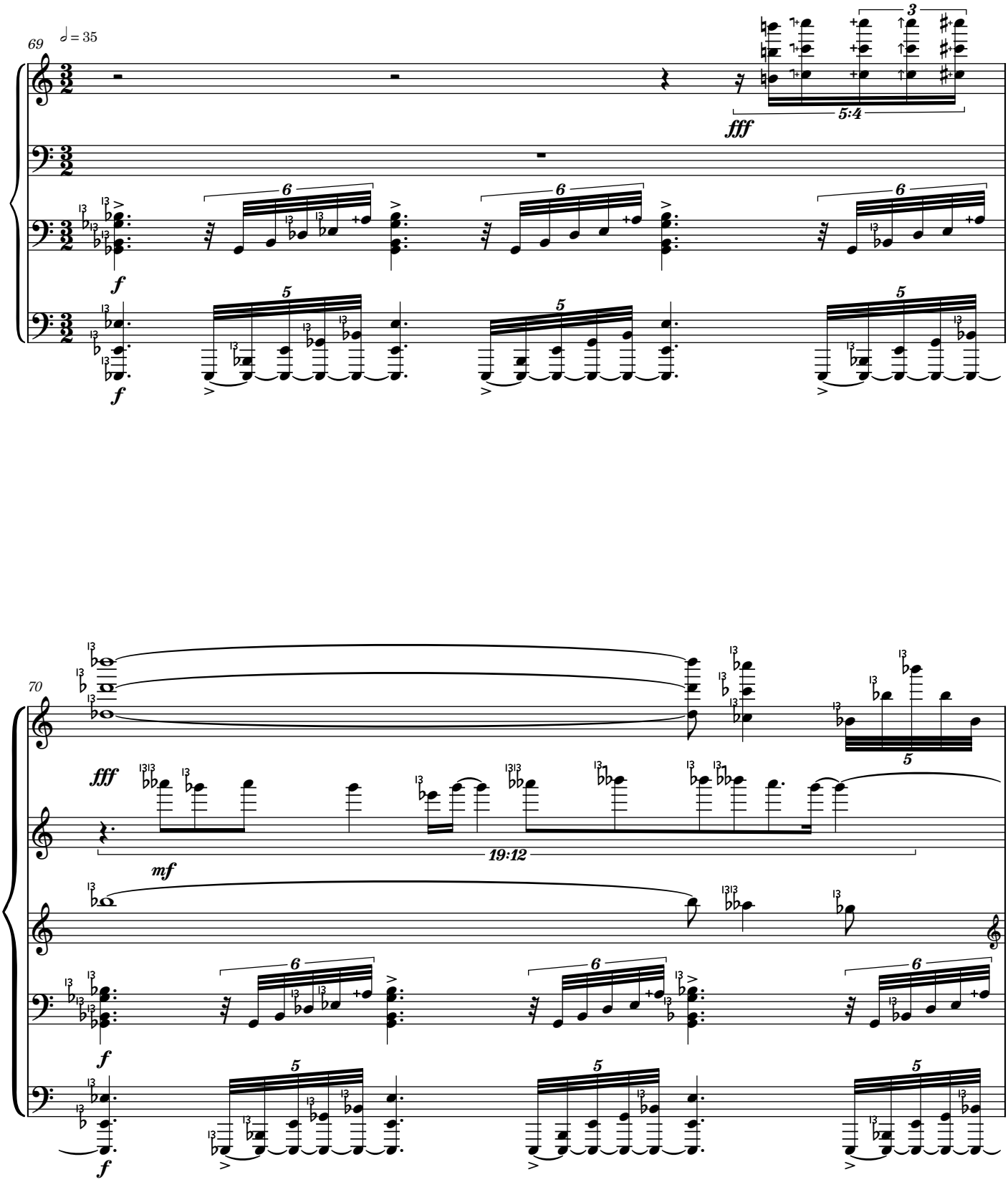

42
𝅗𝅥 = 32
mf
pp
46
mf
pp
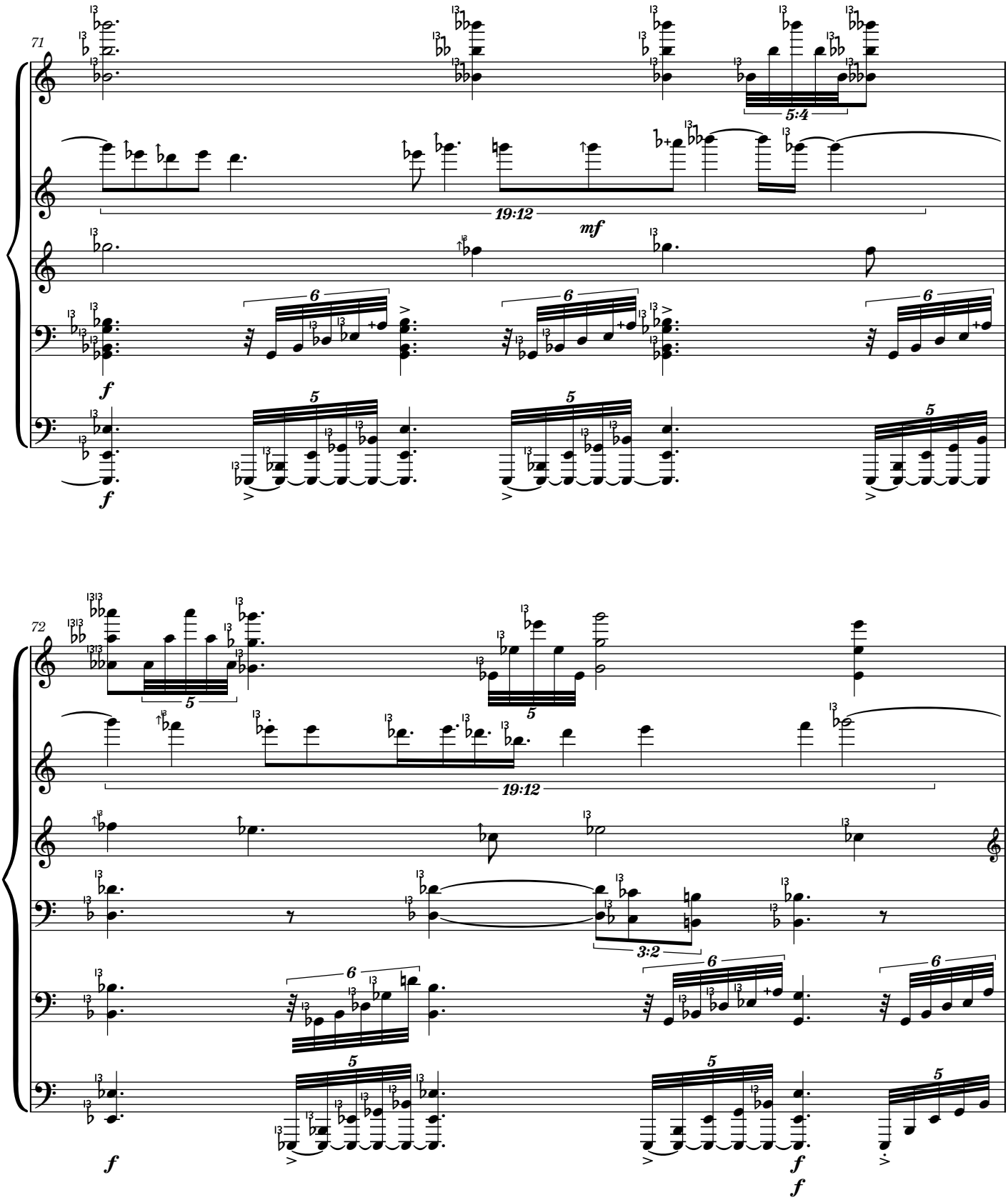

50
mf
pp
pp
pp

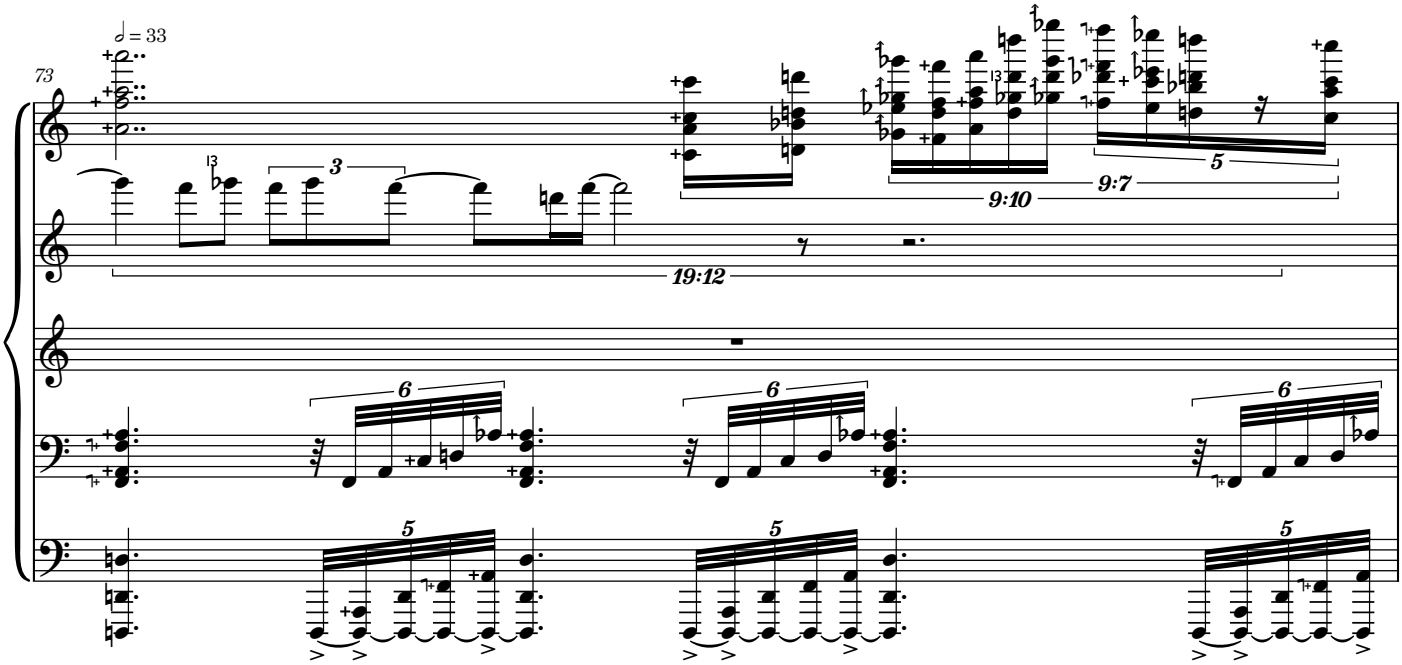

54
mf
pp
pp
pp
pp

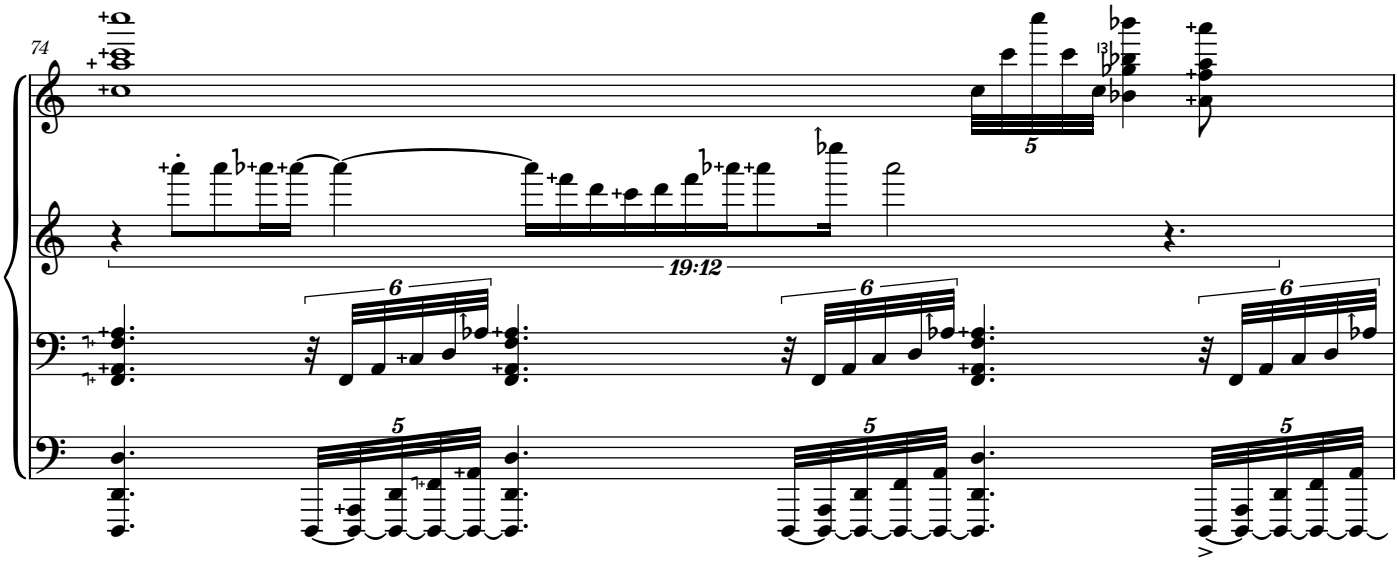

58
62
p
mp
pp

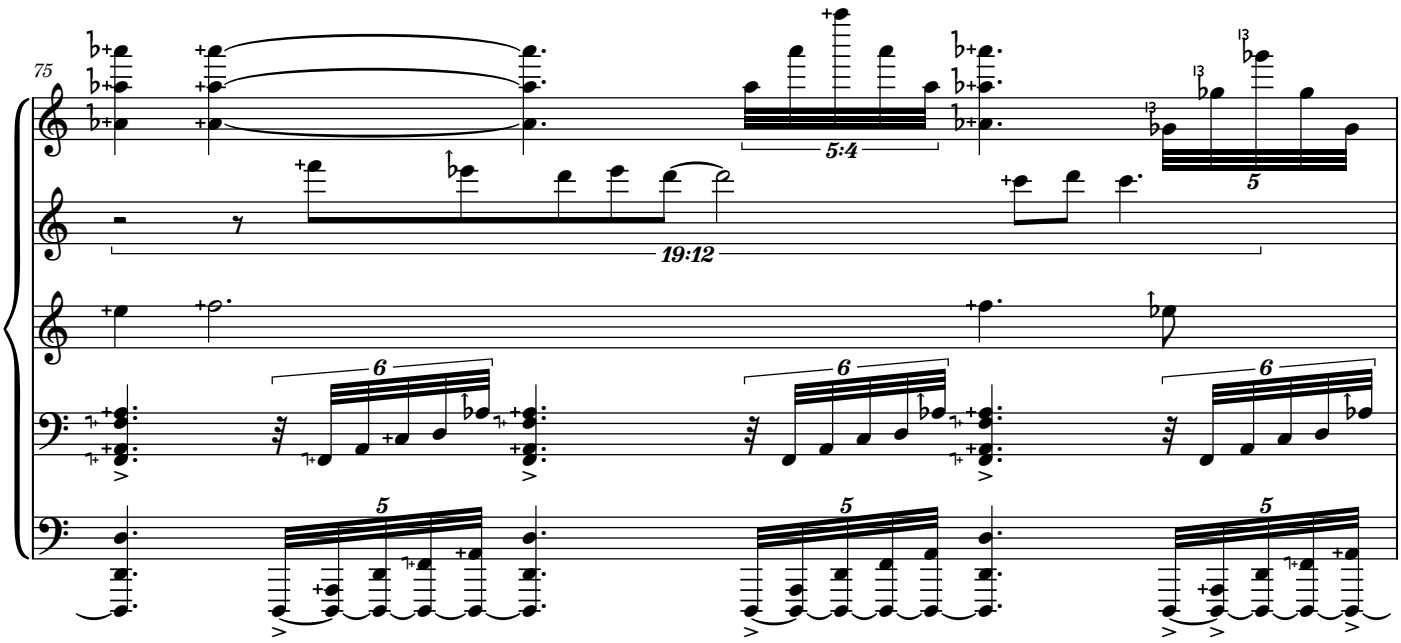

66
11
11
11
9
p
9
9
3:2
5:4
5:4
5:4
3:2
6:4
6:4
68
7:6
5:4
11:8
9:8
9:7
f
f
[68]
7
7
5
7

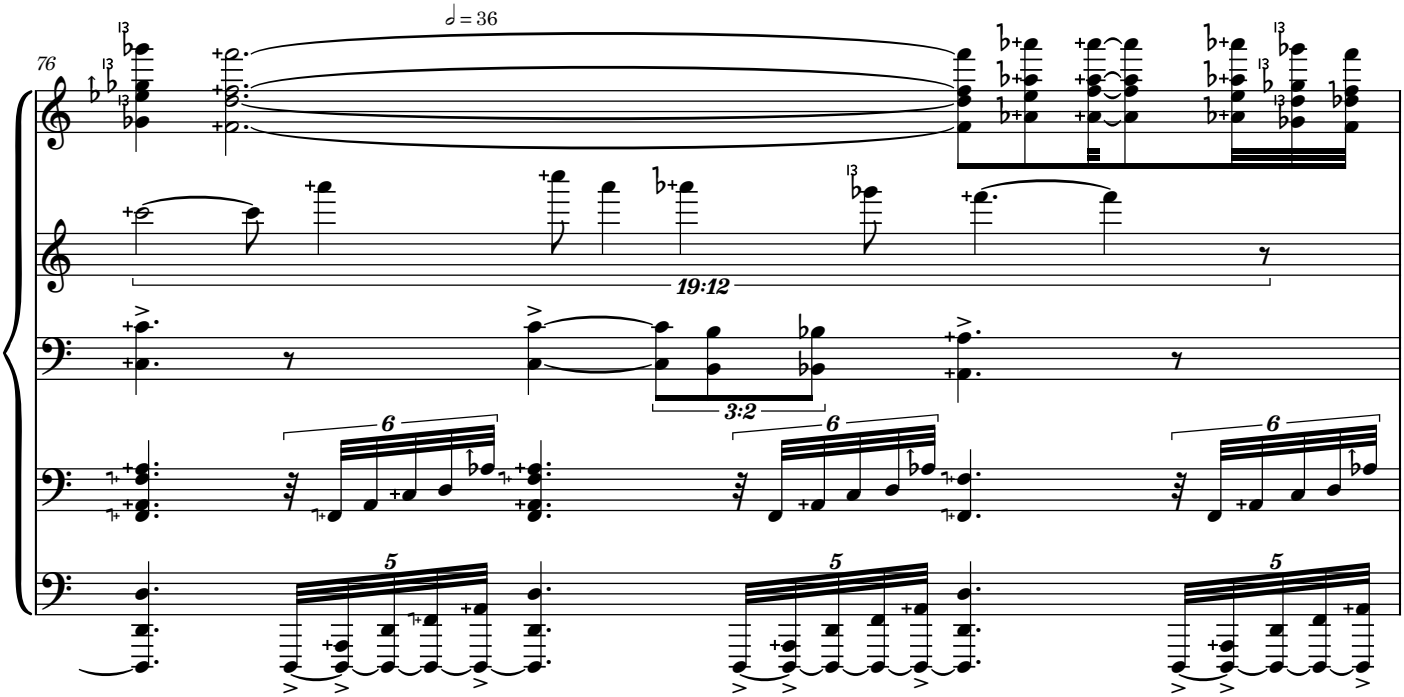

69
♩ = 35
fff
5:4
f
70
fff
mf
19:12

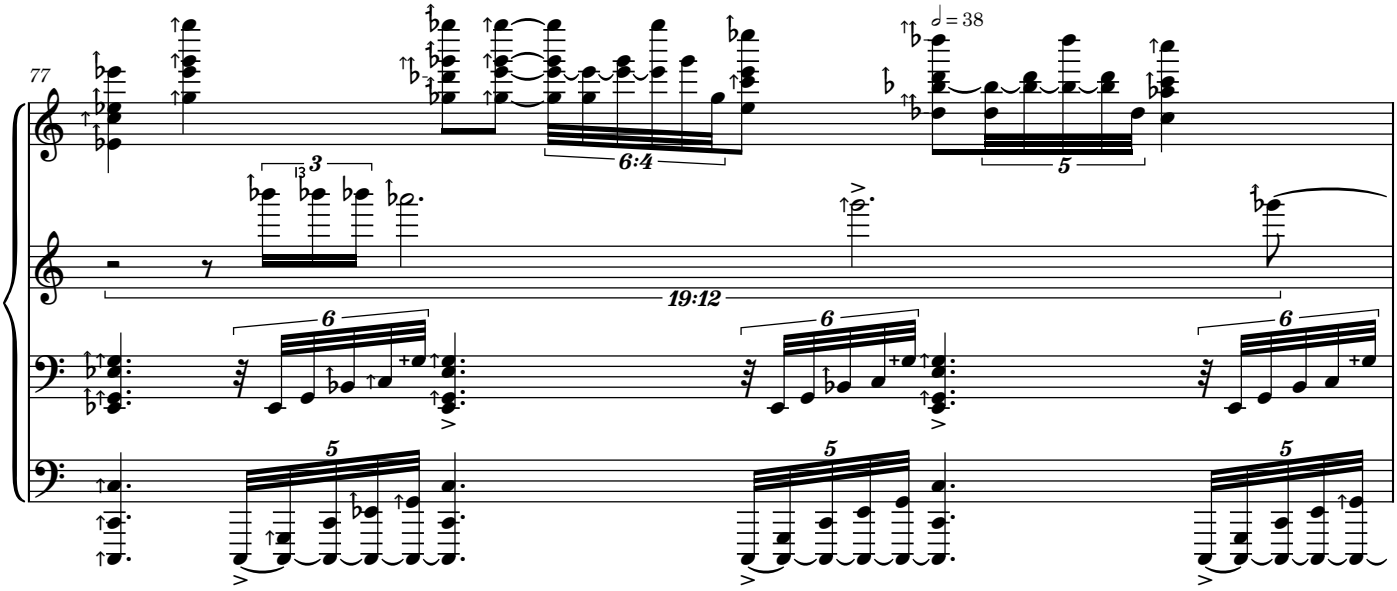

71
5:4
19:12
mf
f
f
72
19:12
3:2
f
f
f

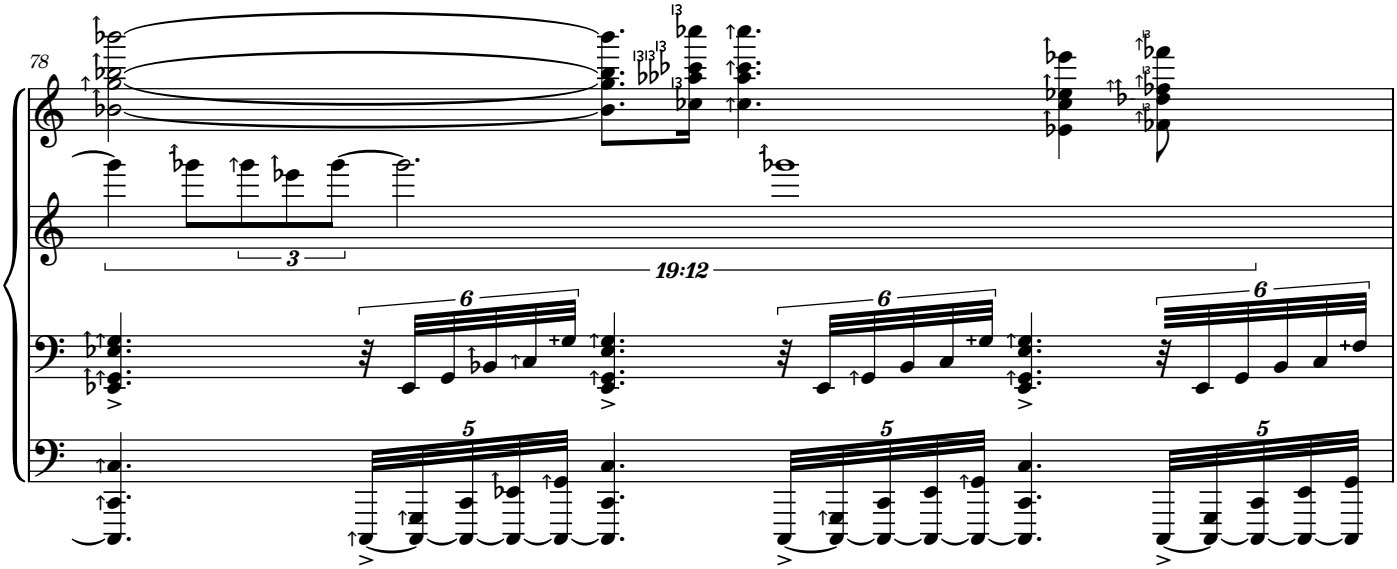

73
𝅗𝅥 = 33
3
9:10
9:7
5
19:12
6
6
6
5
5
5

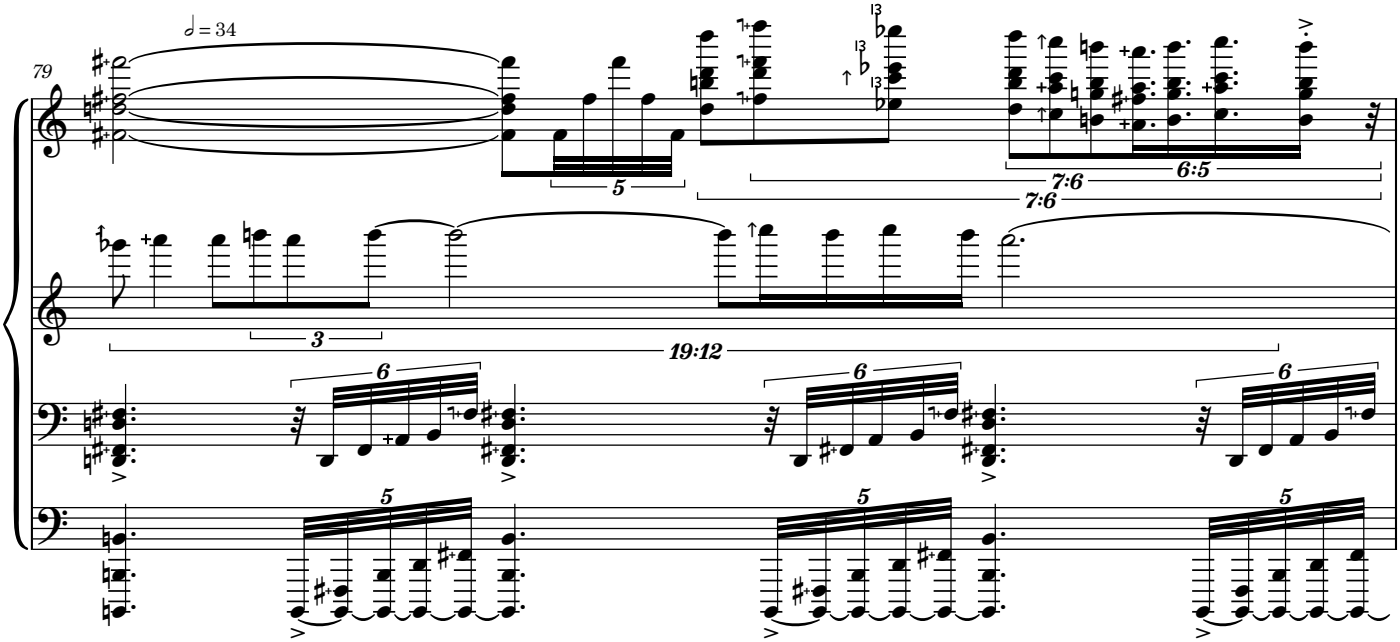

74
5
19:12
6
6
6
5
5
5

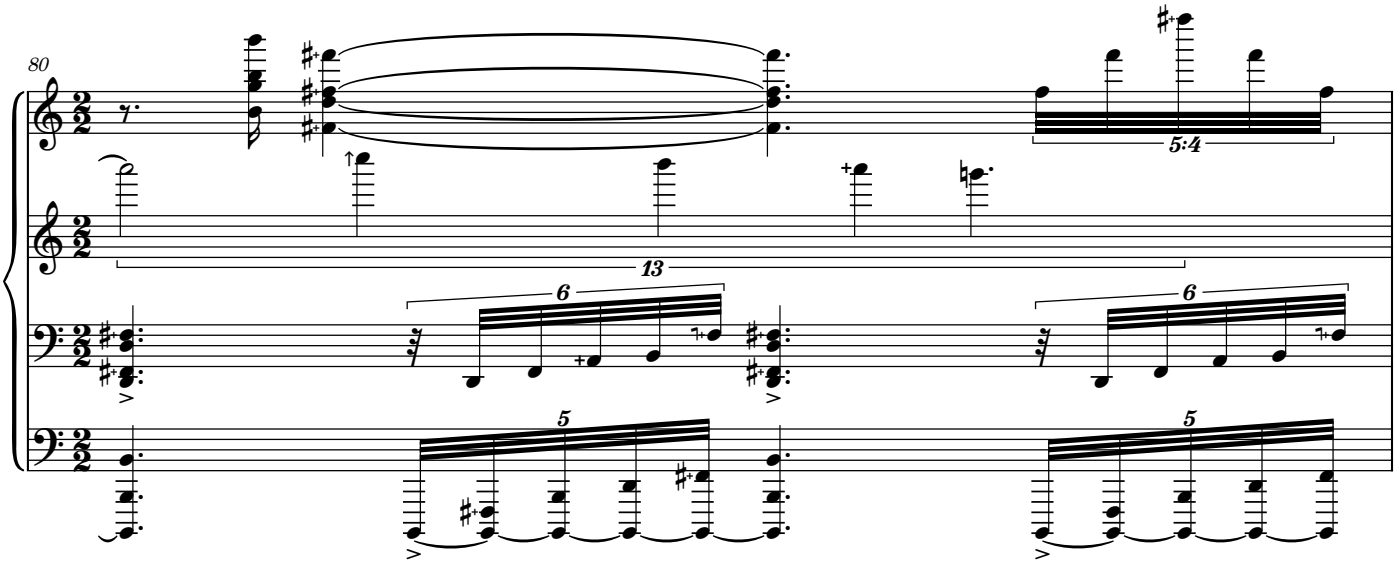

75
5:4
19:12
6
5

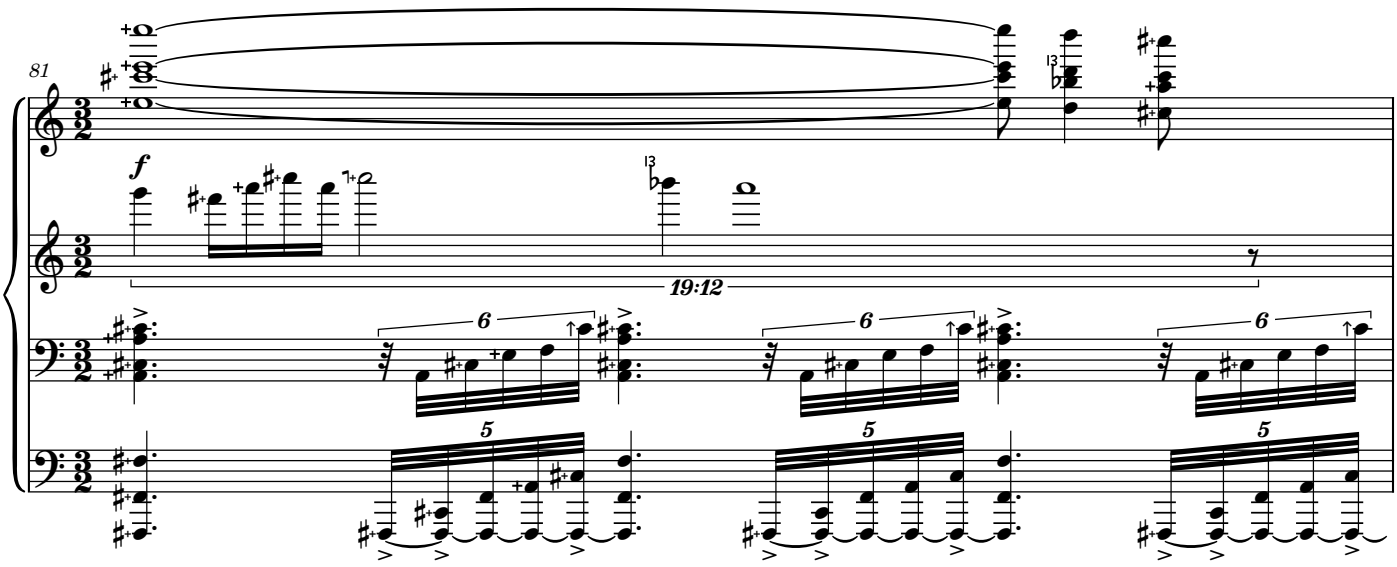

76
♩ = 36
19:12
3:2
6
5

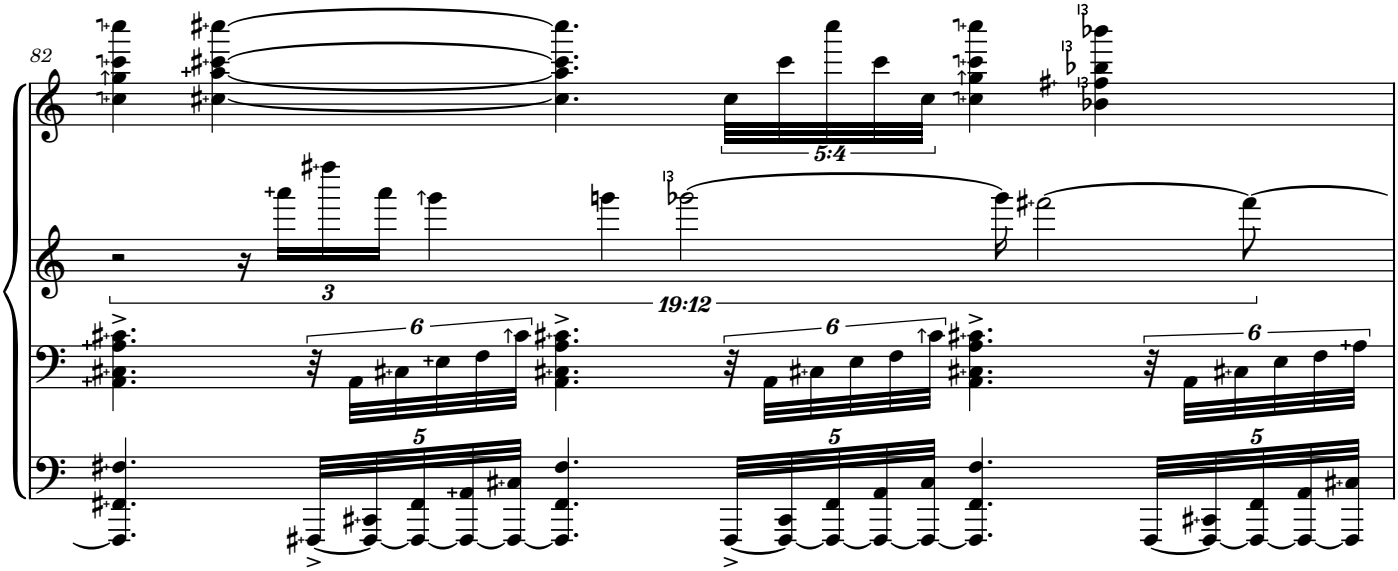

77
𝅗𝅥 = 38
3
6:4
5
19:12
6
5

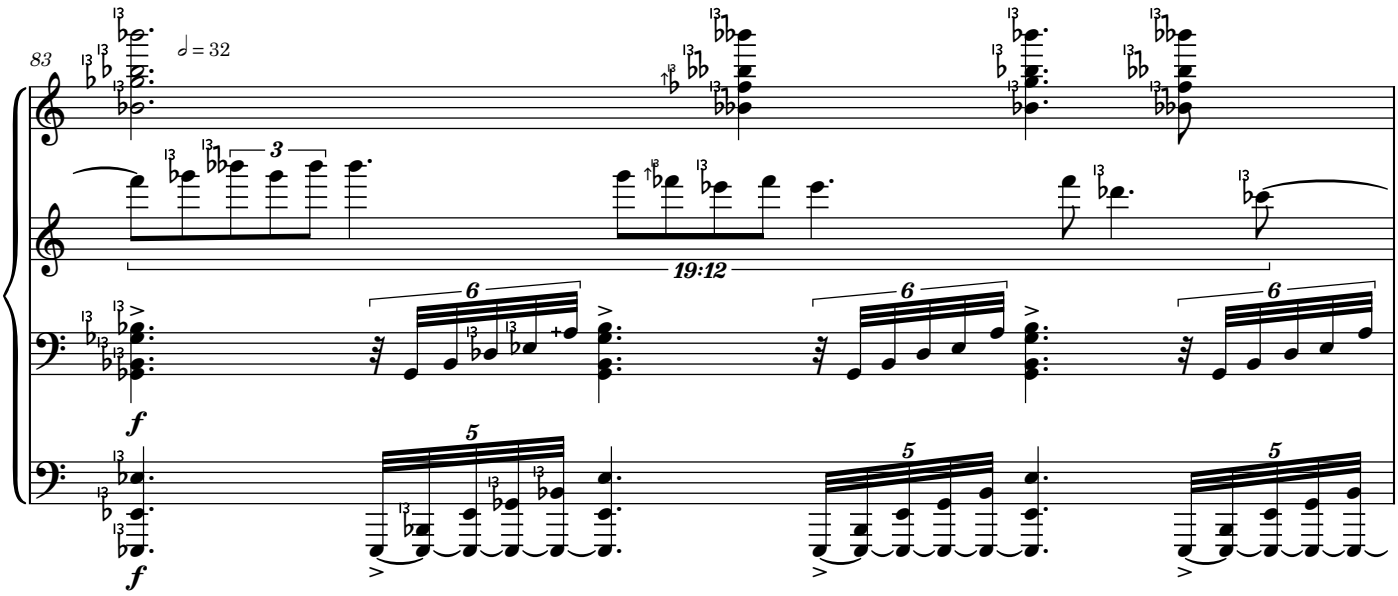

78
3
19:12
6
5

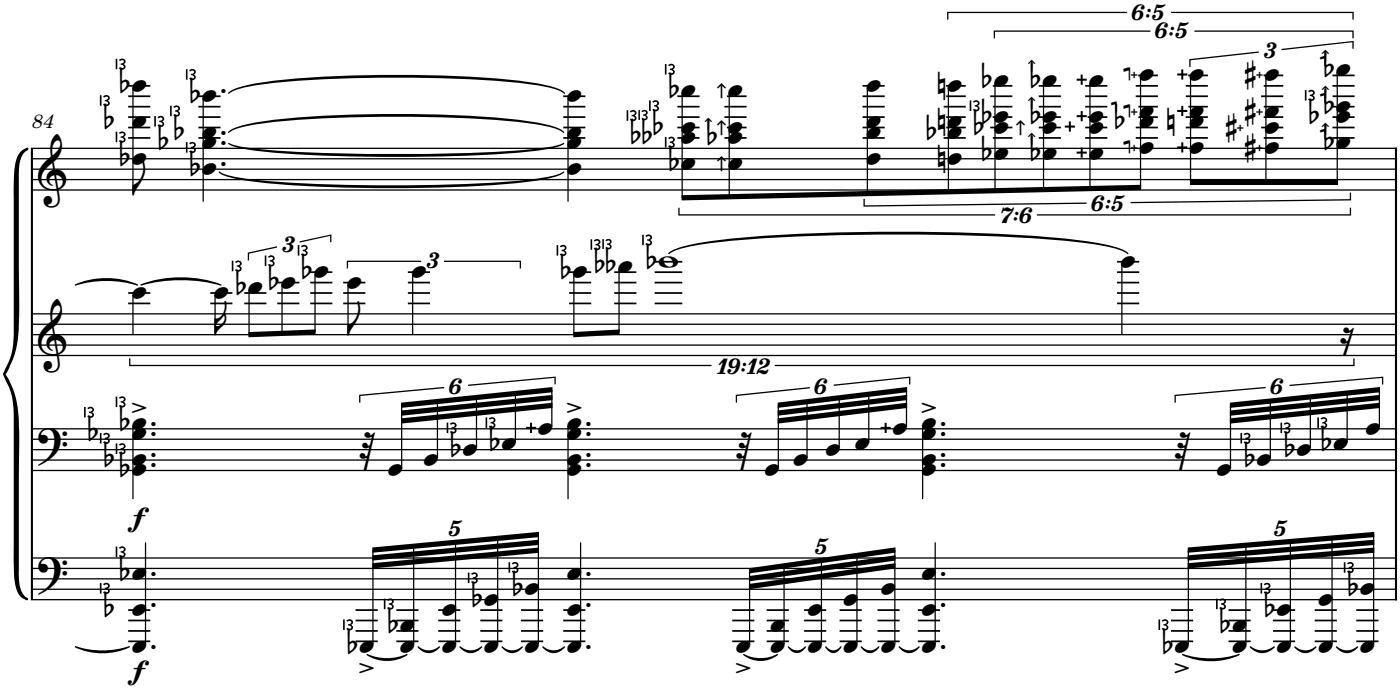

79
𝅗𝅥 = 34
5
7:6
6:5
7:6
3
19:12
6
6
6
5
5
5

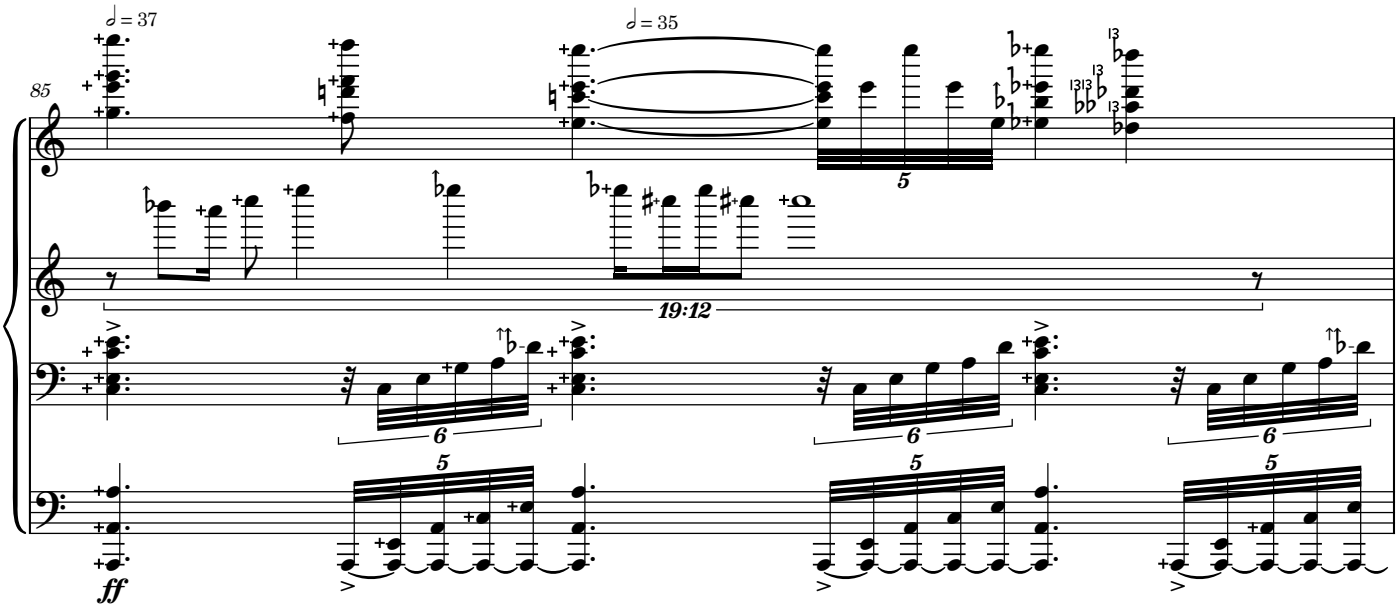

80
5:4
13
6
6
5
5

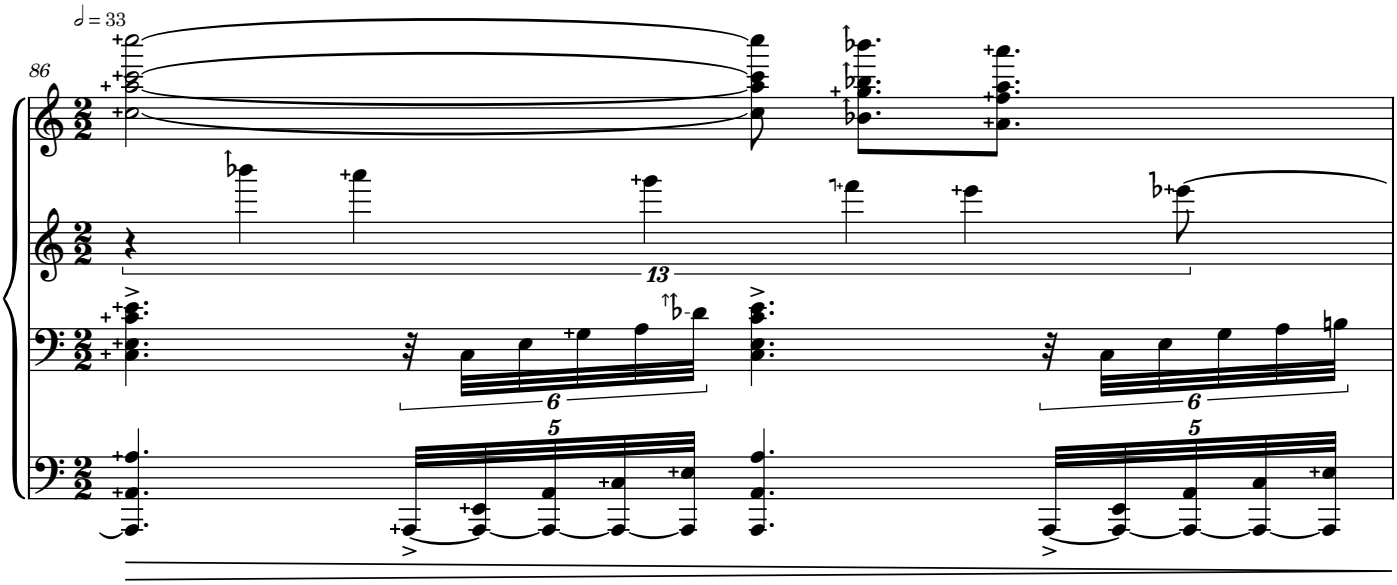

81
f
19:12
6
5
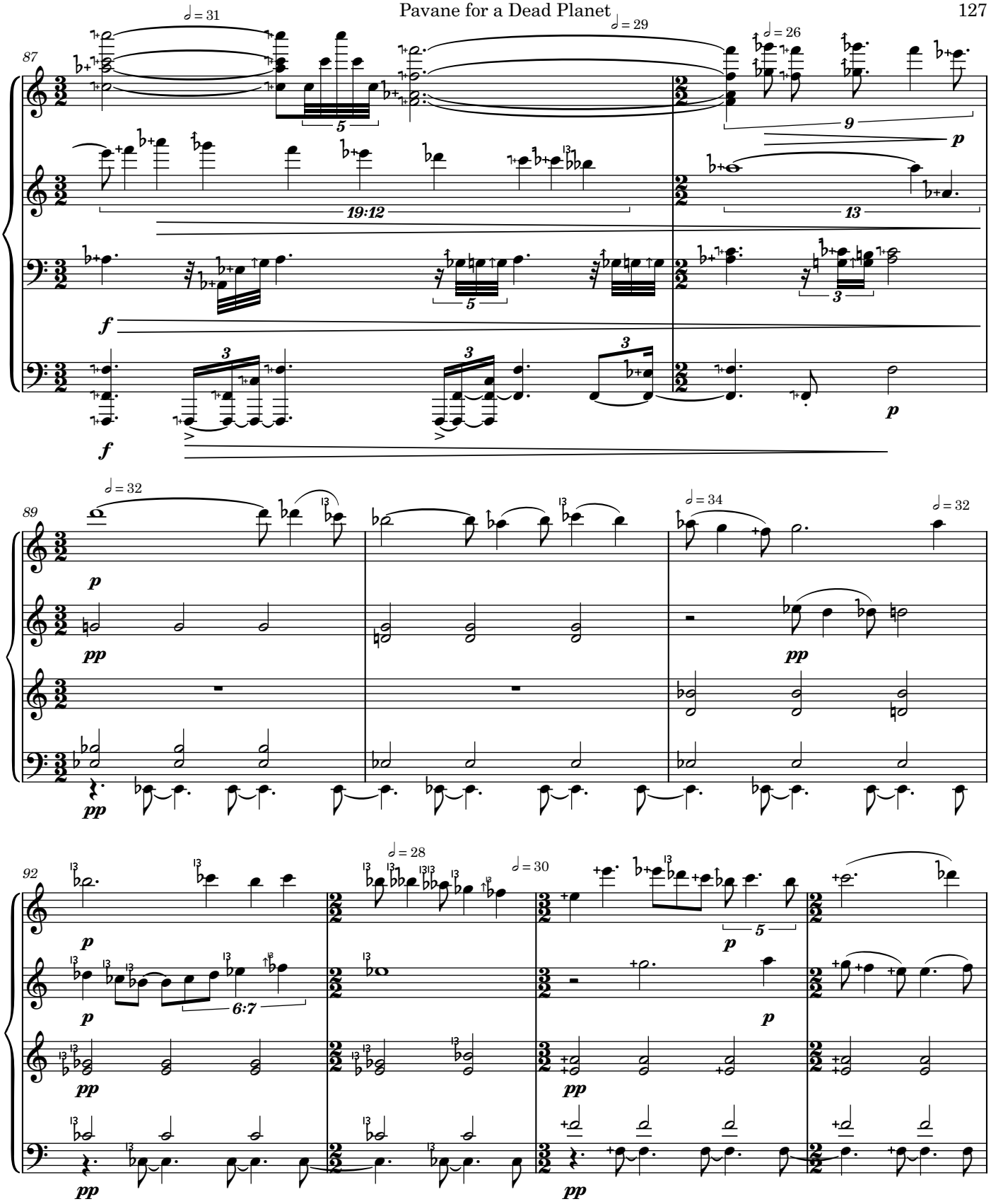

82
5:4
3
19:12
6
5
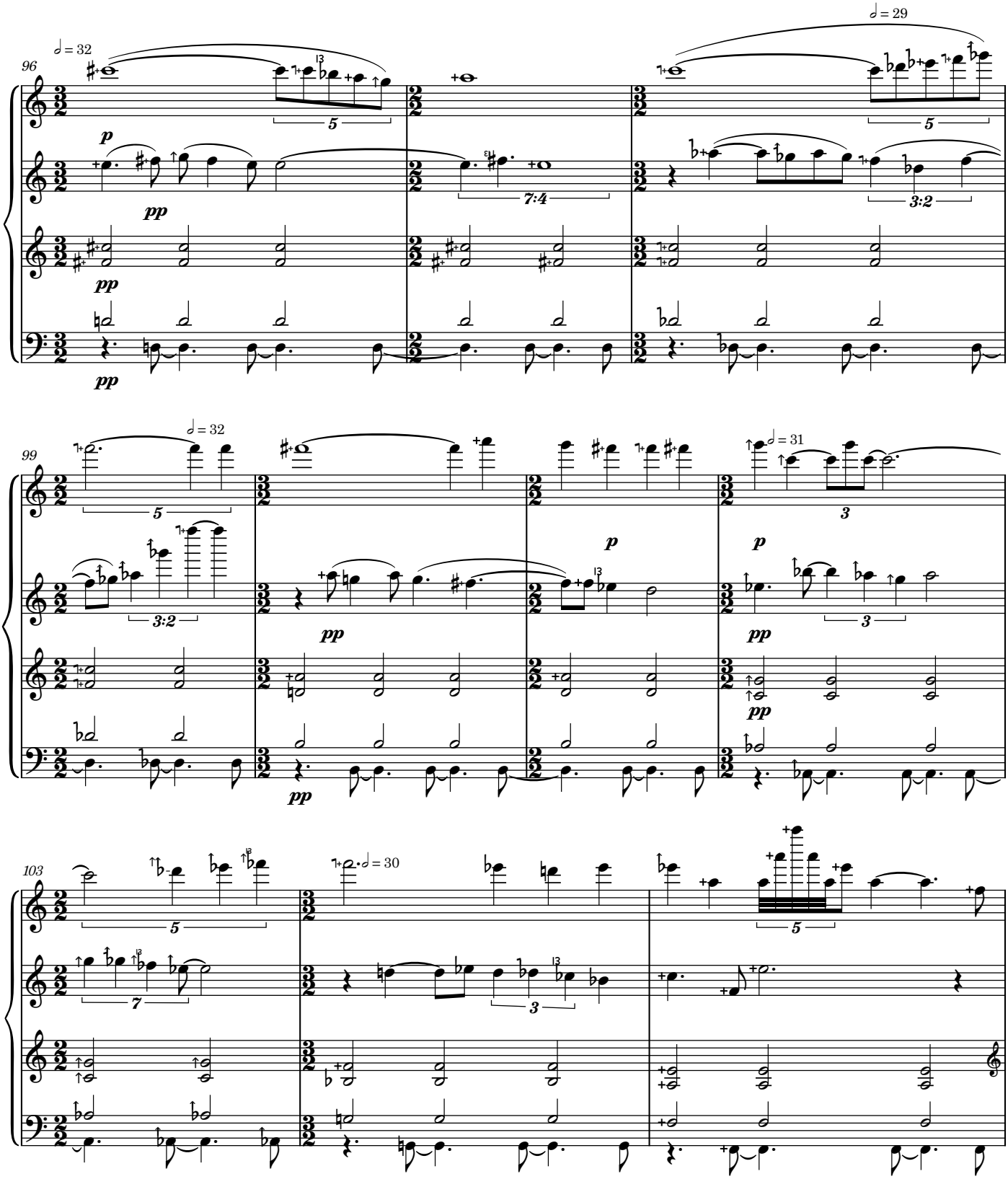

83
𝅗𝅥 = 32
3
19:12
6
6
6
f
5
5
5
f
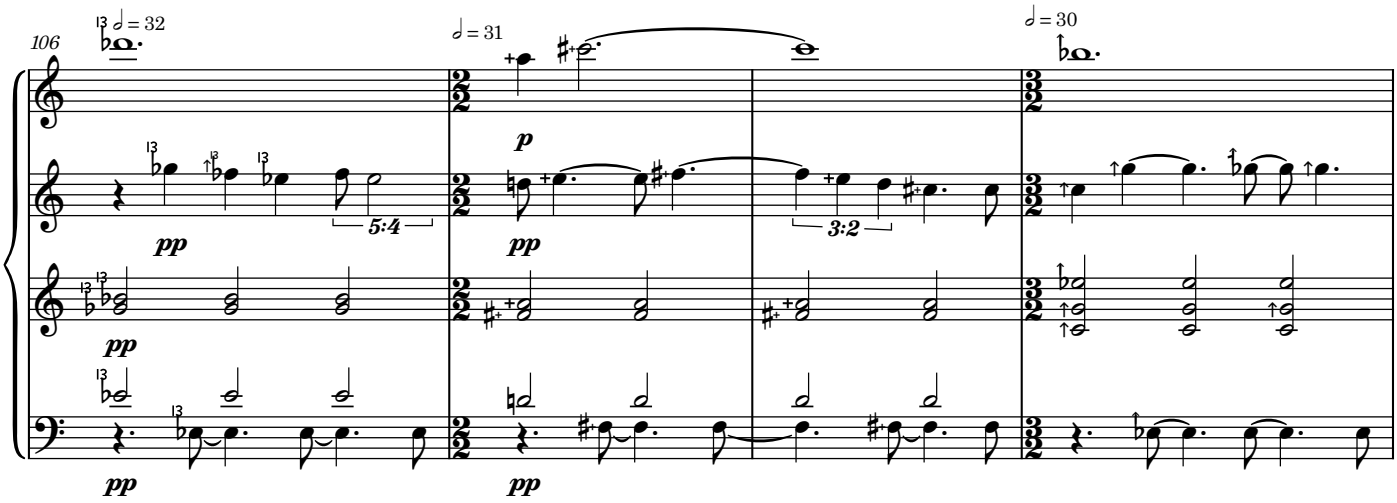

84
6:5
6:5
3
7:6
6:5
3
3
19:12
6
6
6
f
5
5
5
f

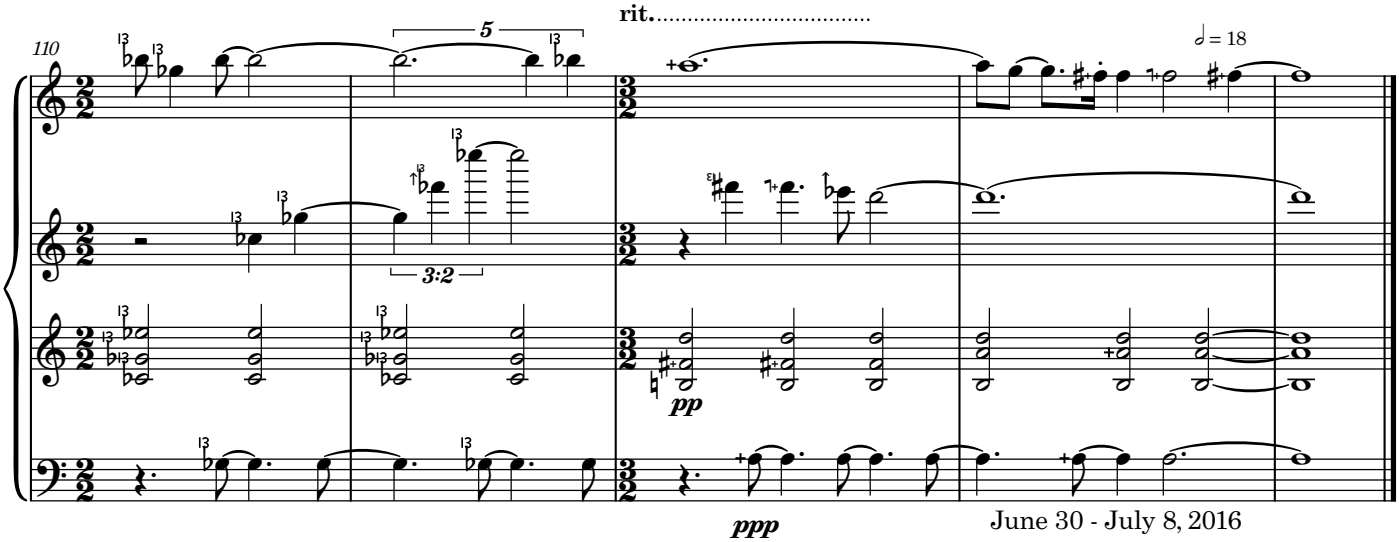

♩ = 37
♩ = 35
85
19:12
ff


♩ = 33
86
13


87
89
92
19:12
13
6:7


96
𝅗𝅥 = 32
𝅗𝅥 = 29
p
pp
7:4
3:2
99
𝅗𝅥 = 32
𝅗𝅥 = 31
3
103
𝅗𝅥 = 30
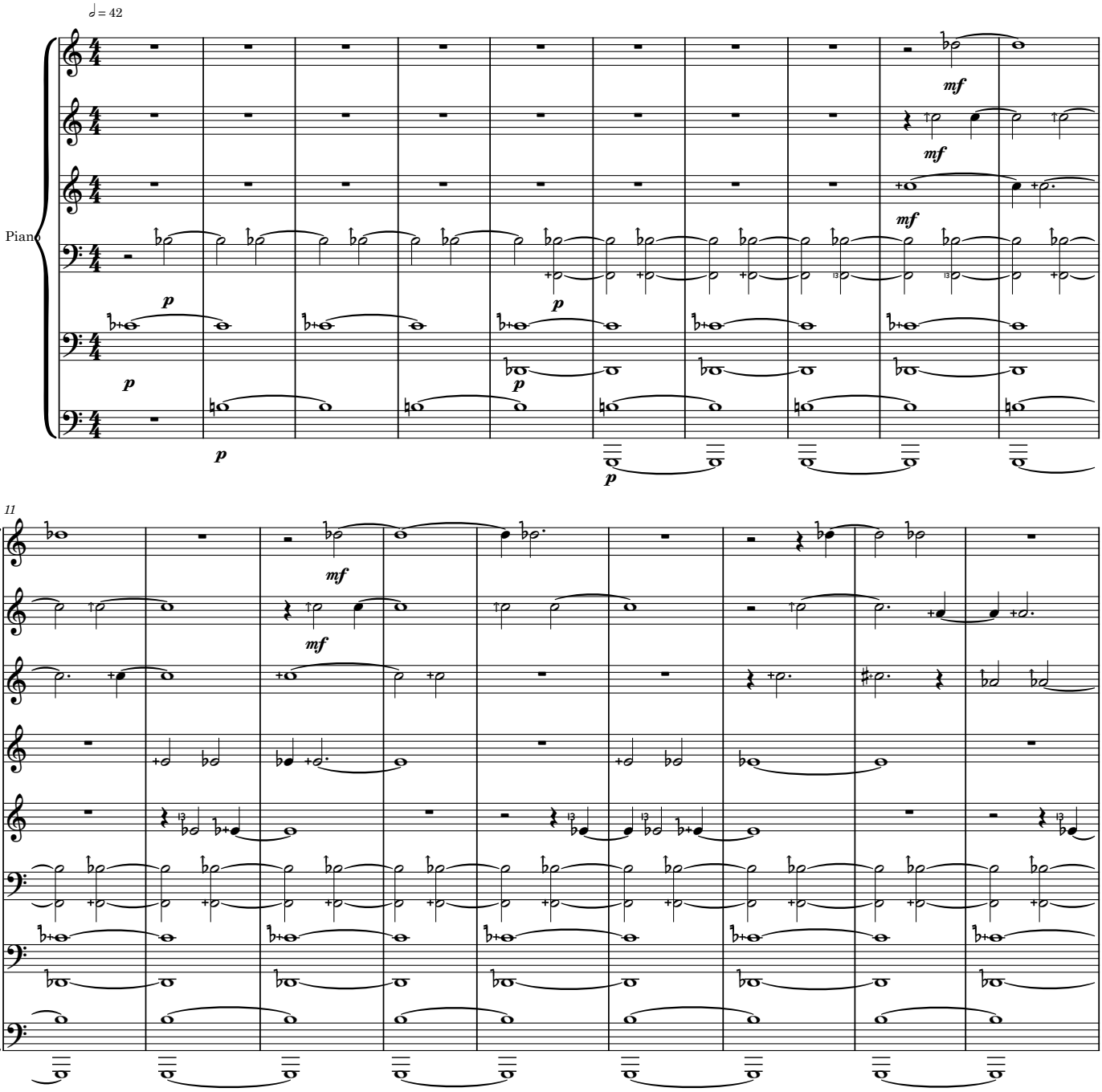




June 30 - July 8, 2016
minor revisions March 3, 2017
Germantown, NY

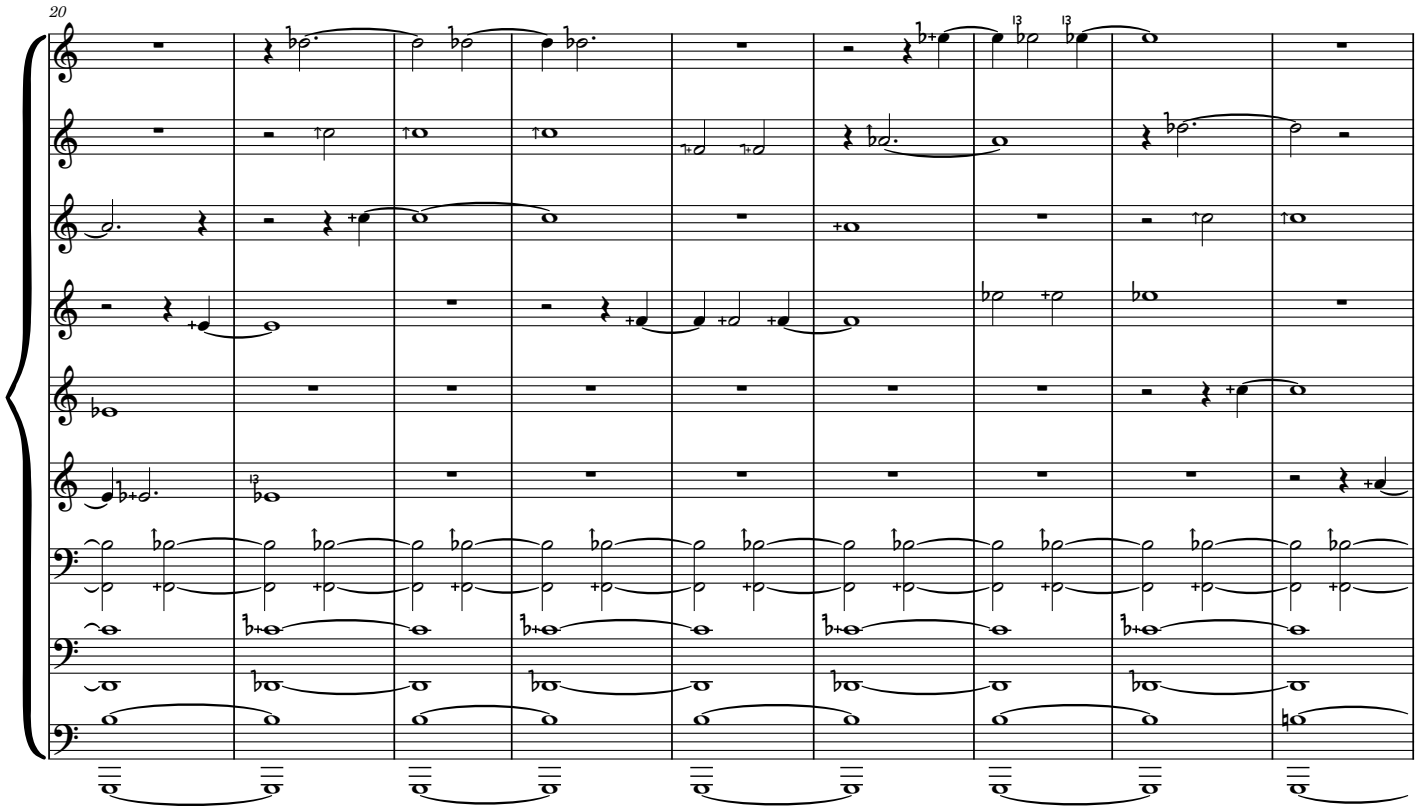
Star Dance

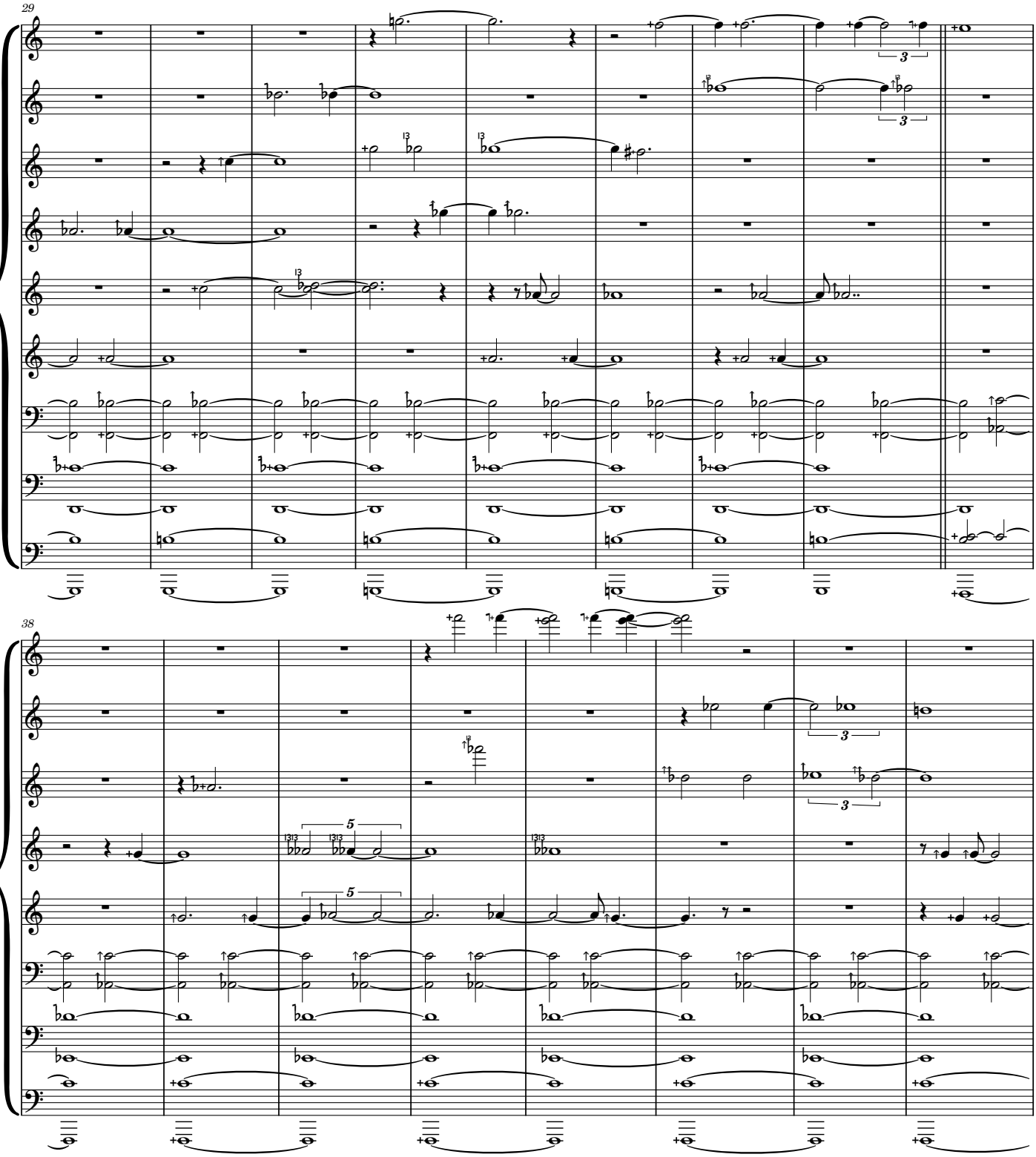
Kyle Gann
2016

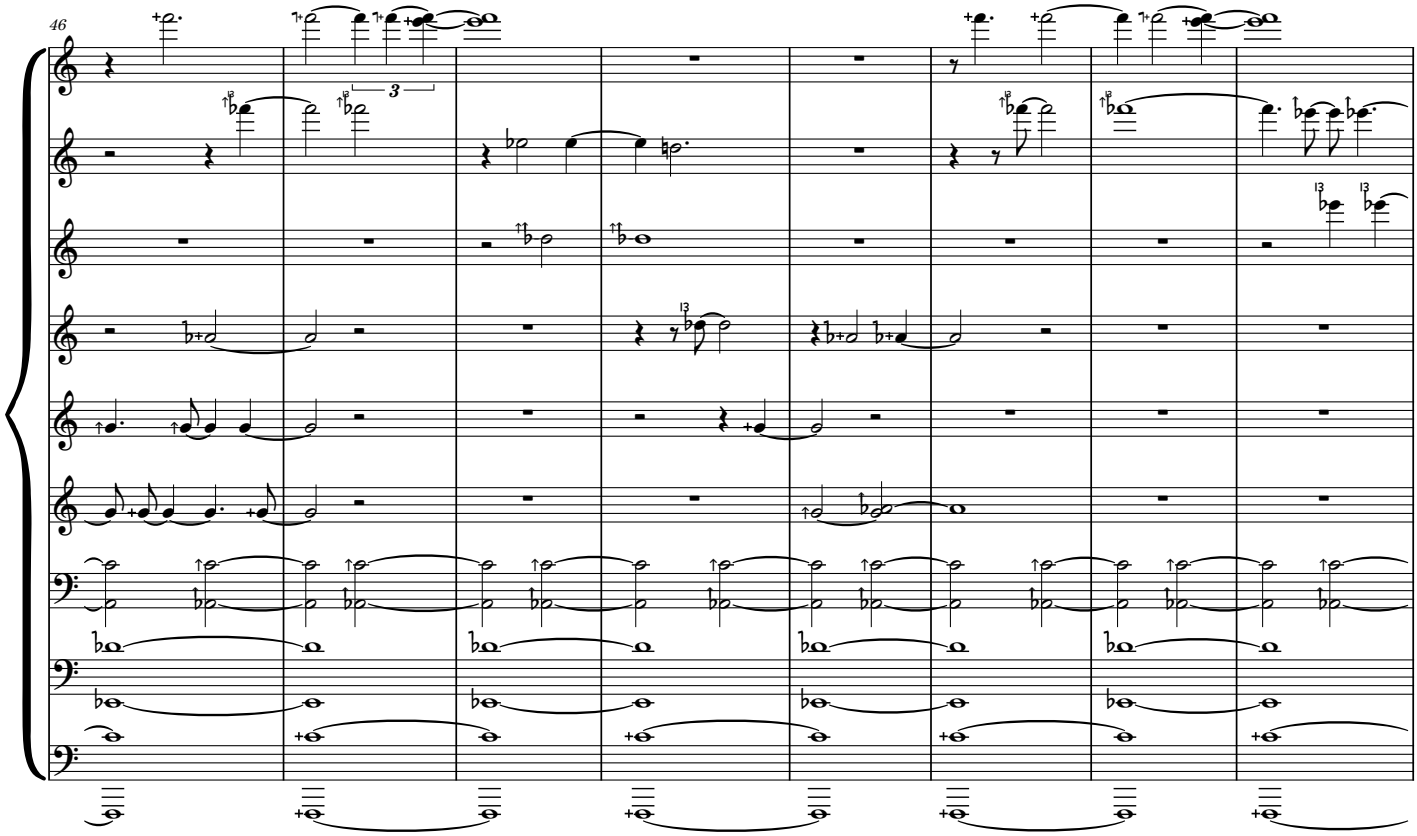


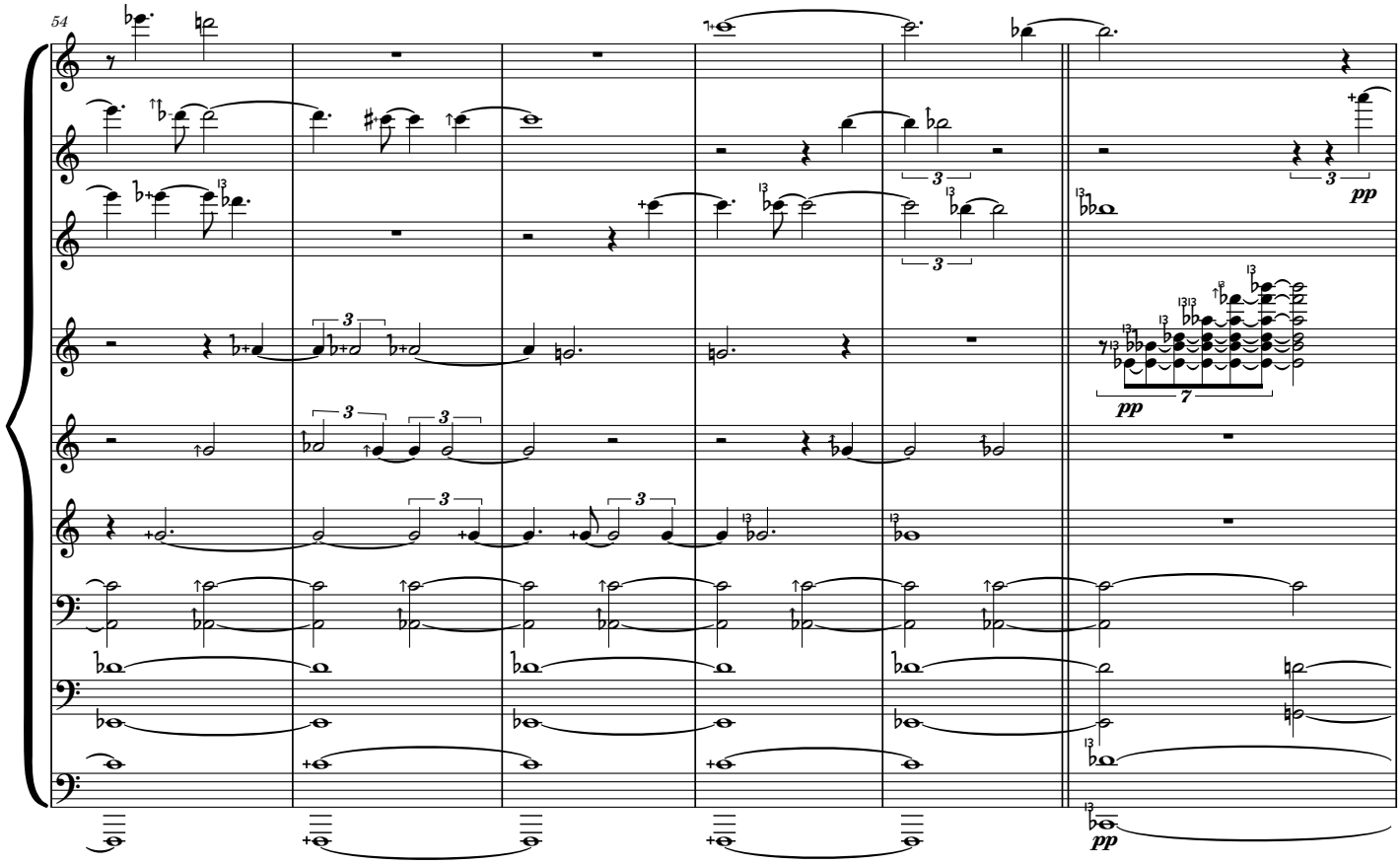
Note: In the original MIDI file, some notes are held longer than shown in this score in order to obtain beating from closely spaced pitches. It has not always proved practicable to show full durations in this score,
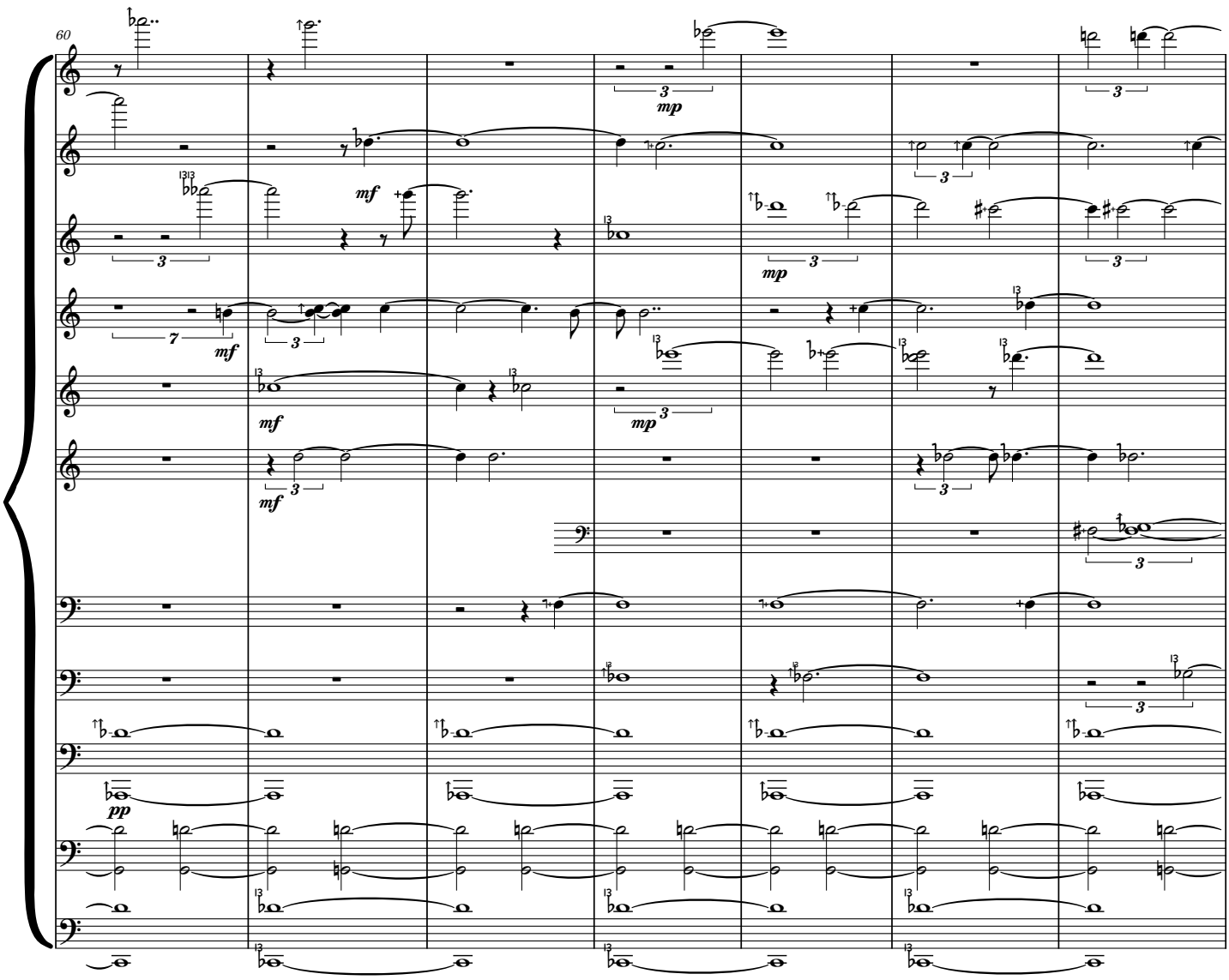
© 2016 Smith Grabholx Music
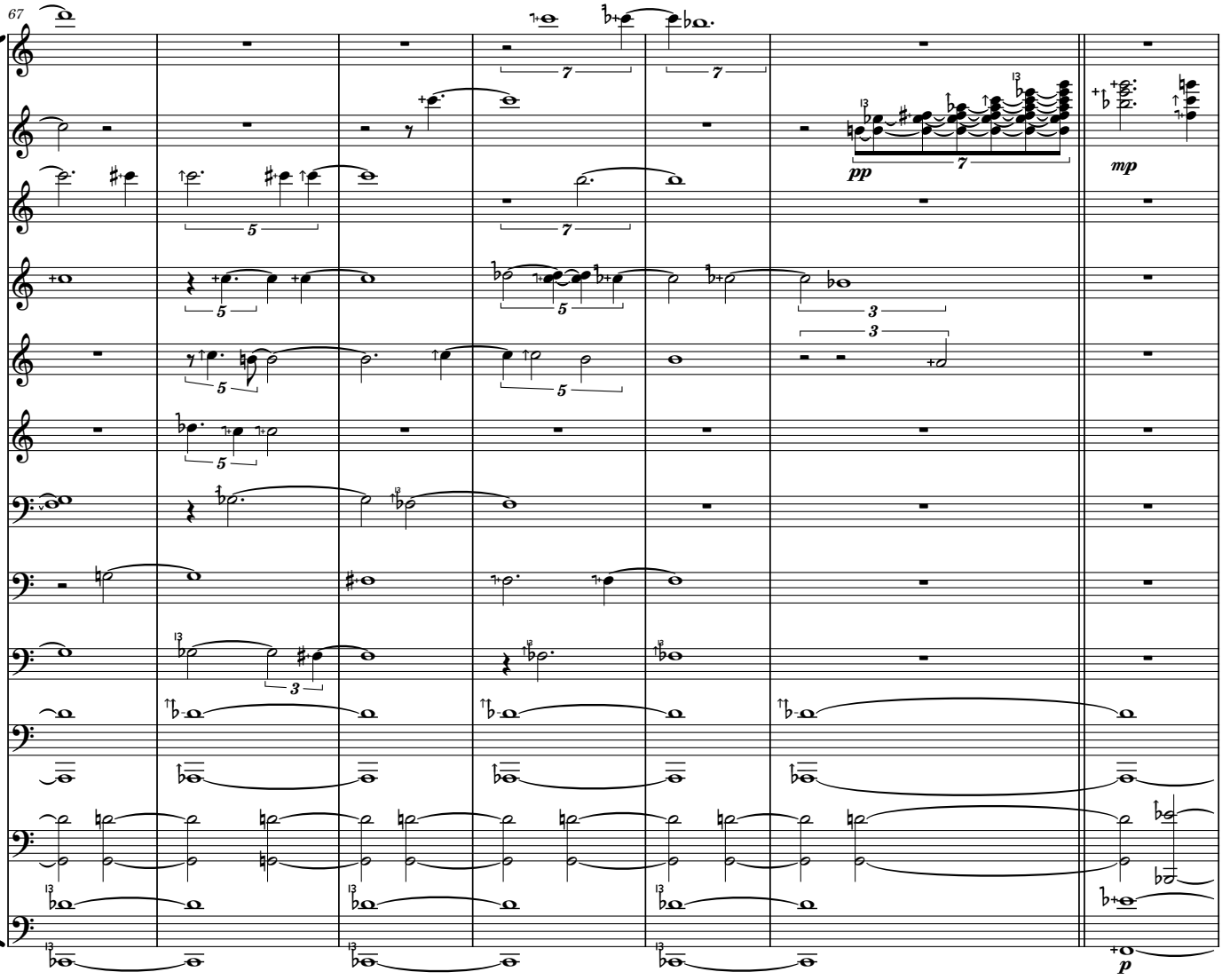

20
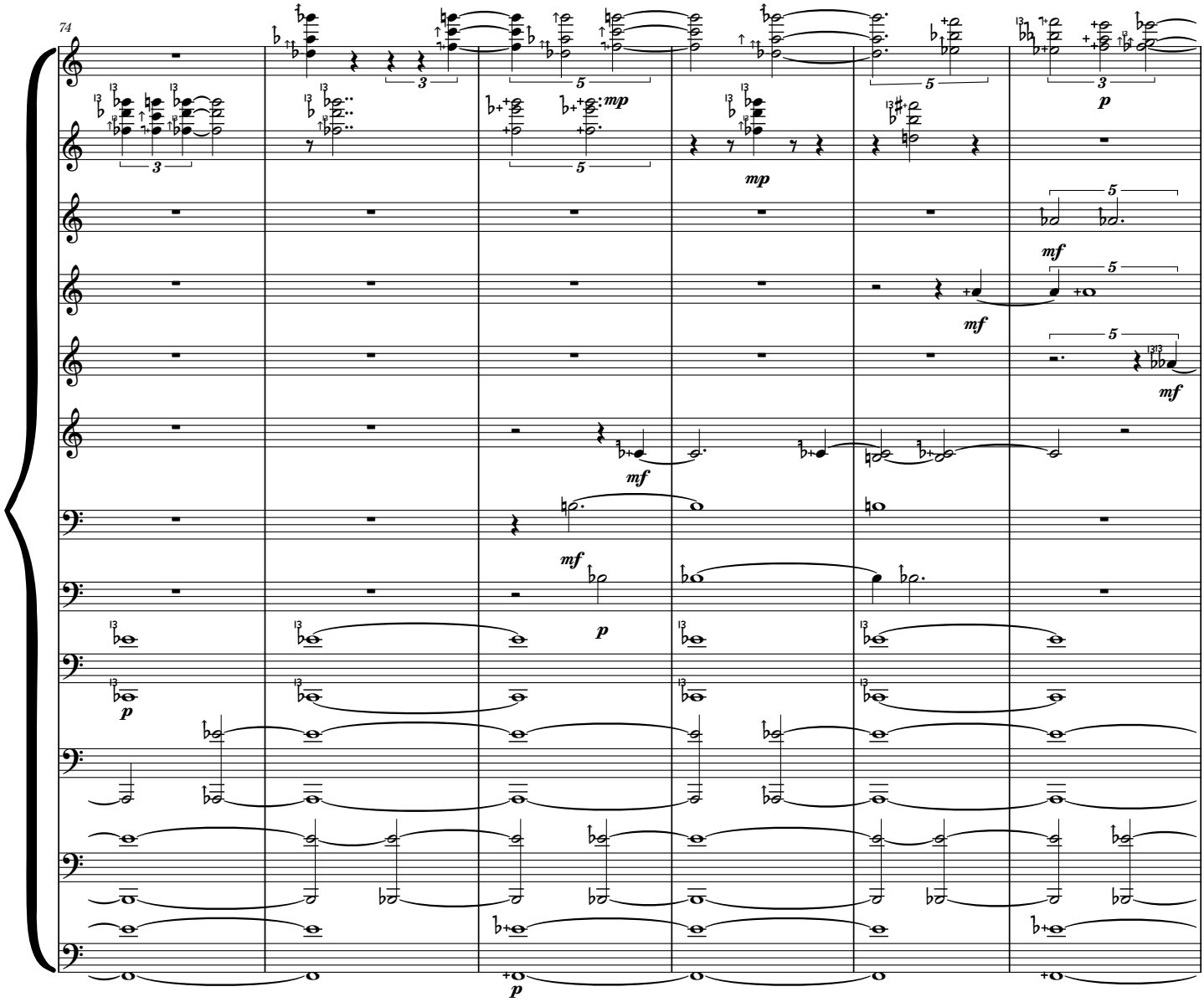

29
38
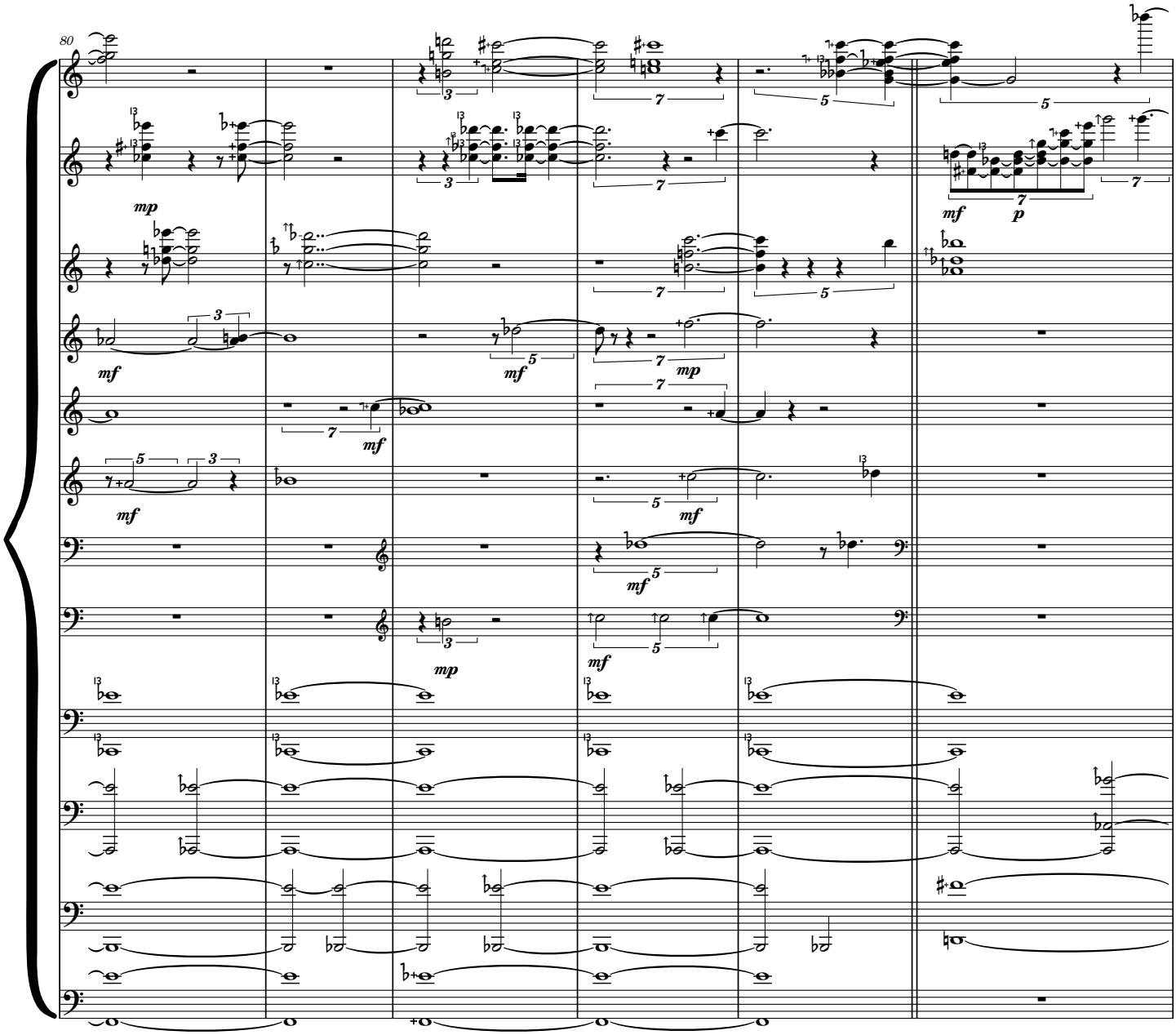

46
3

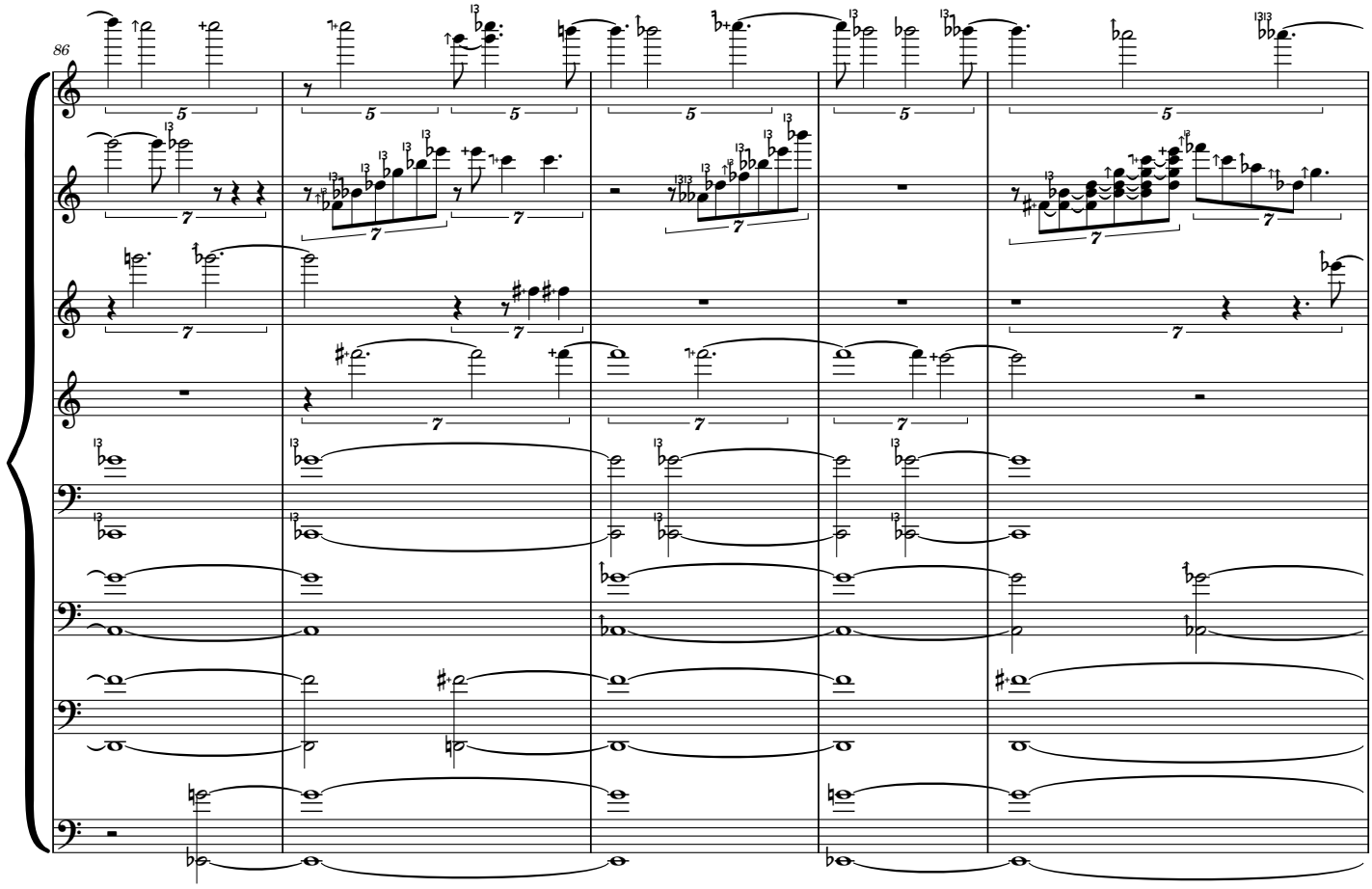

54
pp
pp
pp

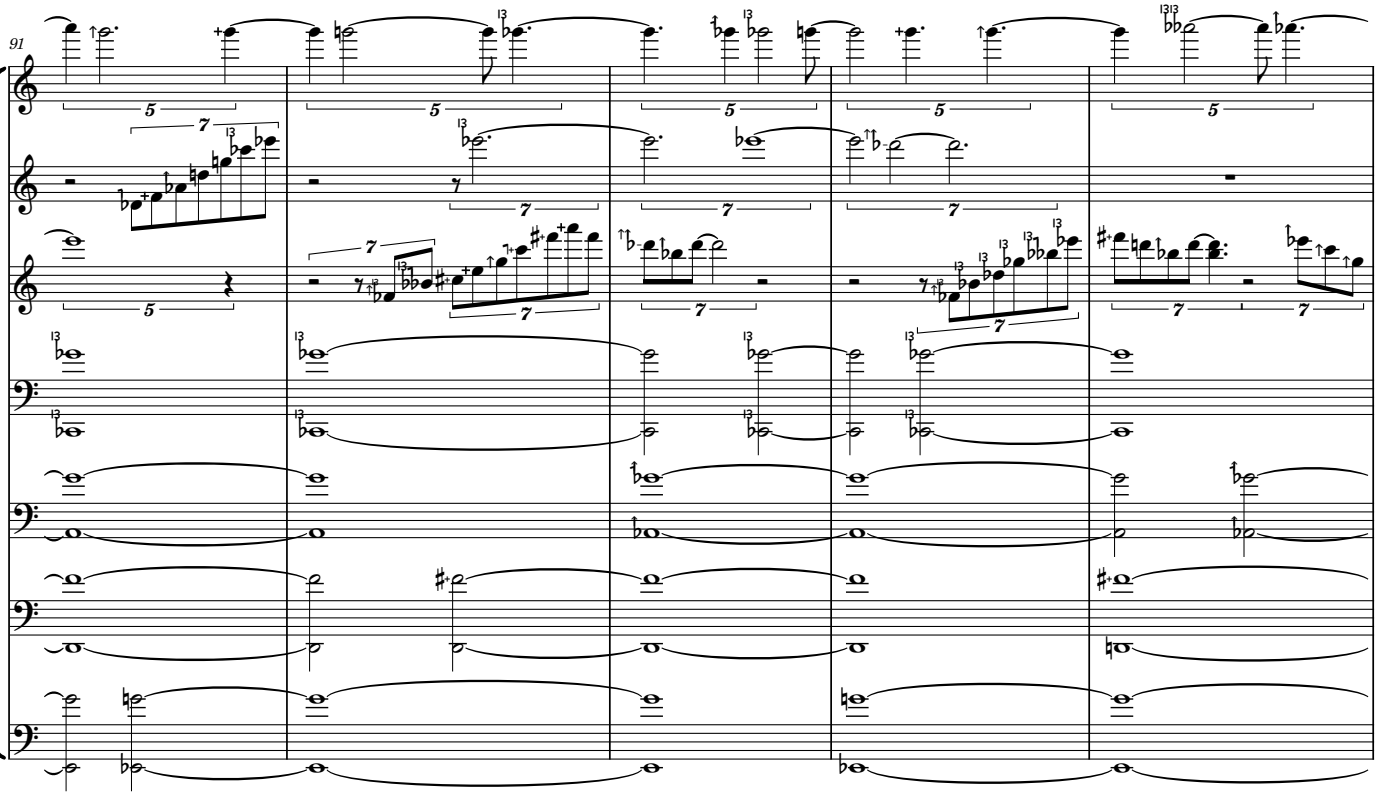

60
mf
mp
pp

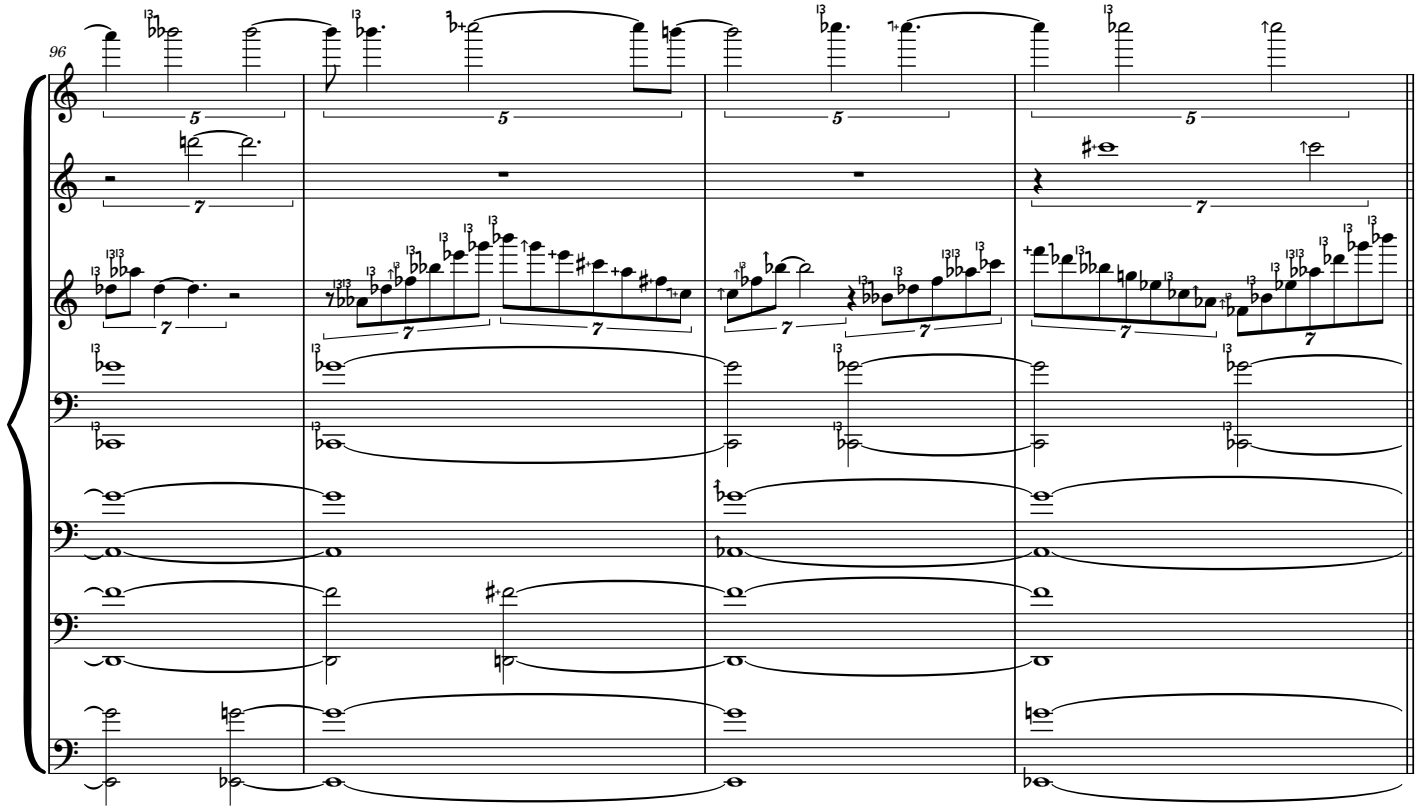

67
pp
mp
p

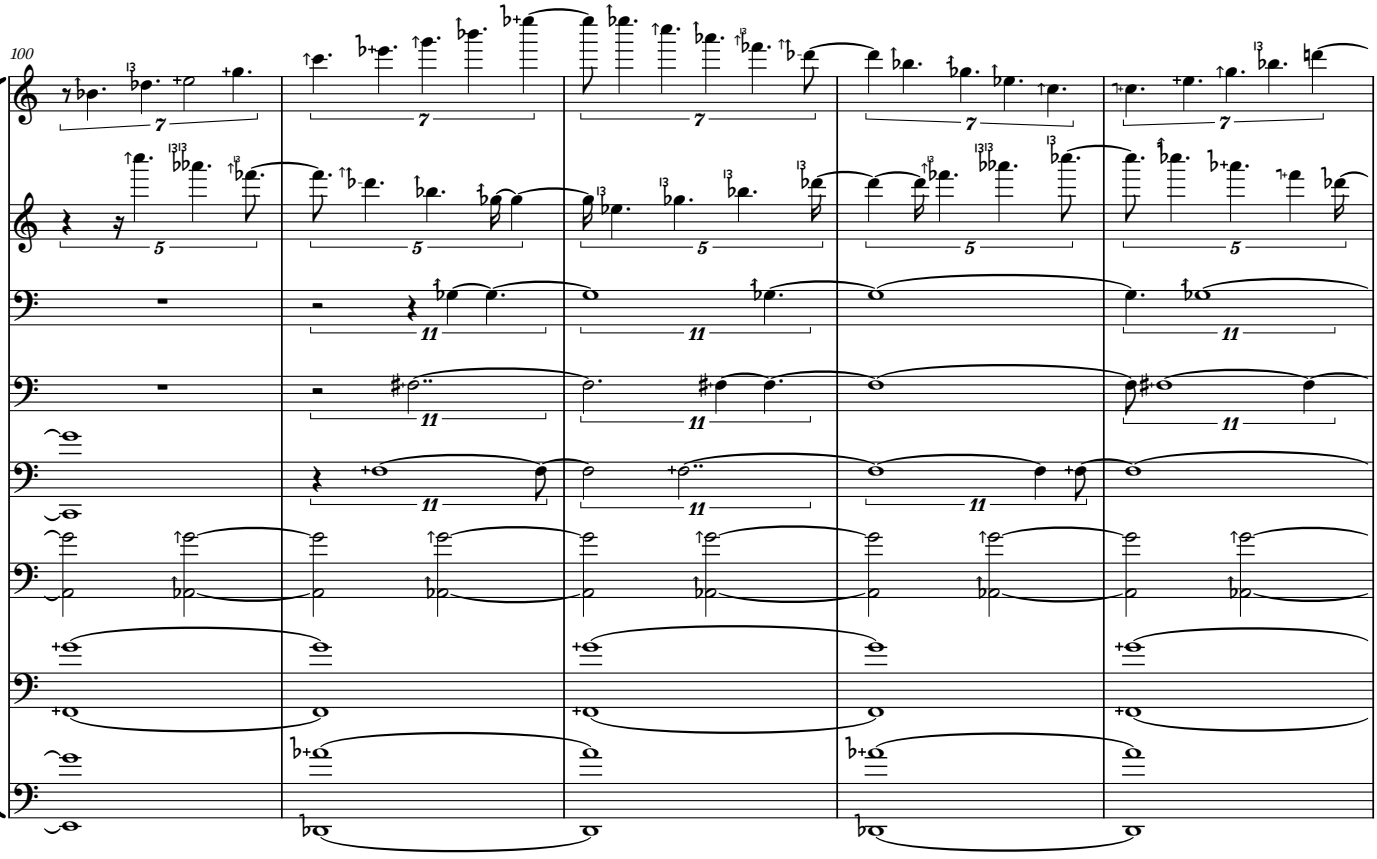

74
mp
mf
p

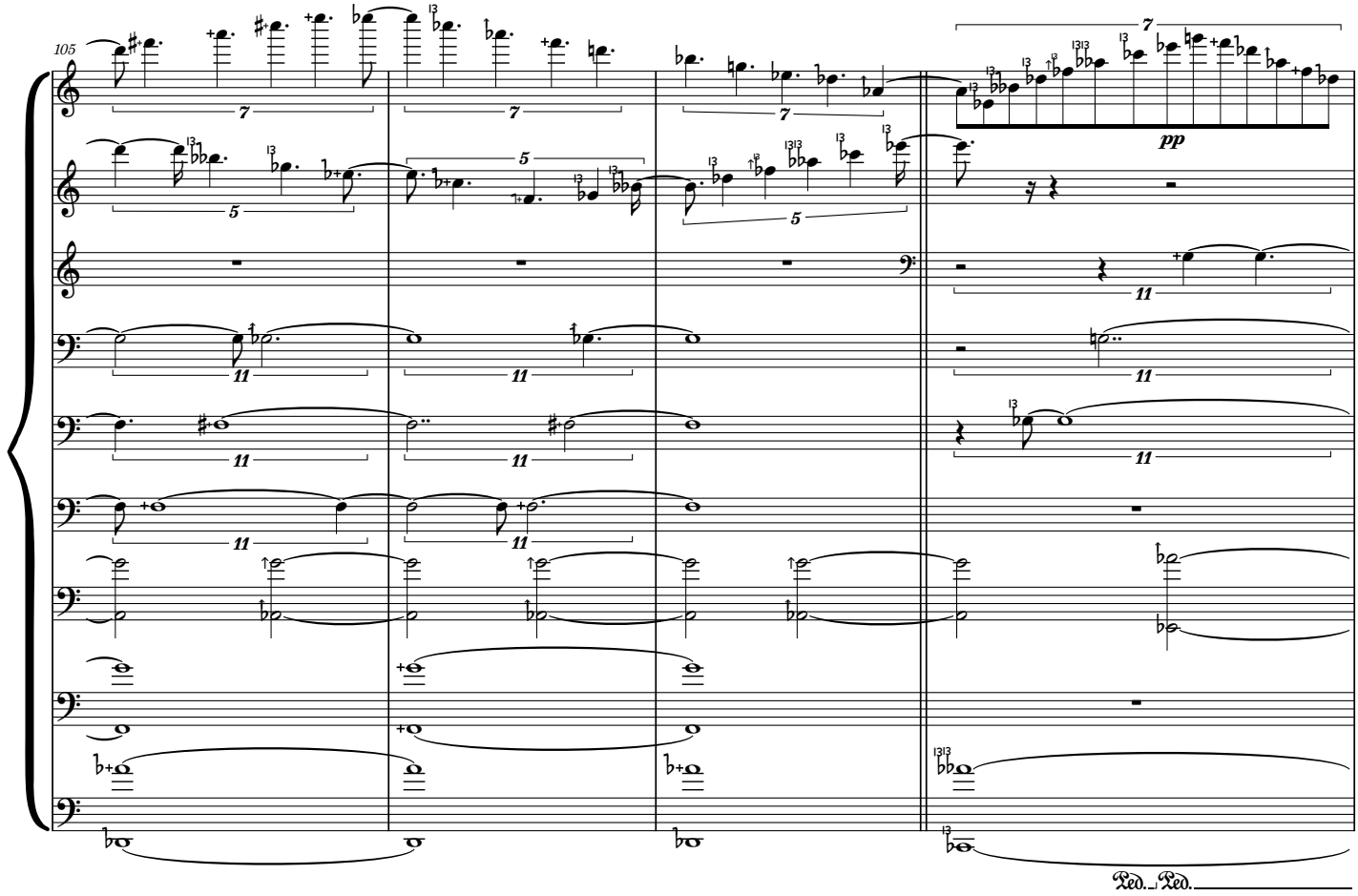

80
mp
mf
mf
mf
mf
mp
mf
mf
mp
mf
p

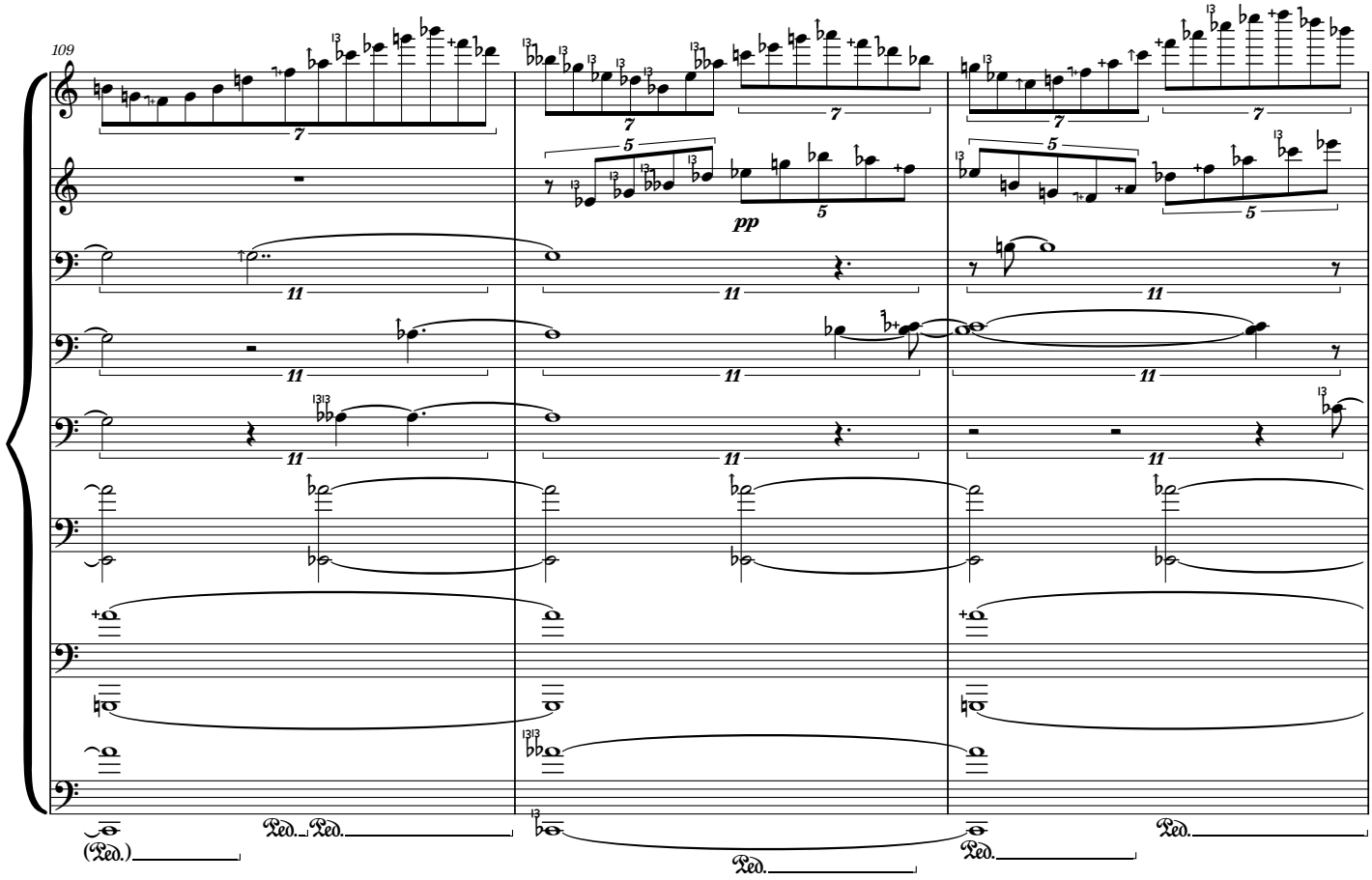

86

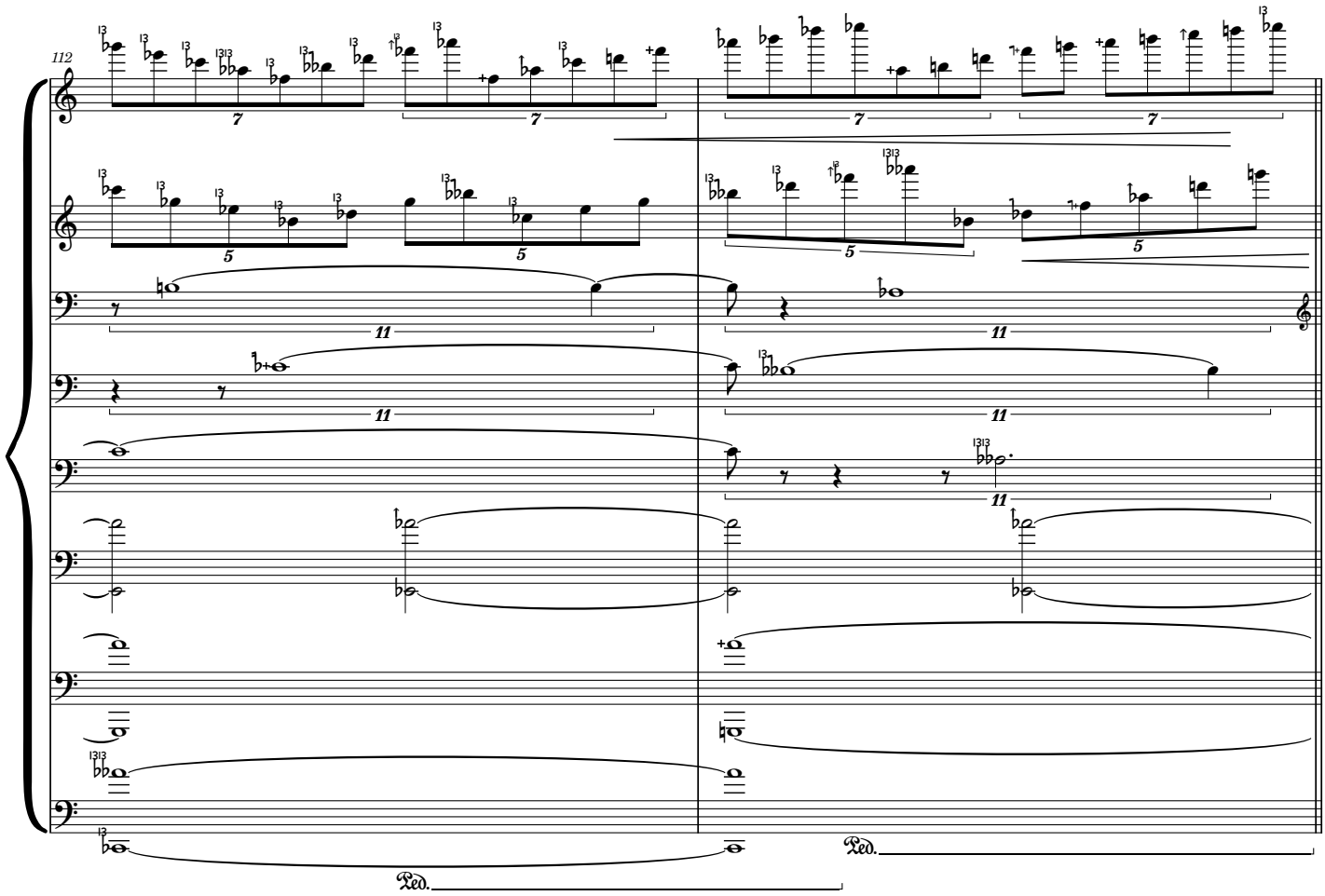

91

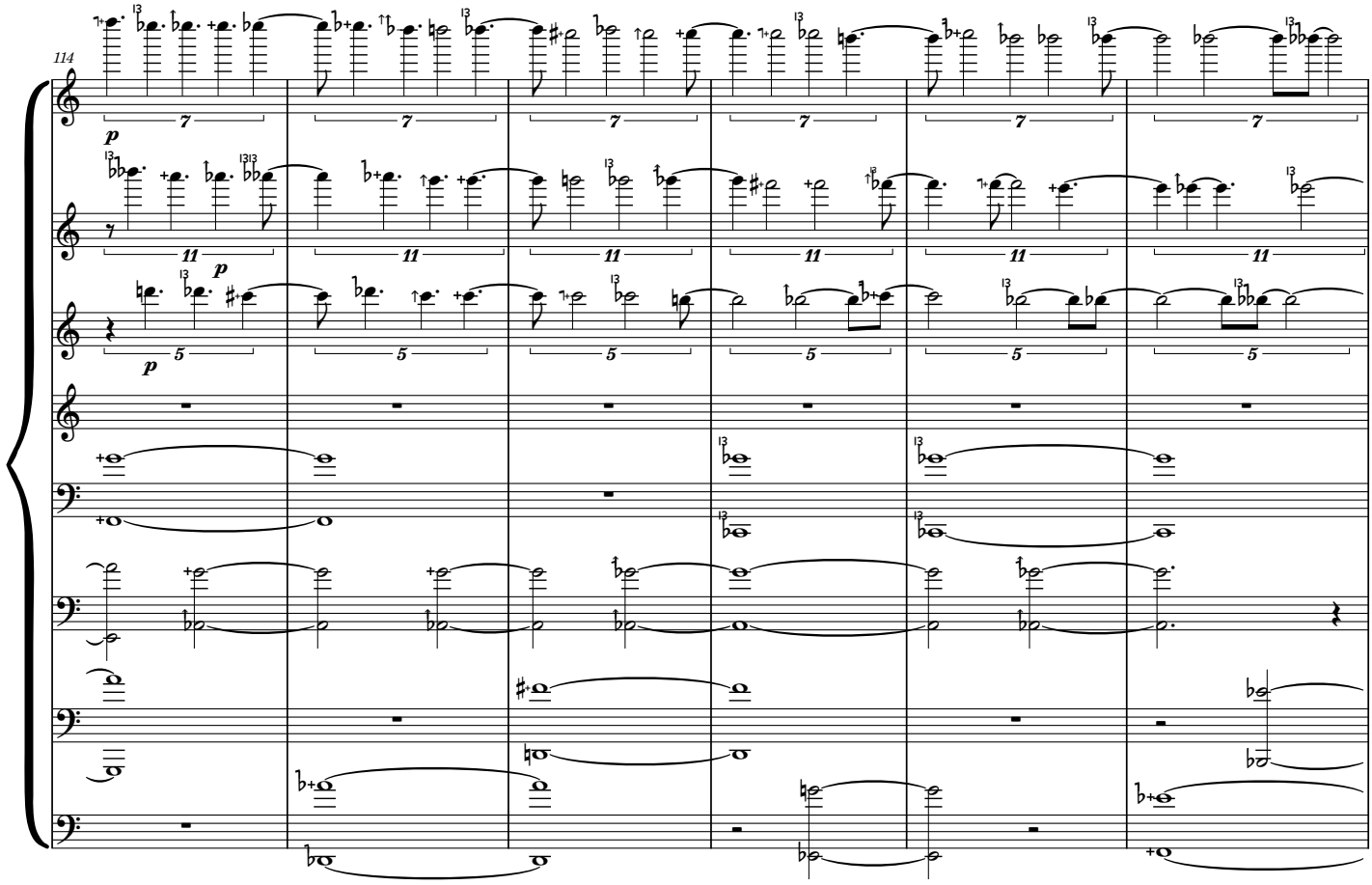

96

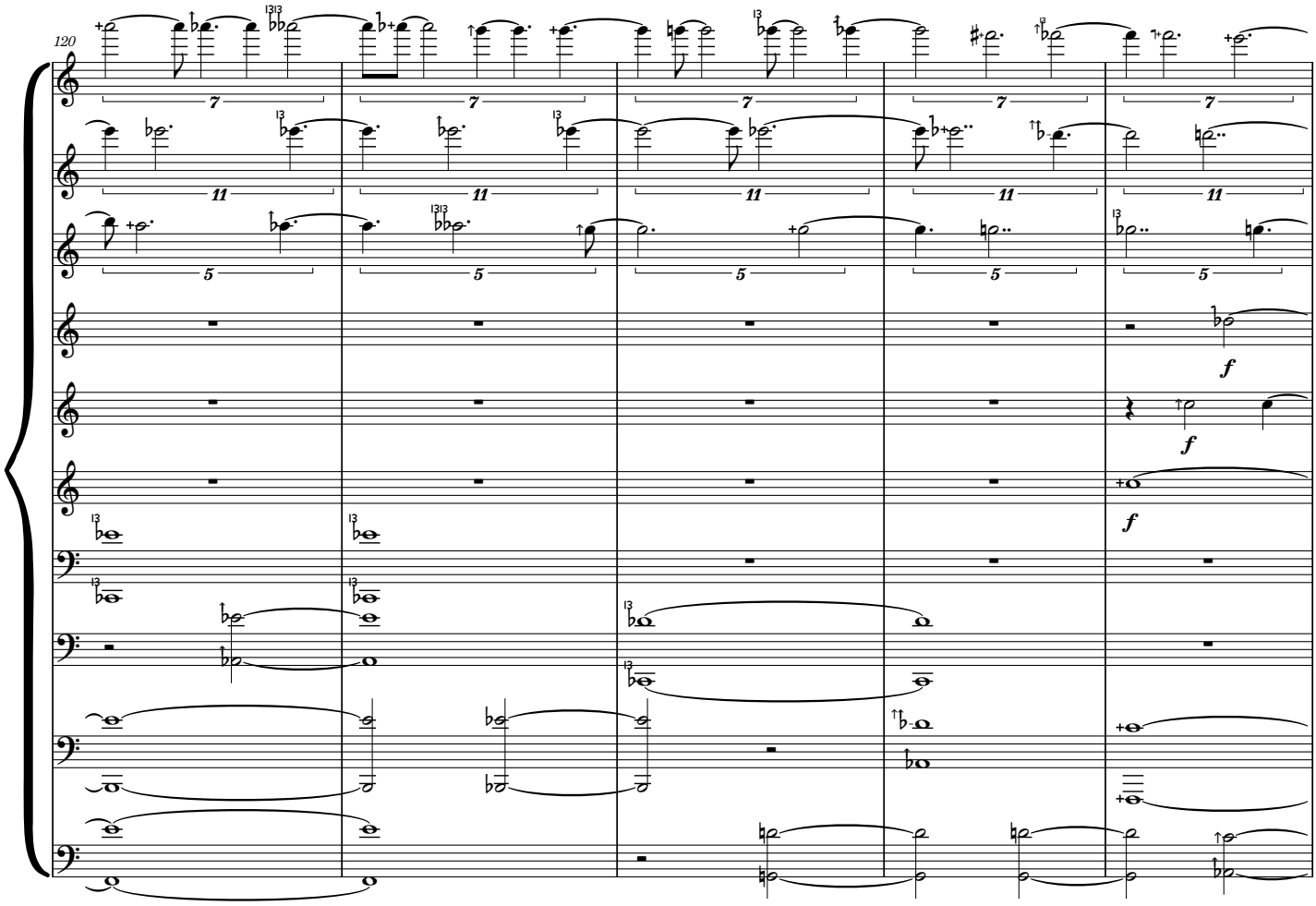

100
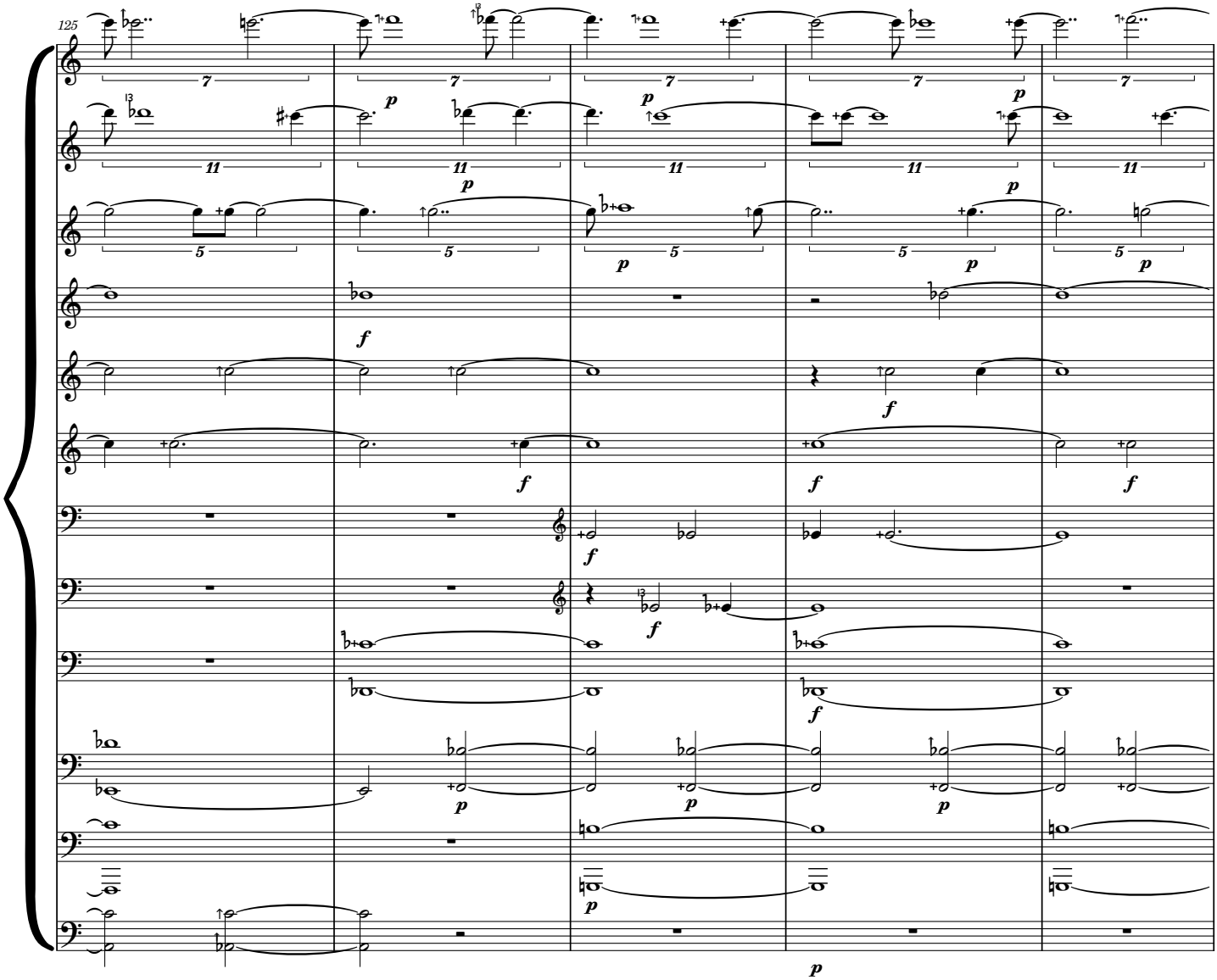

105
pp
Ped. Ped.
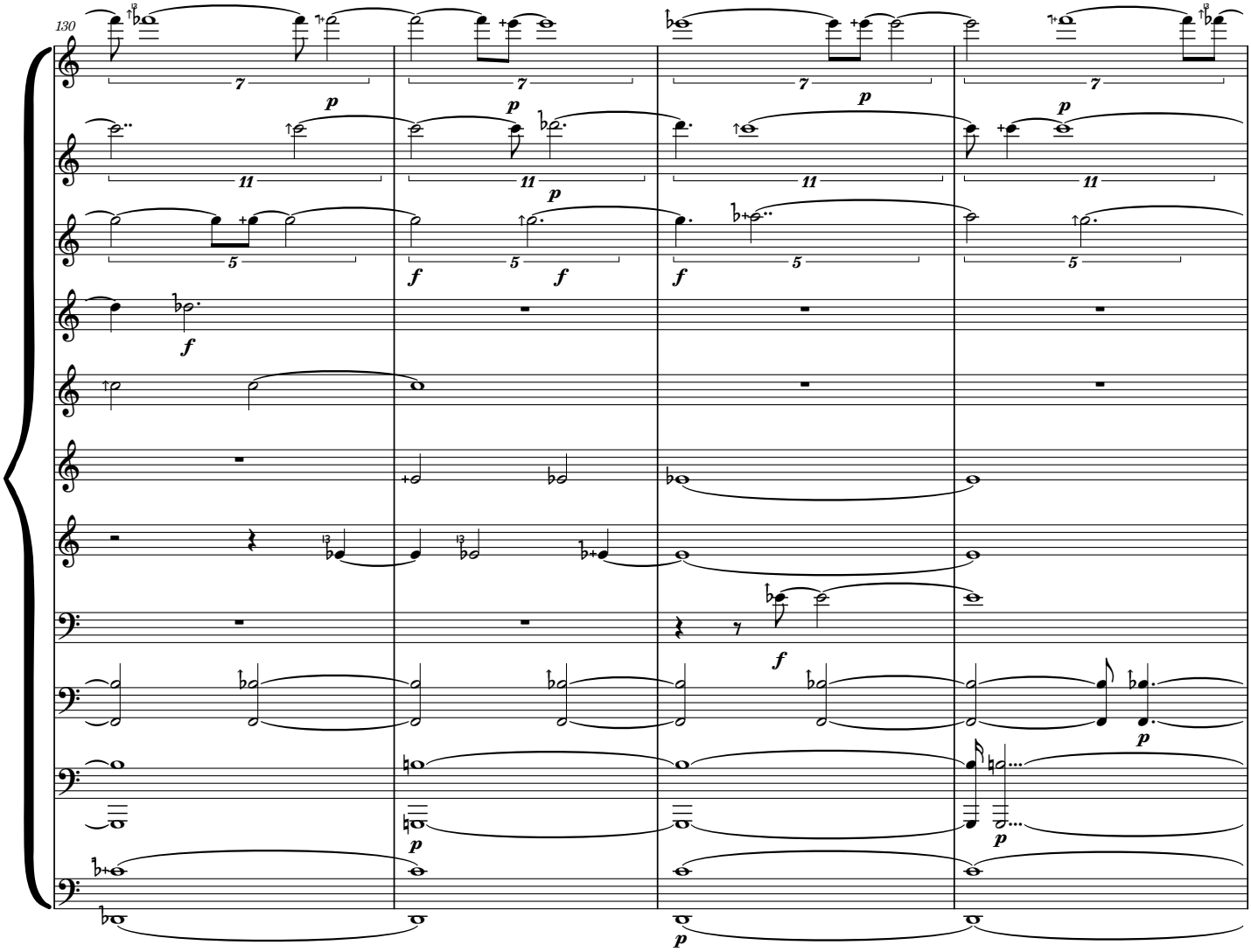

109
pp
(Ped.)
Ped.
Ped.
Ped.
Ped.
Ped.
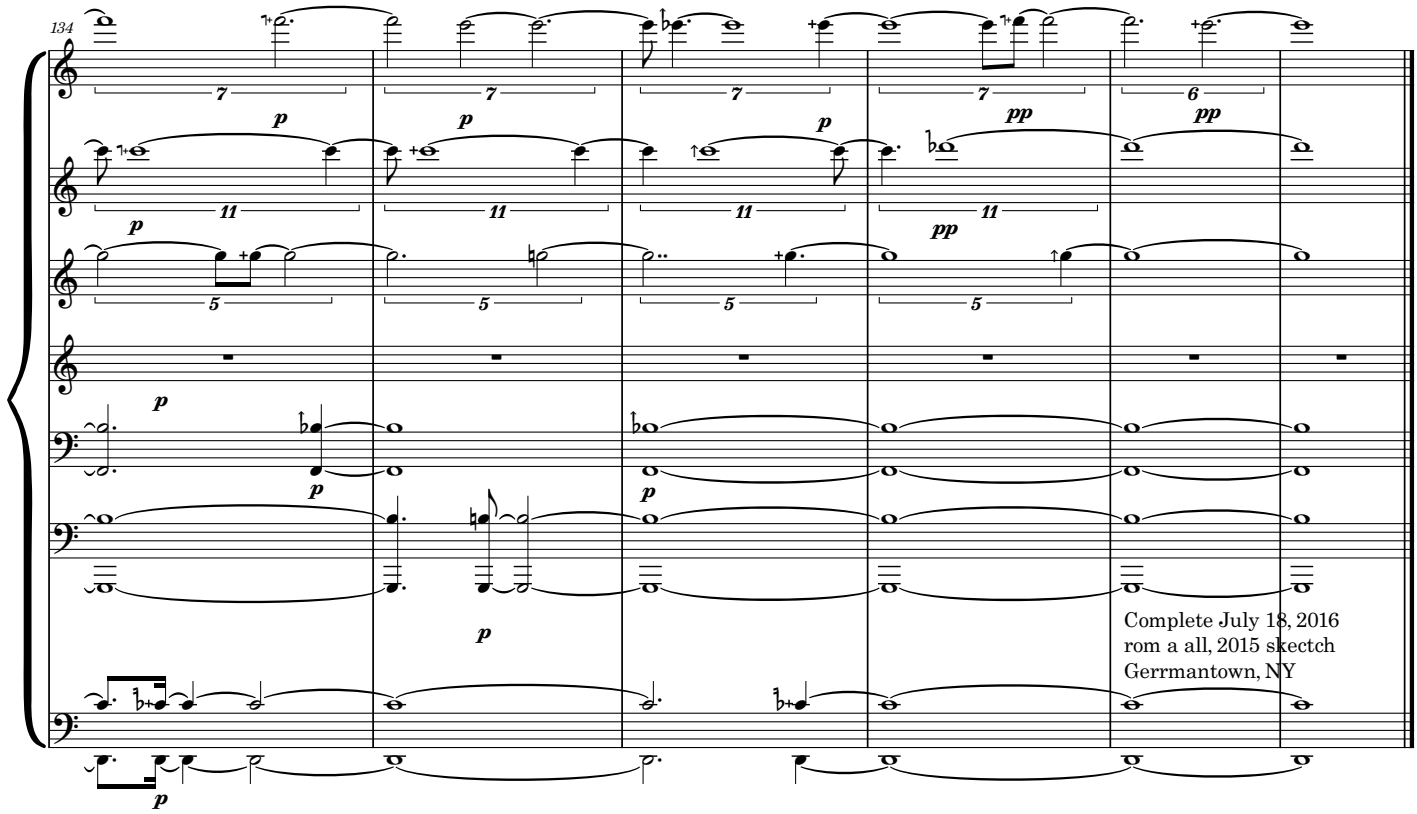

112
Ped.
Ped.


114
p
7
11
5


120
7
11
5
f
f
f

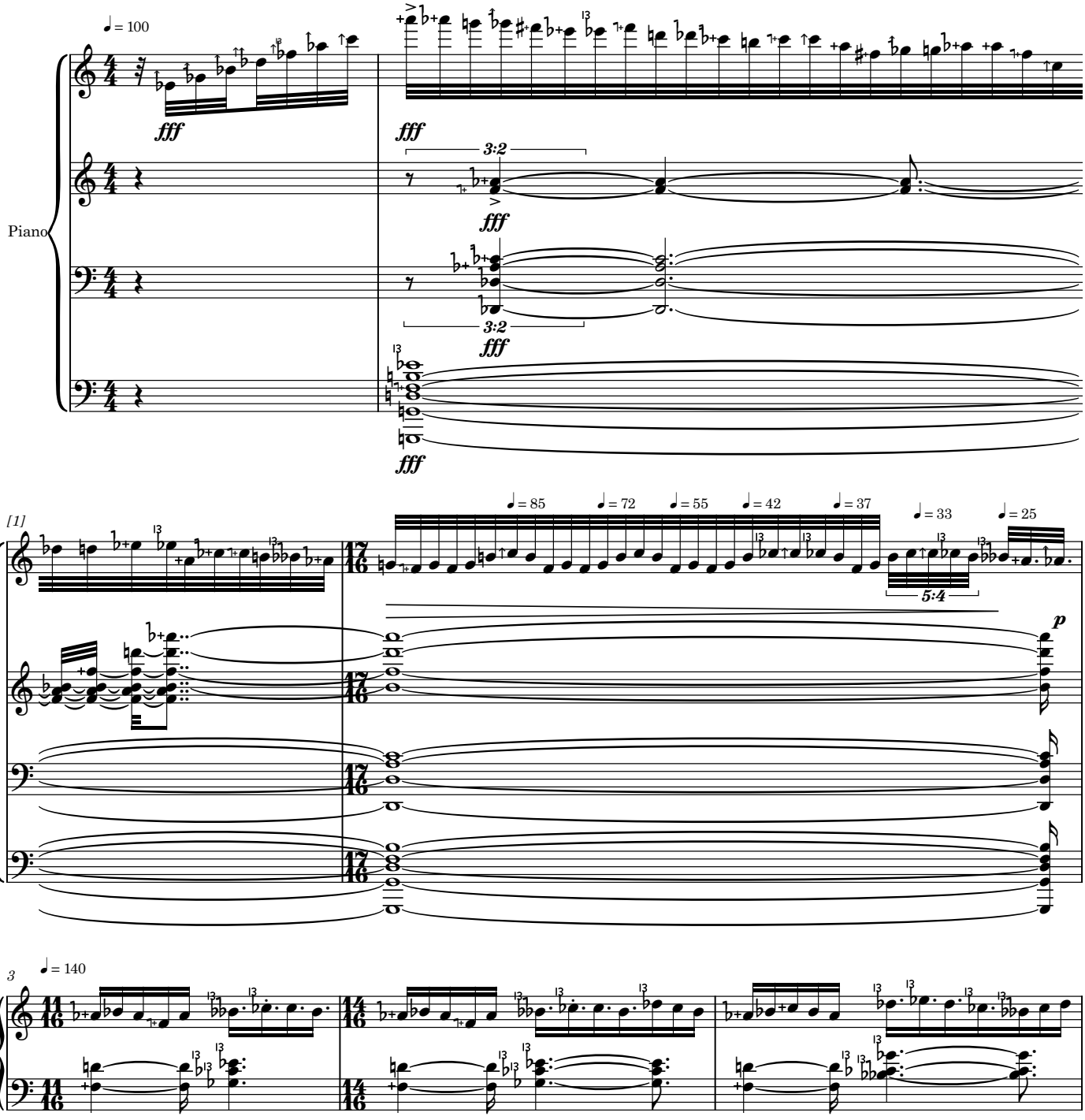

125


130
7
11
5
p
f

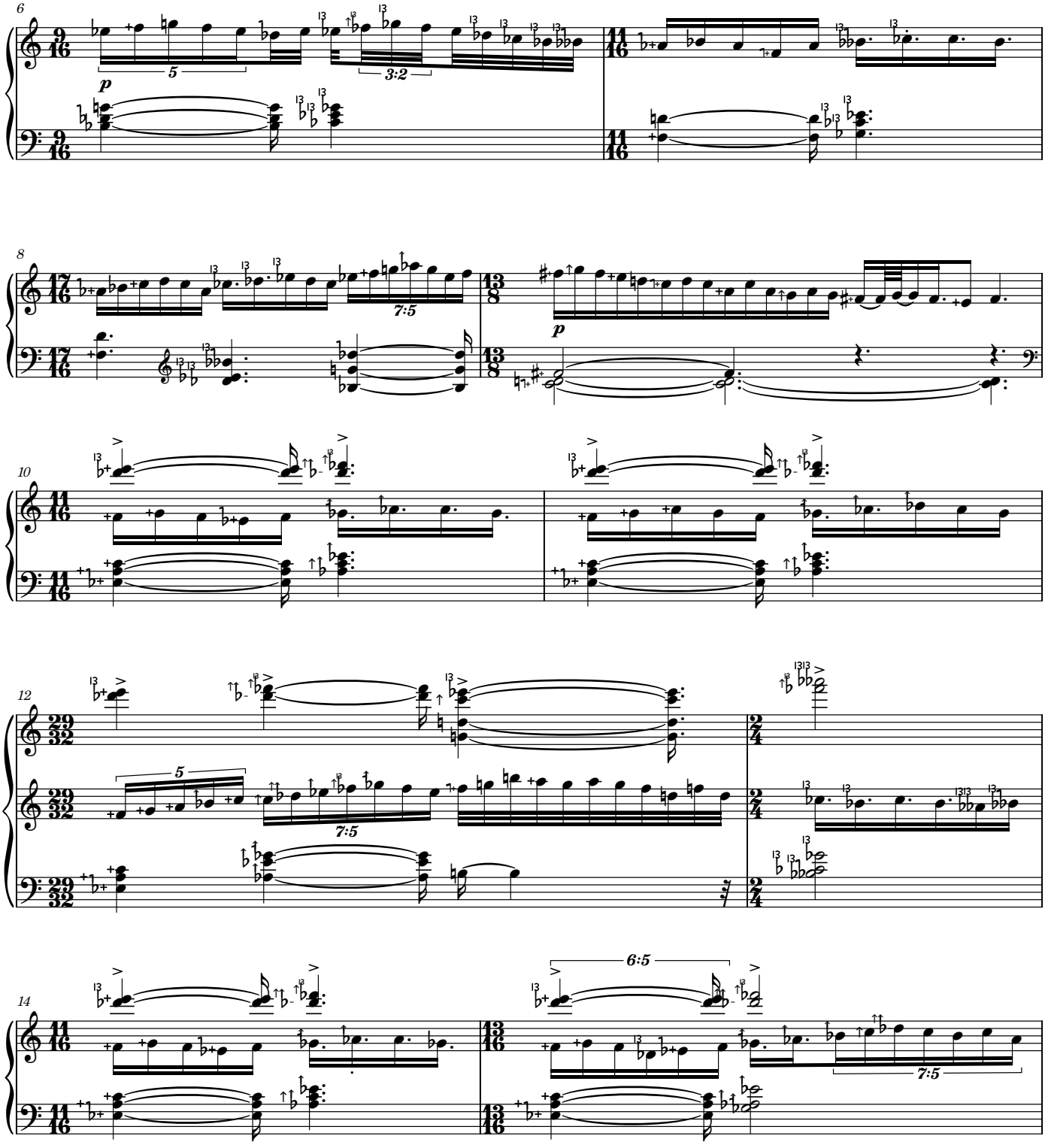

134
Complete July 18, 2016
rom a all, 2015 skectch
Gerrmantown, NY

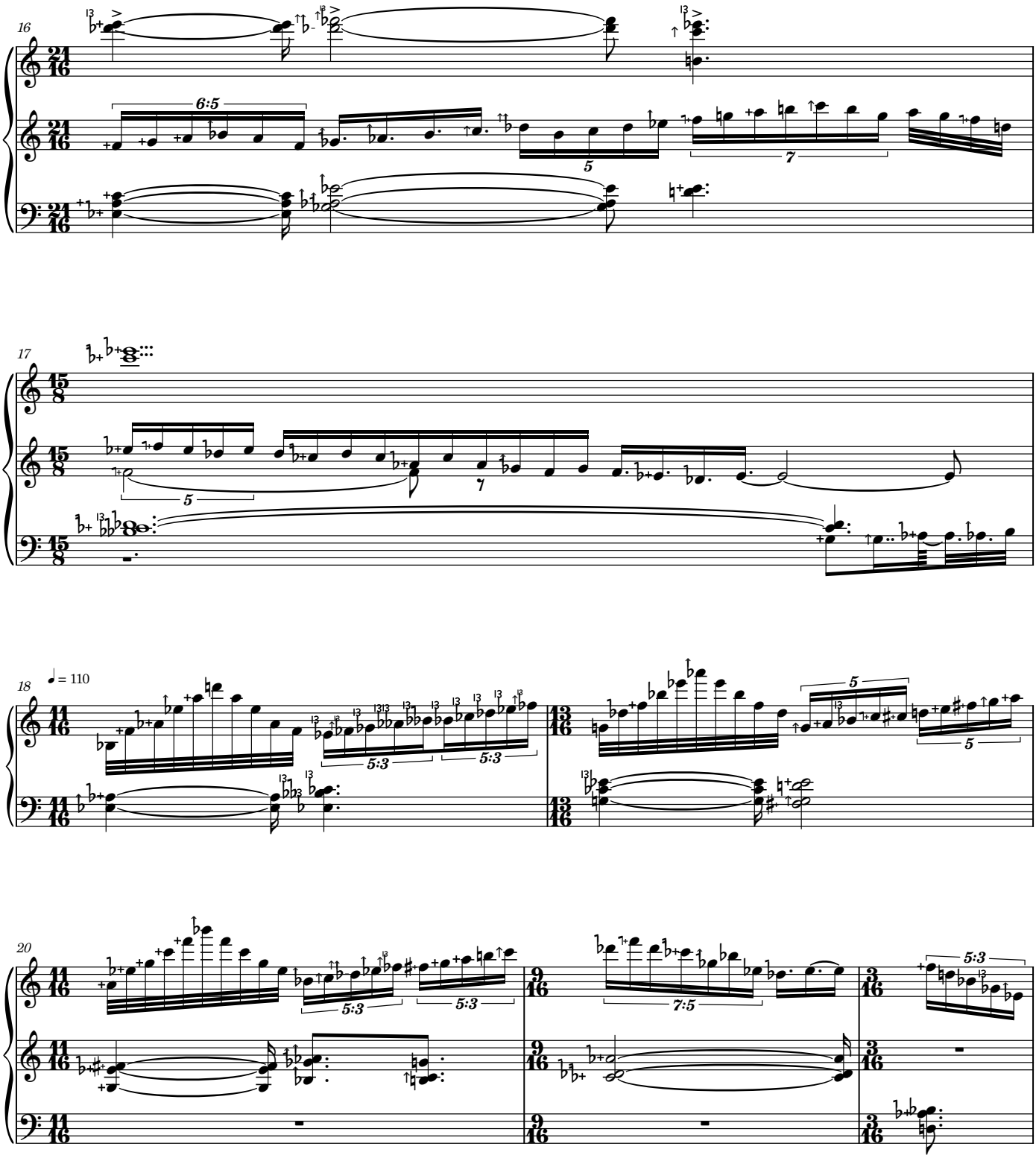
Ride the Cosmos
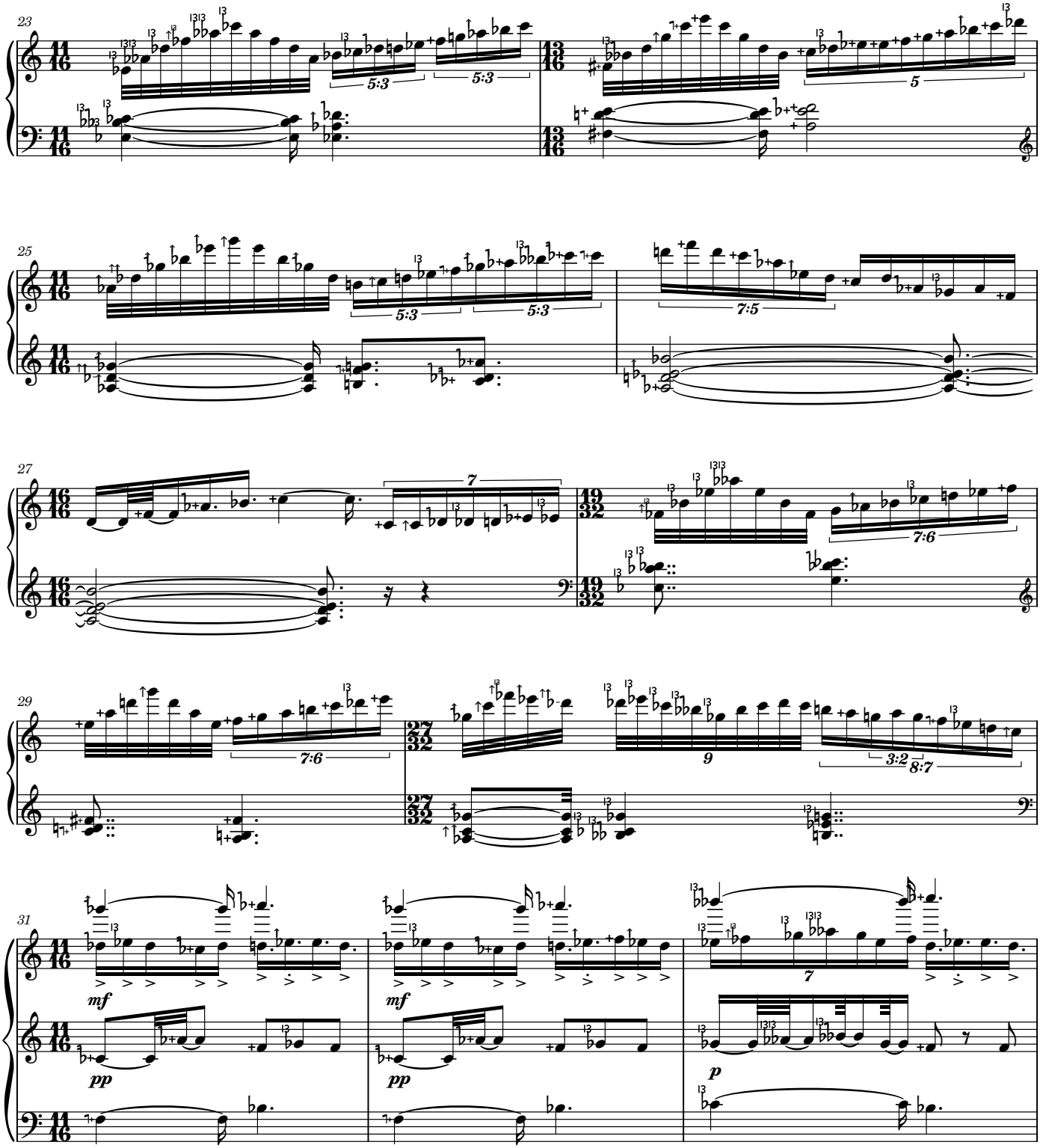
Kyle Gann
2016-17

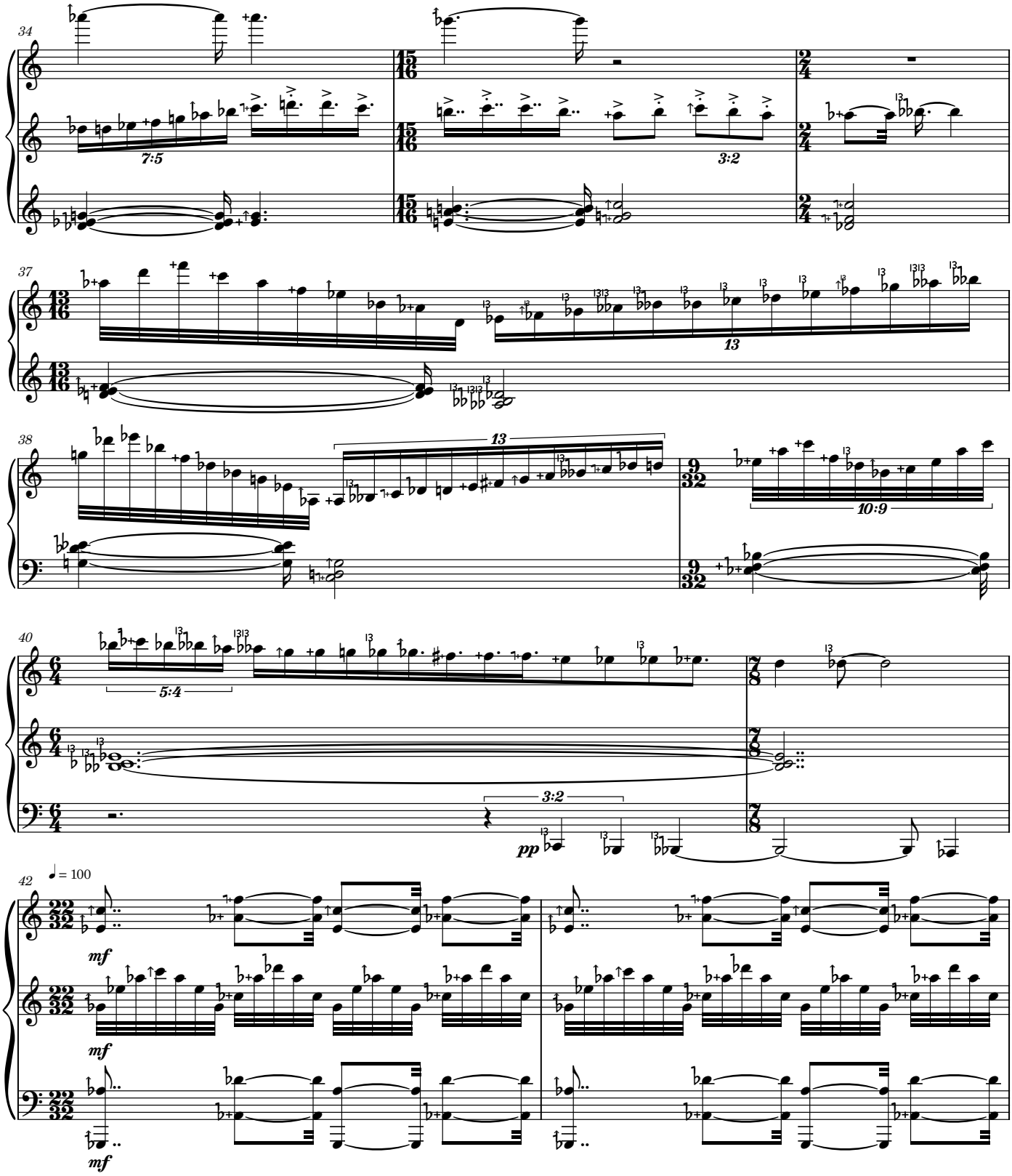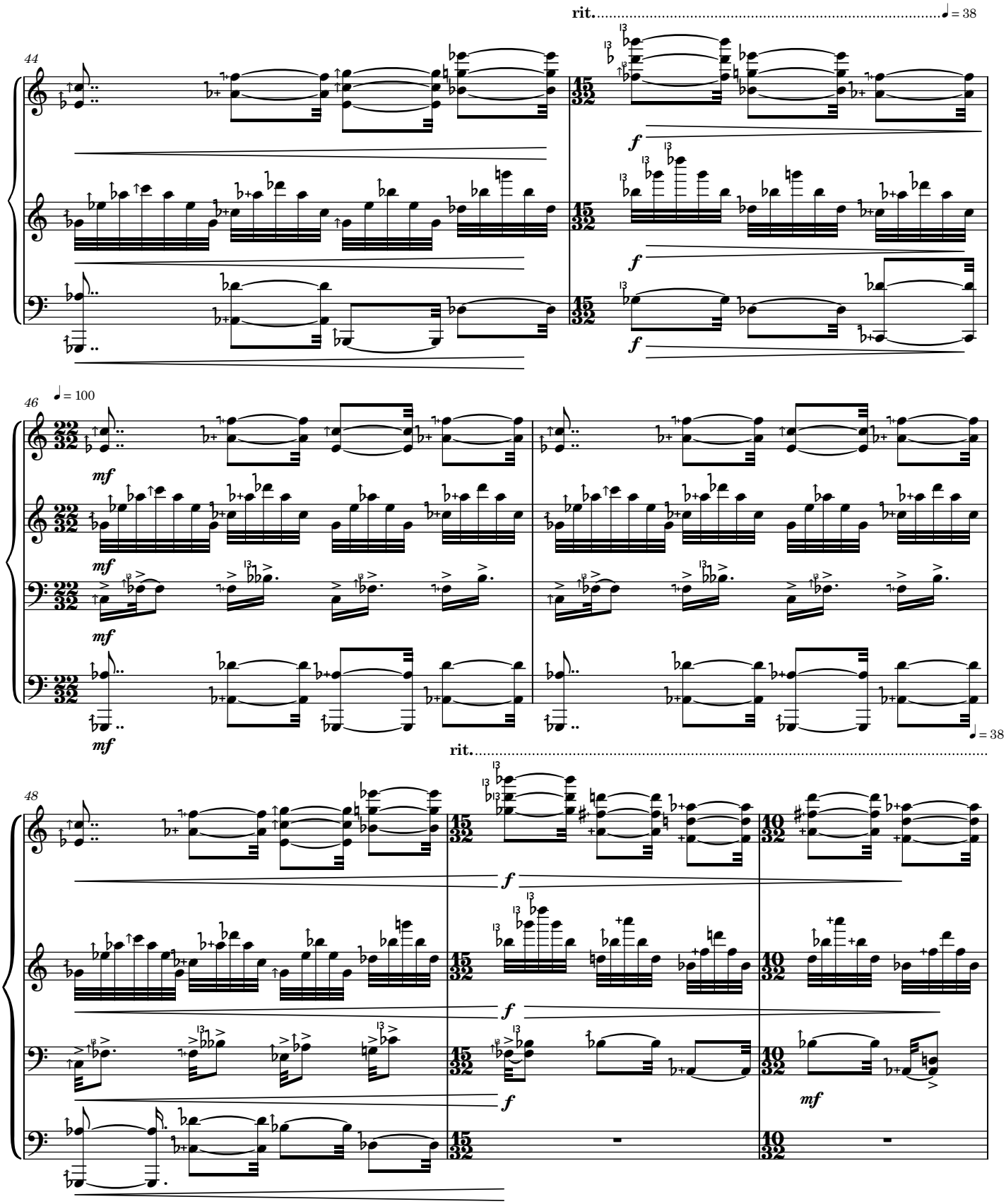


© 2017 Smith Grabholz Music
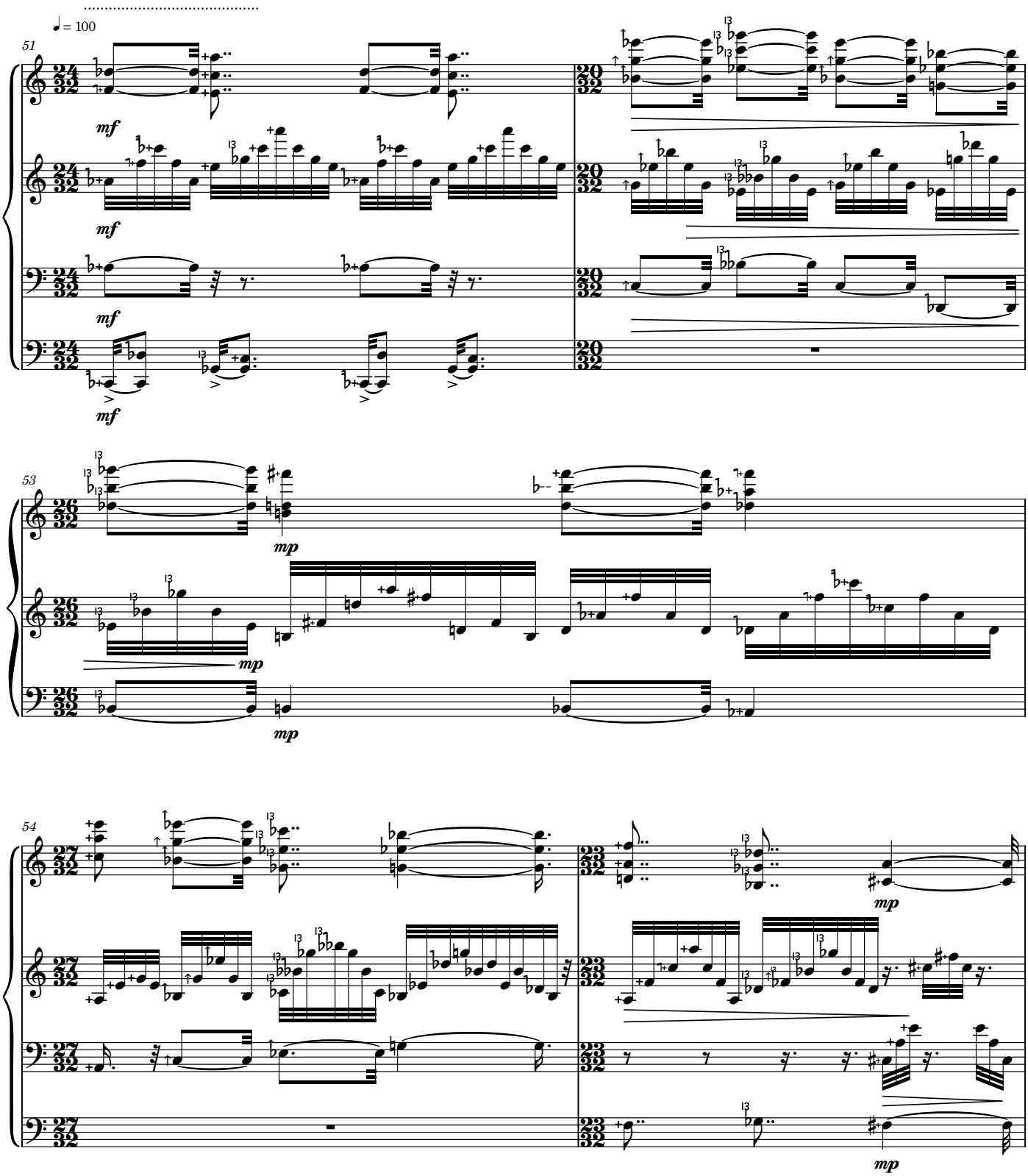

6
p
5
3:2
8
7:5
p
10
12
5
7:5
14
6:5
7:5

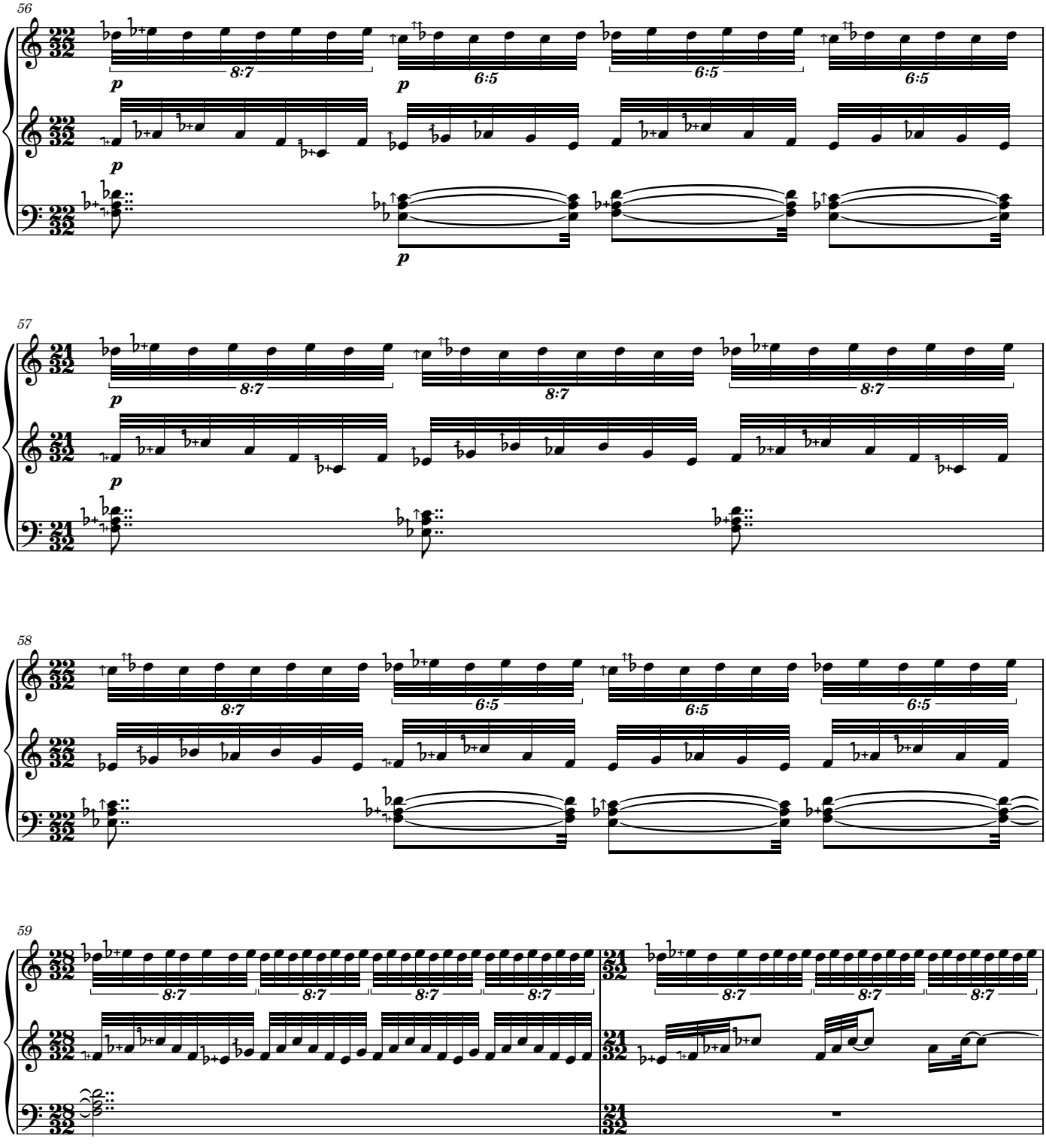

16
6:5
5
7
17
5
7
18
♩ = 110
5:3
5:3
5
5
20
5:3
5:3
7:5
5:3

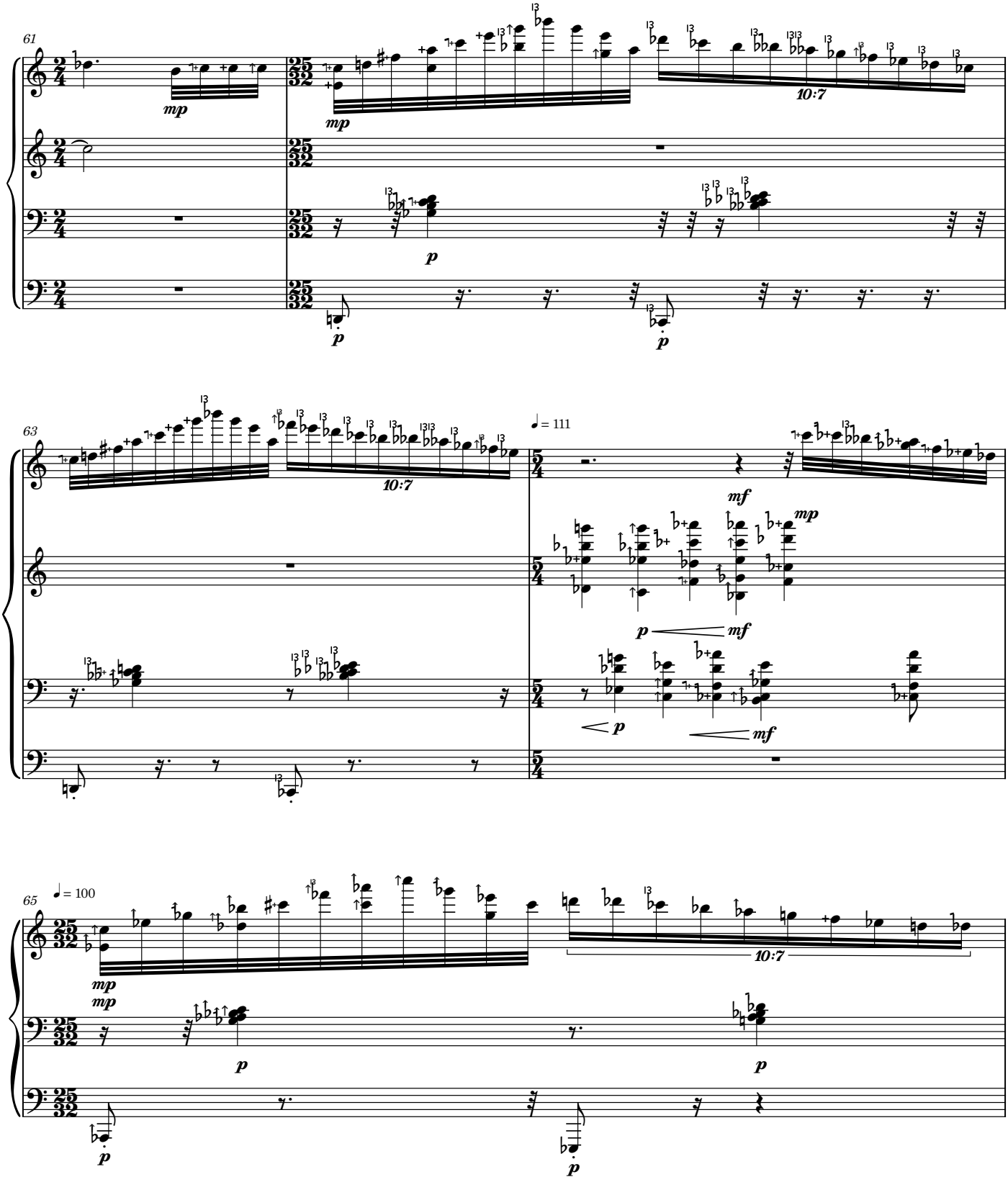

23
5:3
5:3
5
25
5:3
5:3
7:5
27
7
7:6
29
7:6
9
3:2
8:7
31
mf
pp
mf
pp
7
p
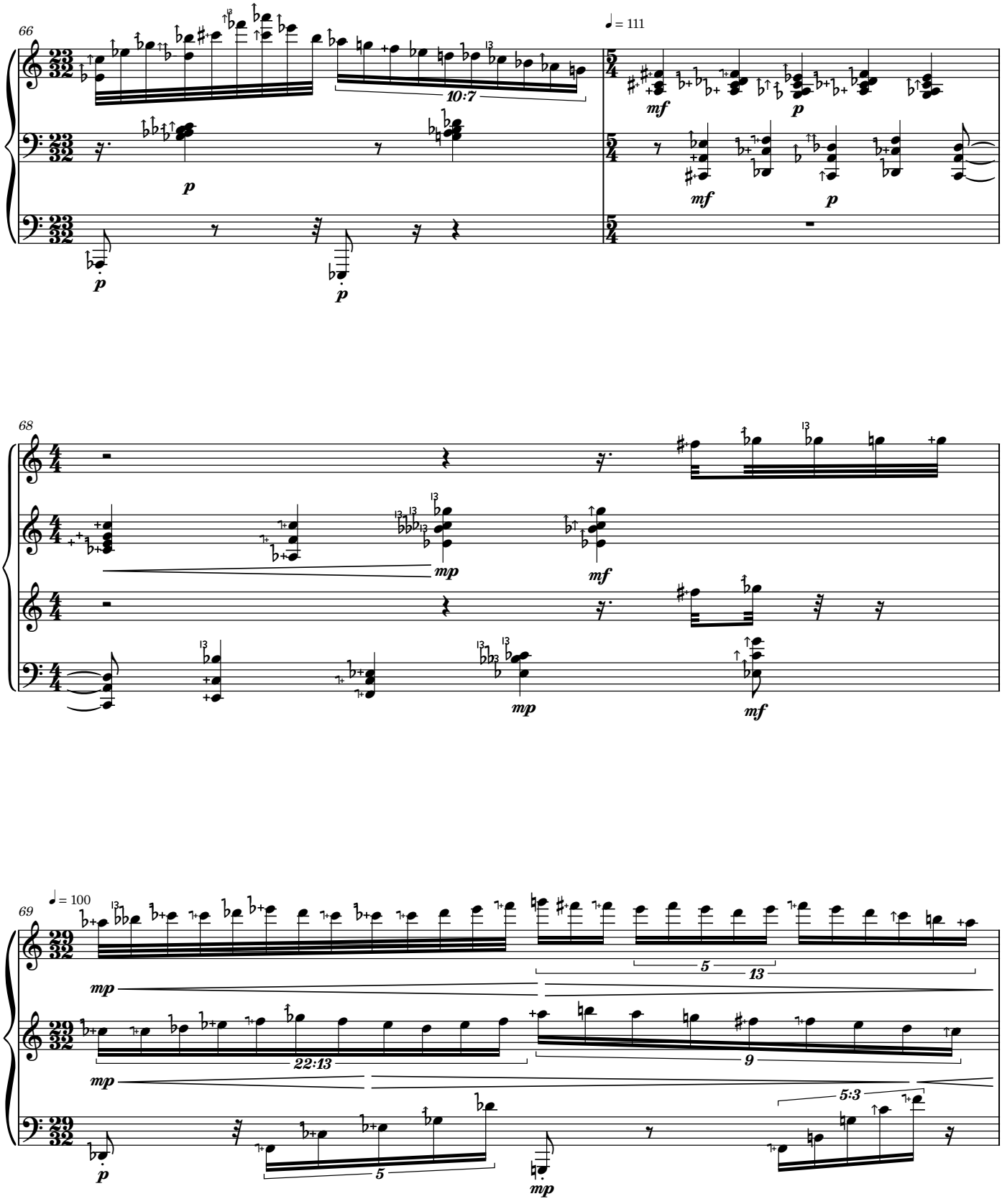

34
7:5
3:2
37
13
38
13
10:9
40
5:4
3:2
pp
42
♩ = 100
mf
mf
mf

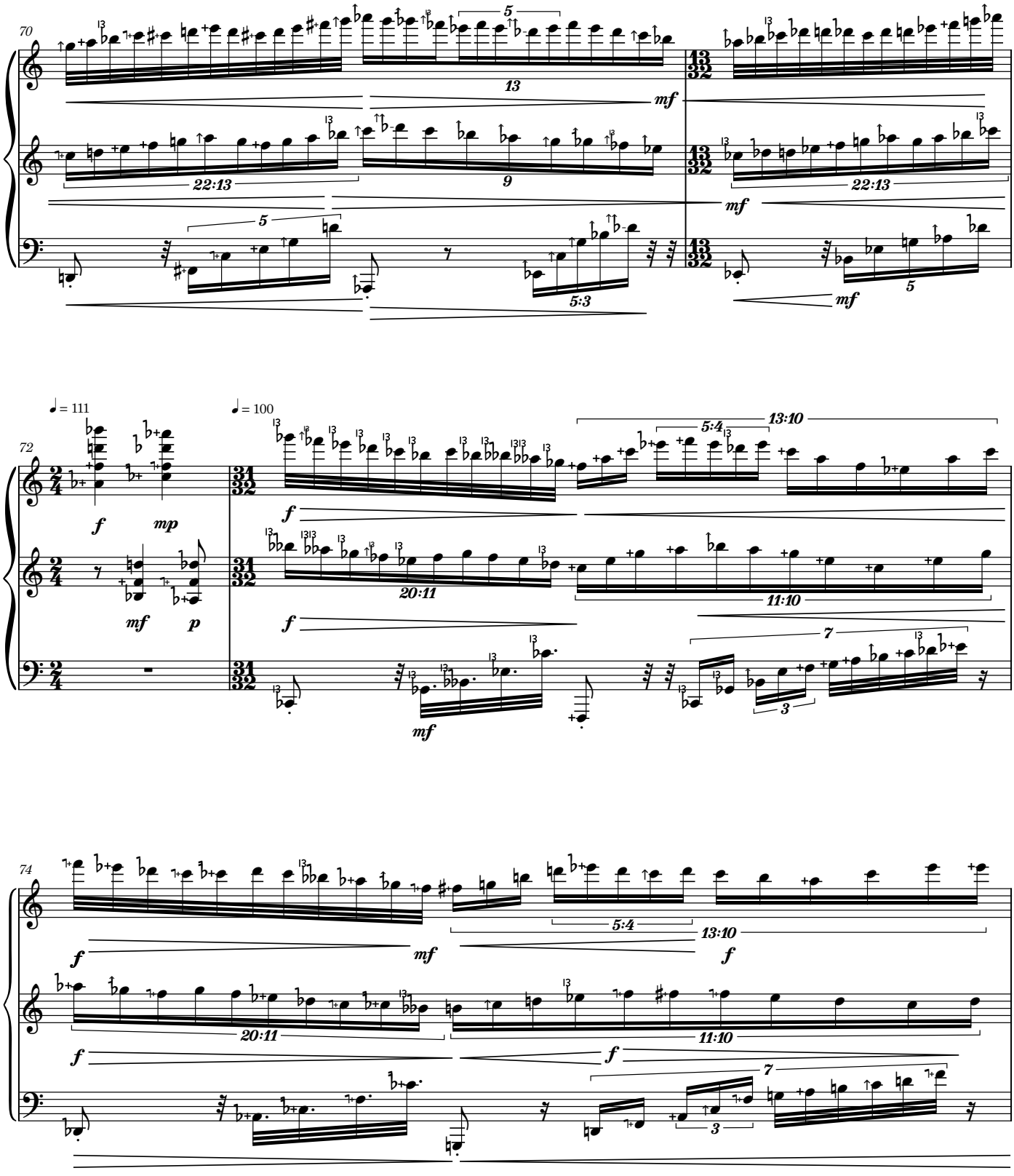

rit.
♩ = 38
44
15/32
f
46
♩ = 100
22/32
mf
♩ = 38
rit.
48
10/32
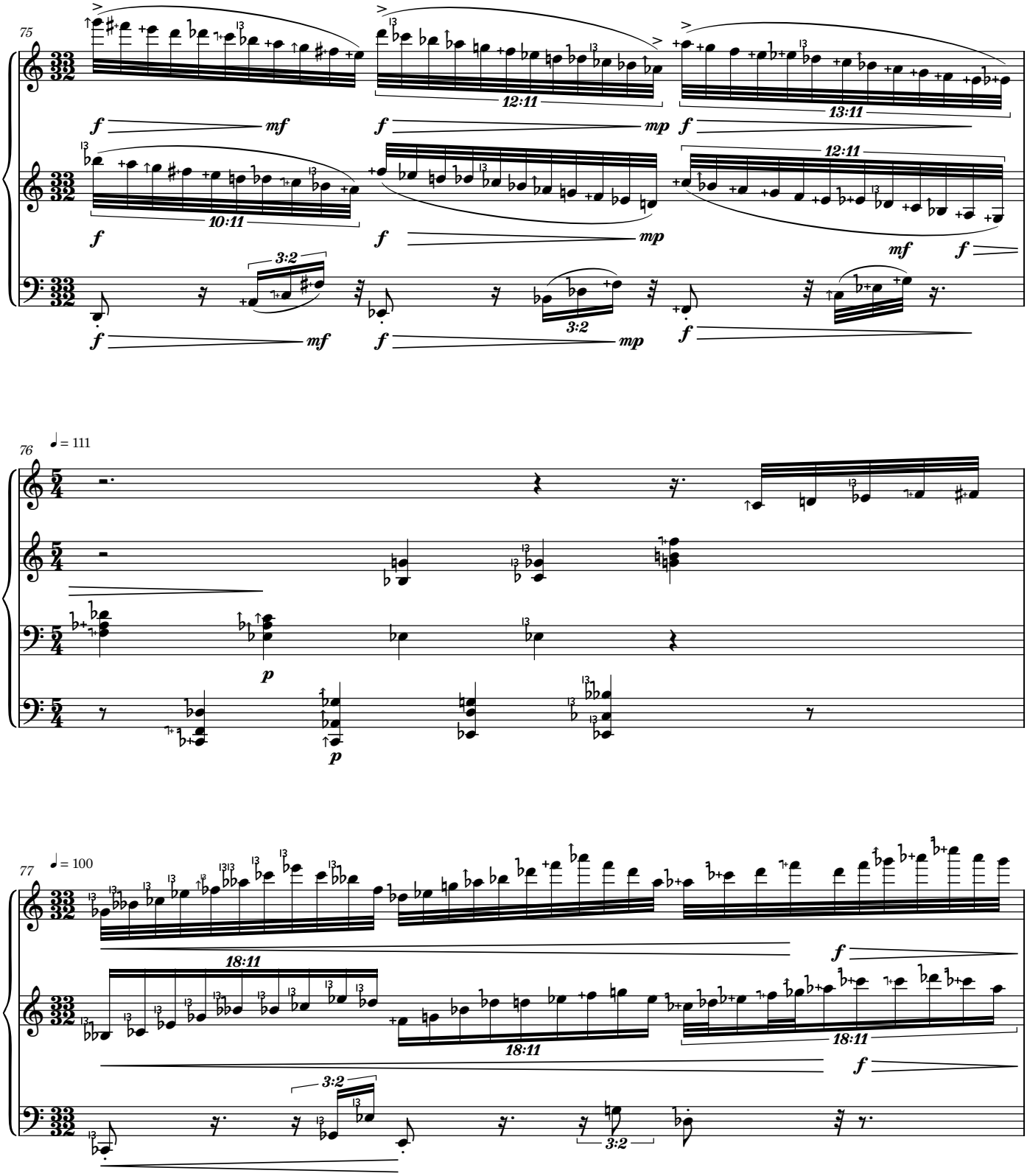

51
♩ = 100
mf
mf
mf
mf
53
mp
mp
mp
54
mp
mp
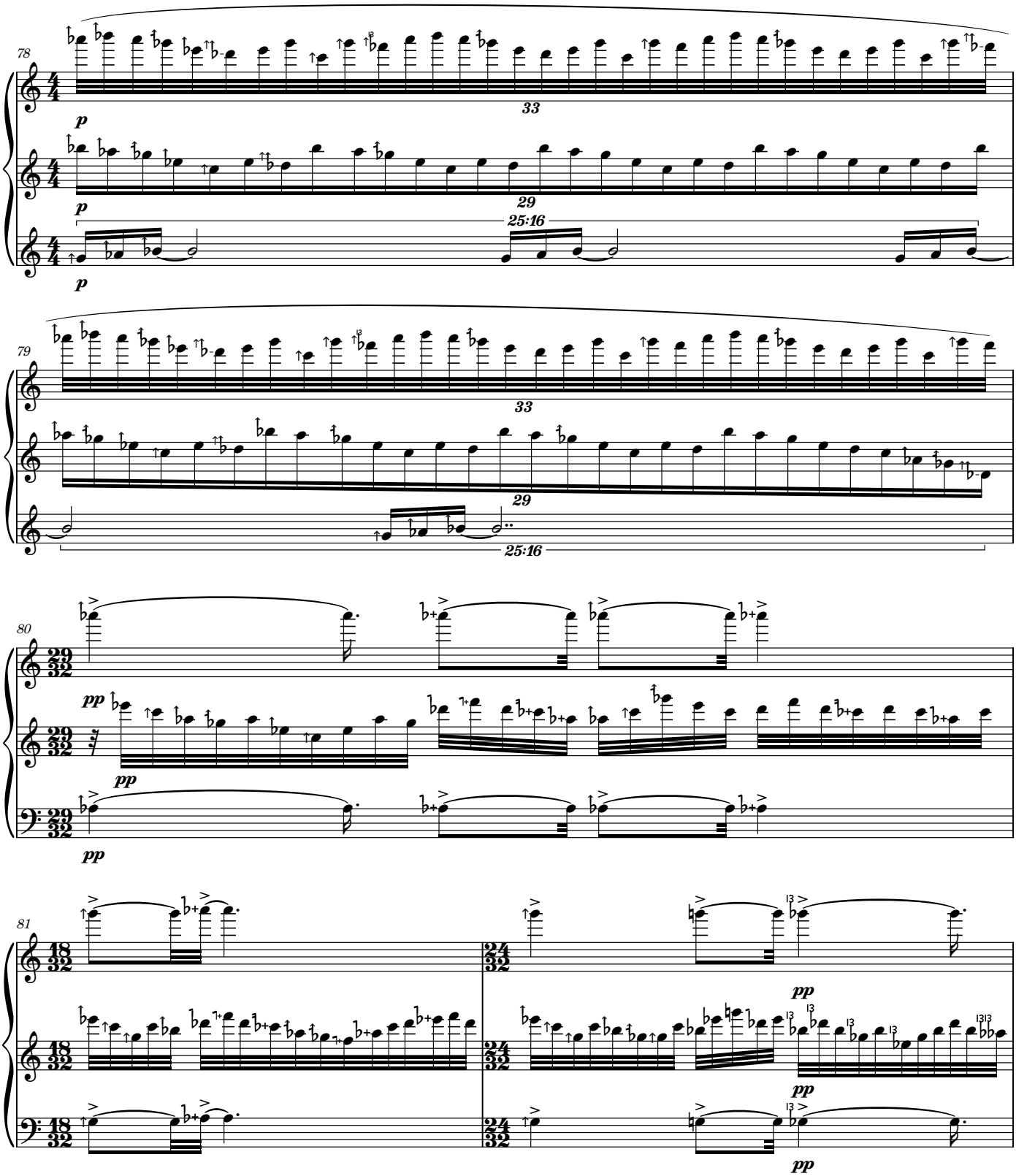

56
57
58
59
8:7
6:5
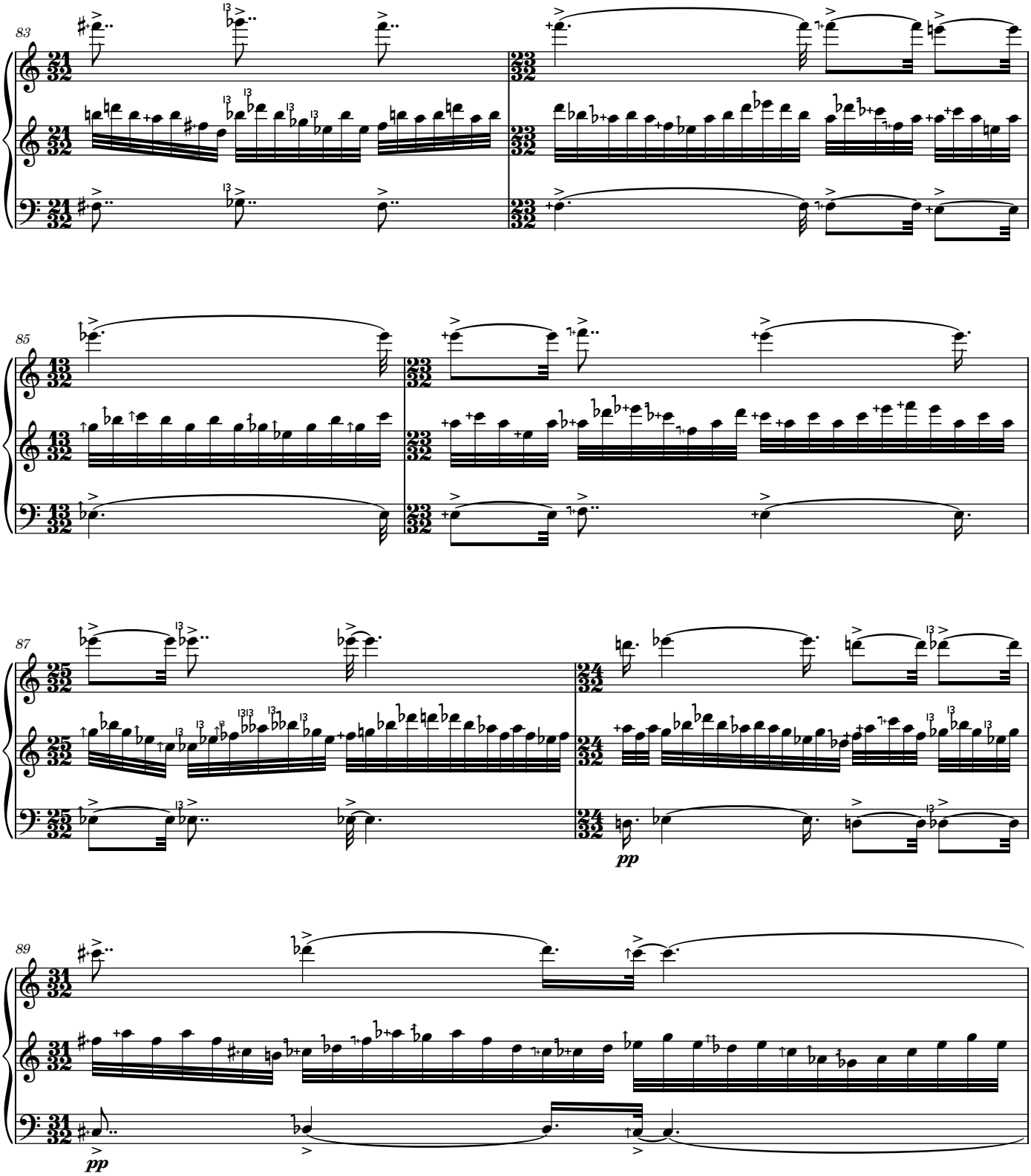

61
mp
mp
10:7
p
p
p
63
10:7
♩ = 111
mf
mp
p
mf
p
mf
65
♩ = 100
mp
mp
10:7
p
p
p
p

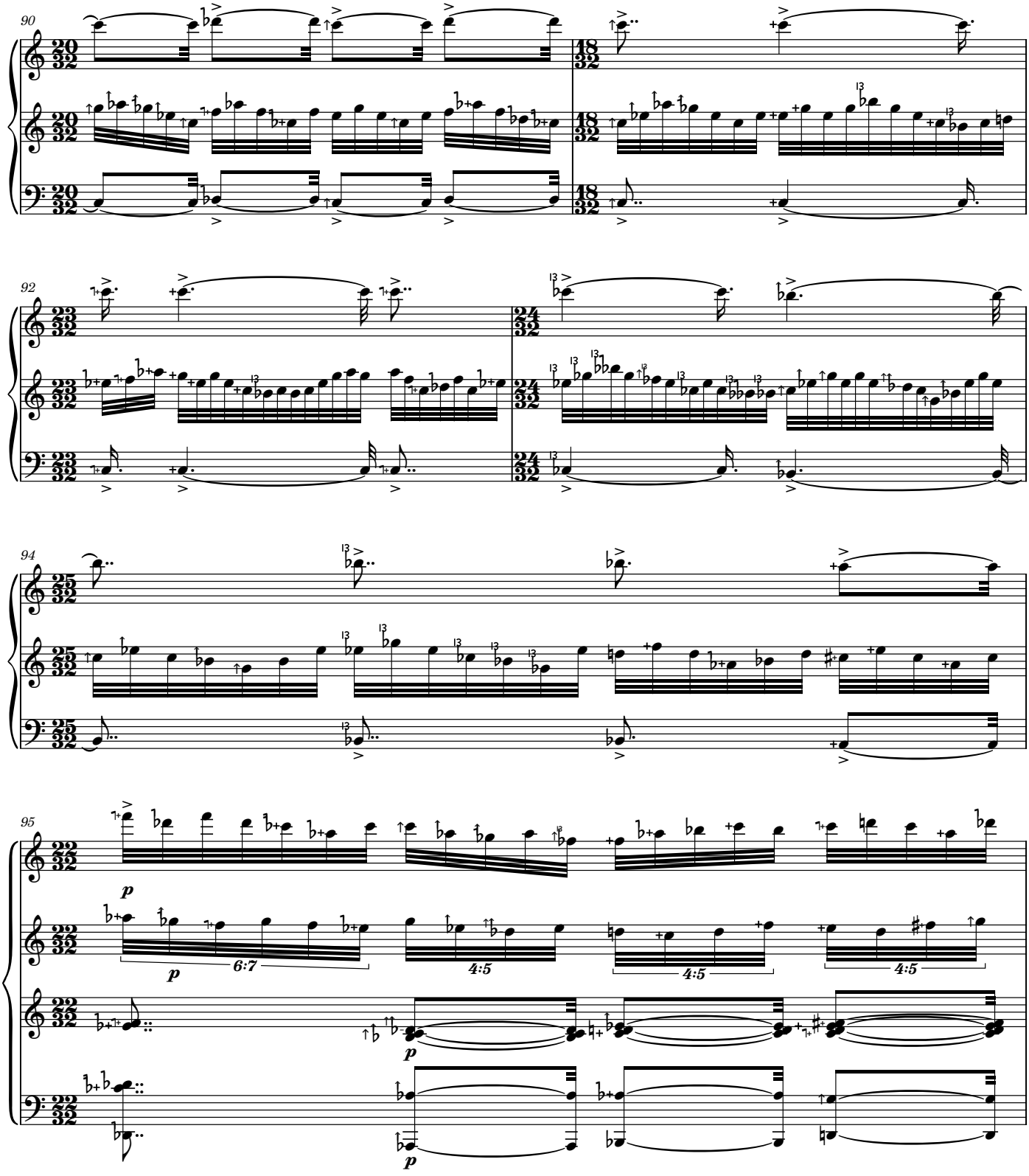

66
♩ = 111
10:7
mf
p
68
mp
mf
69
♩ = 100
5
13
22:13
9
5:3
5

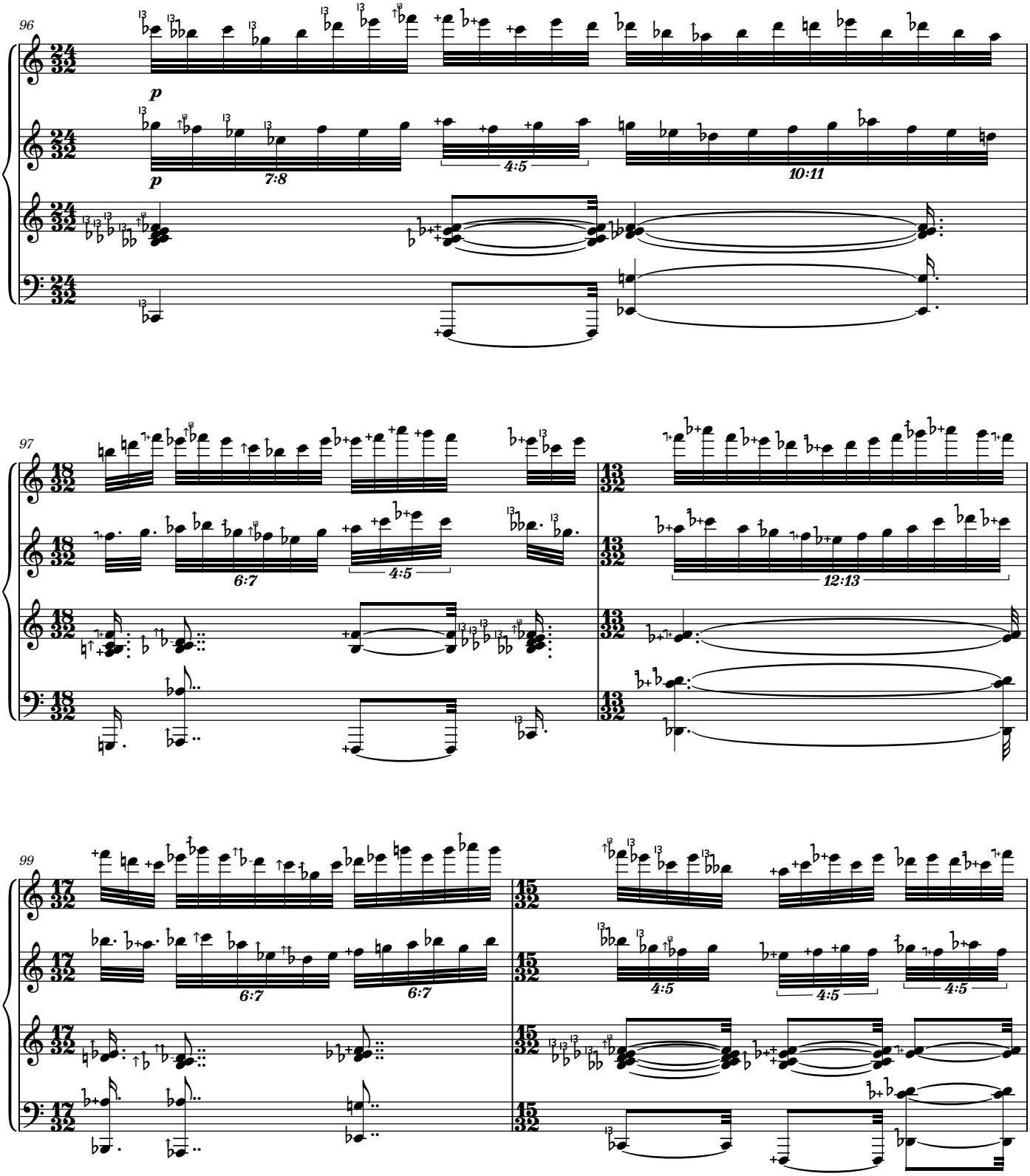

70
5
13
mf
22:13
9
mf
22:13
5
5:3
mf
5
72
♩ = 111
♩ = 100
f
mp
mf
p
5:4
13:10
f
20:11
11:10
mf
7
3
74
f
mf
5:4
13:10
f
20:11
11:10
f
f
7
3

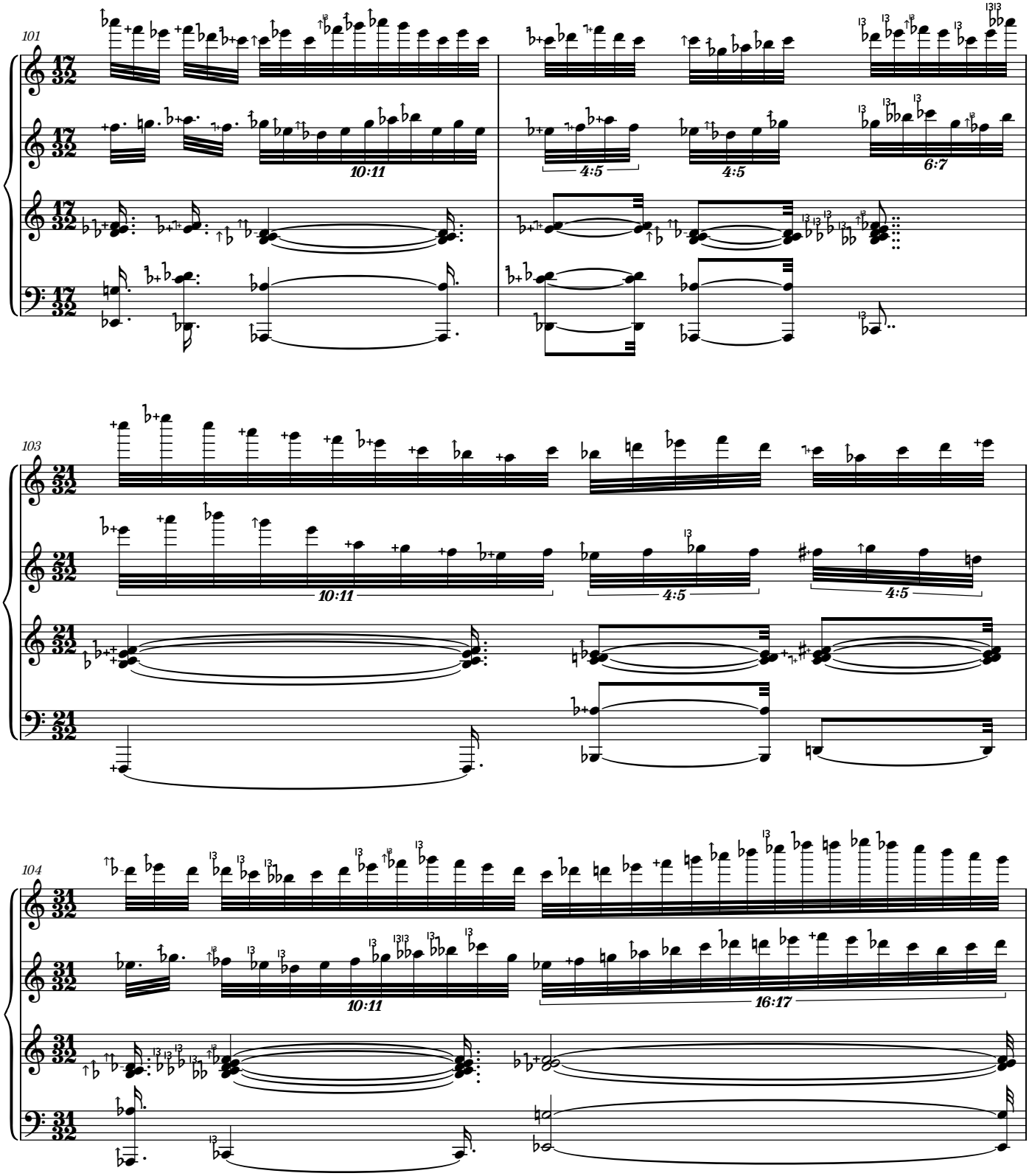

75
12:11
13:11
10:11
3:2
76
♩ = 111
77
♩ = 100
18:11

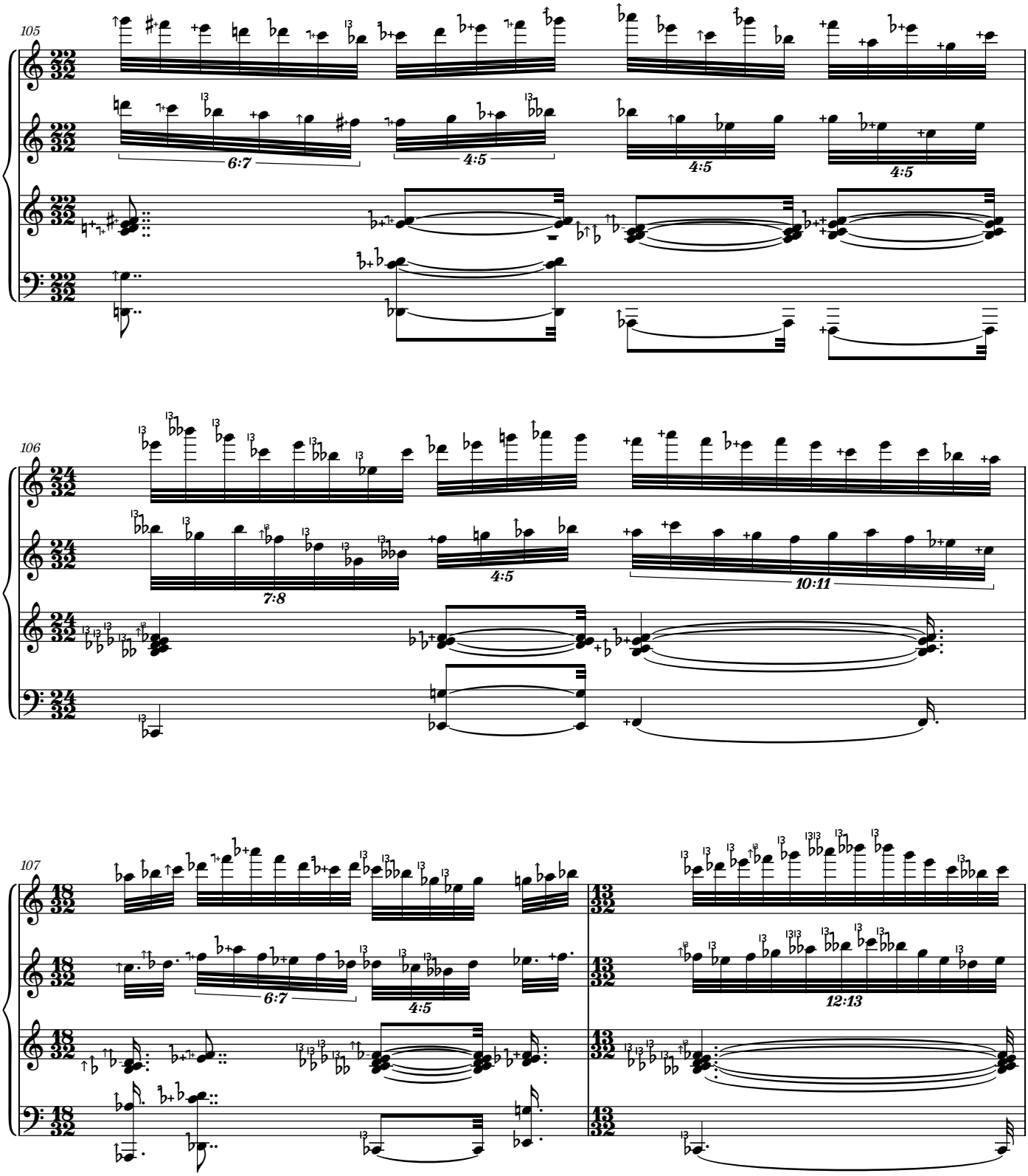

78
p
33
29
25:16
79
80
pp
81

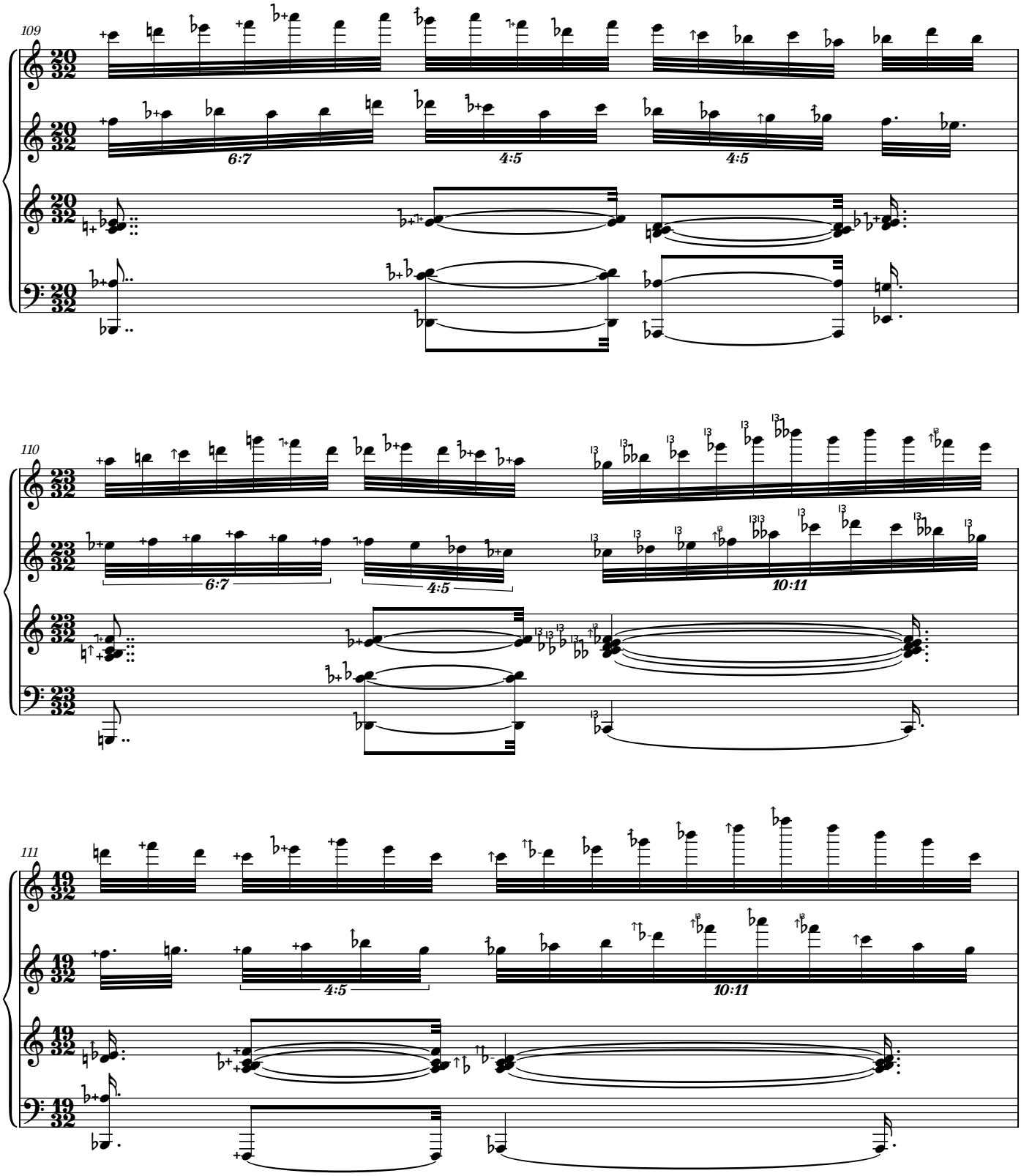

83
85
87
89
pp
pp

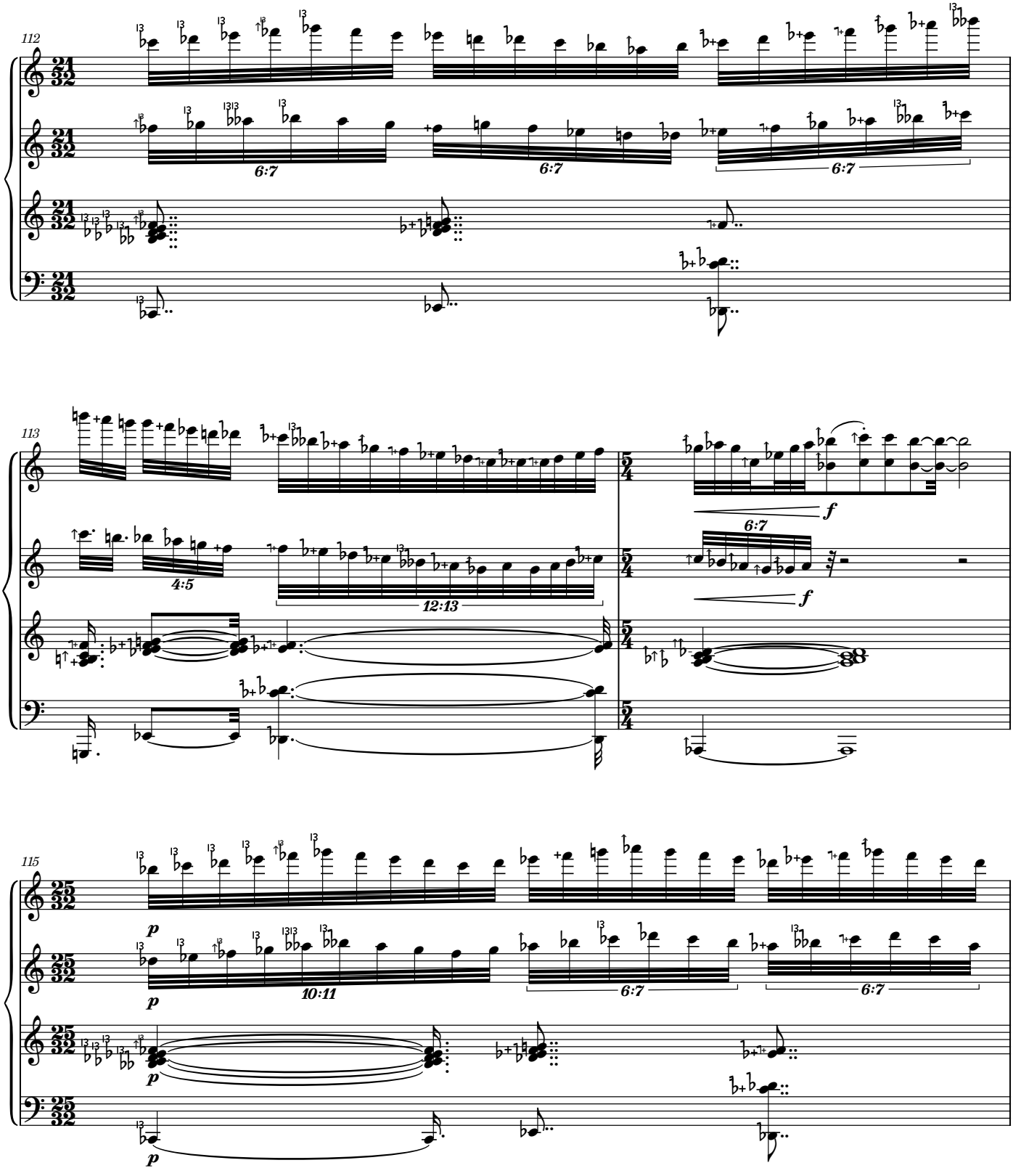

90
92
94
95
p
6:7
4:5
4:5
4:5
p
p

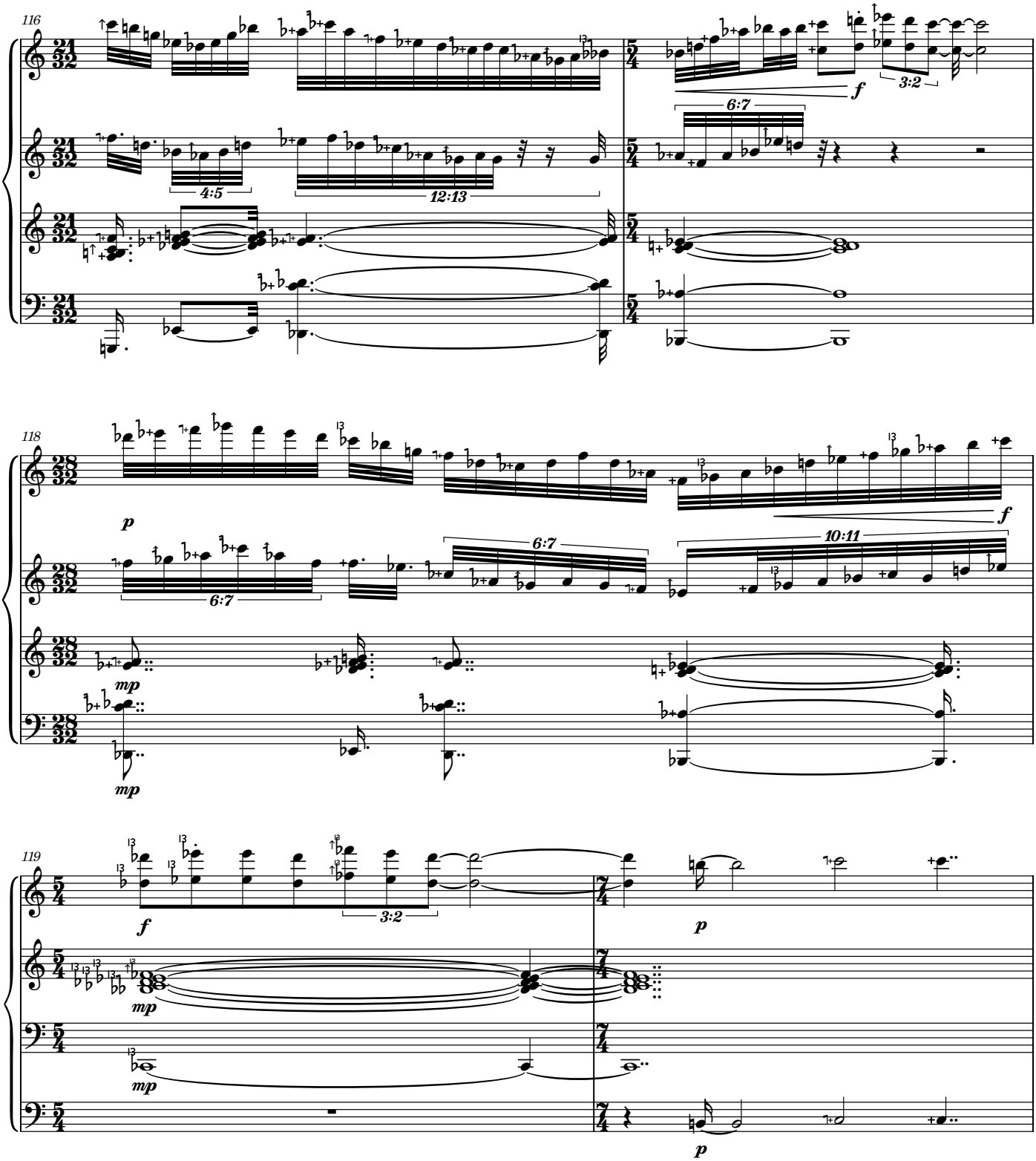

96
p
p
7:8
4:5
10:11
97
6:7
4:5
12:13
99
6:7
6:7
4:5
4:5
4:5

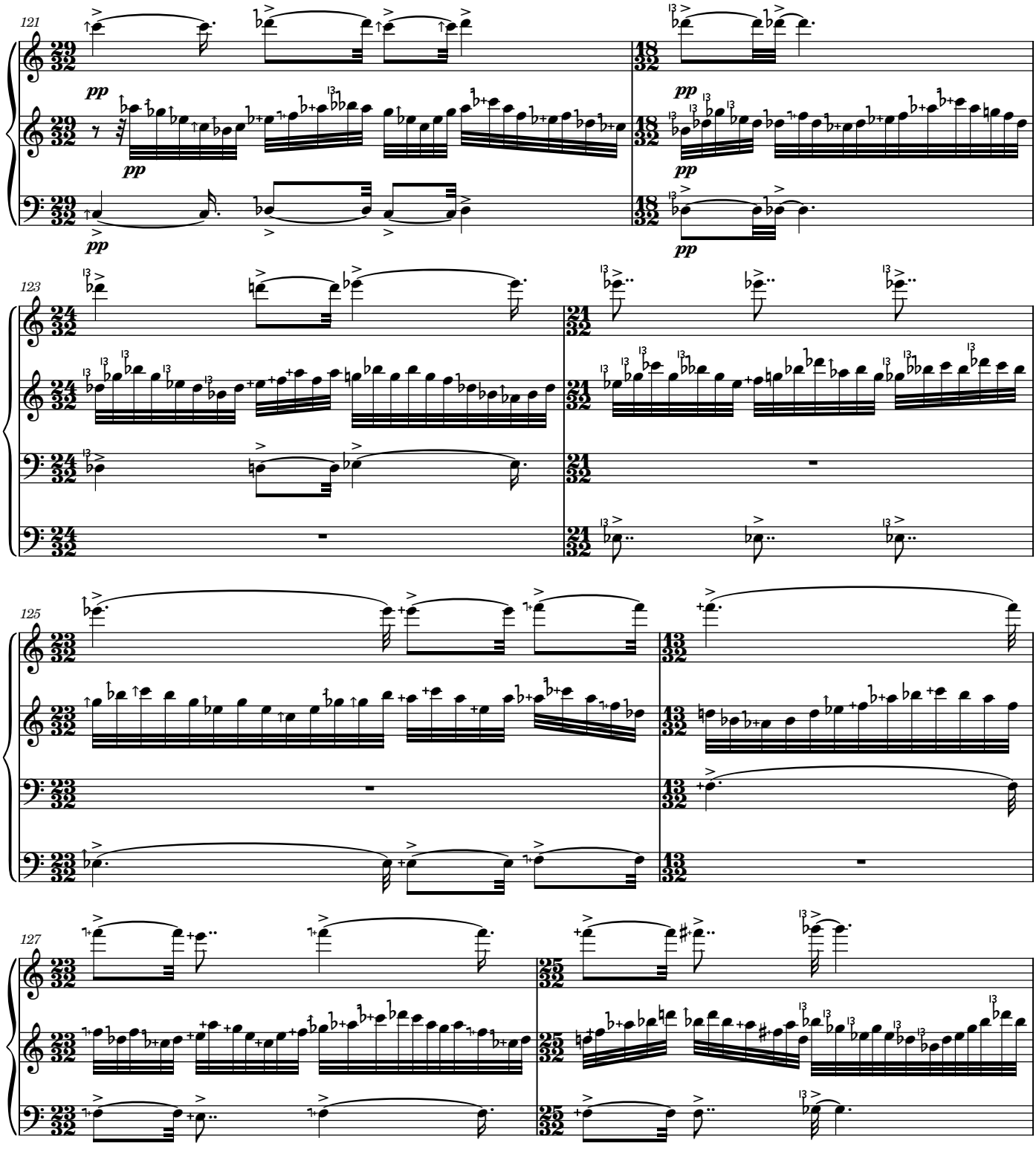

101
10:11
4:5
4:5
6:7
103
10:11
4:5
4:5
104
10:11
16:17

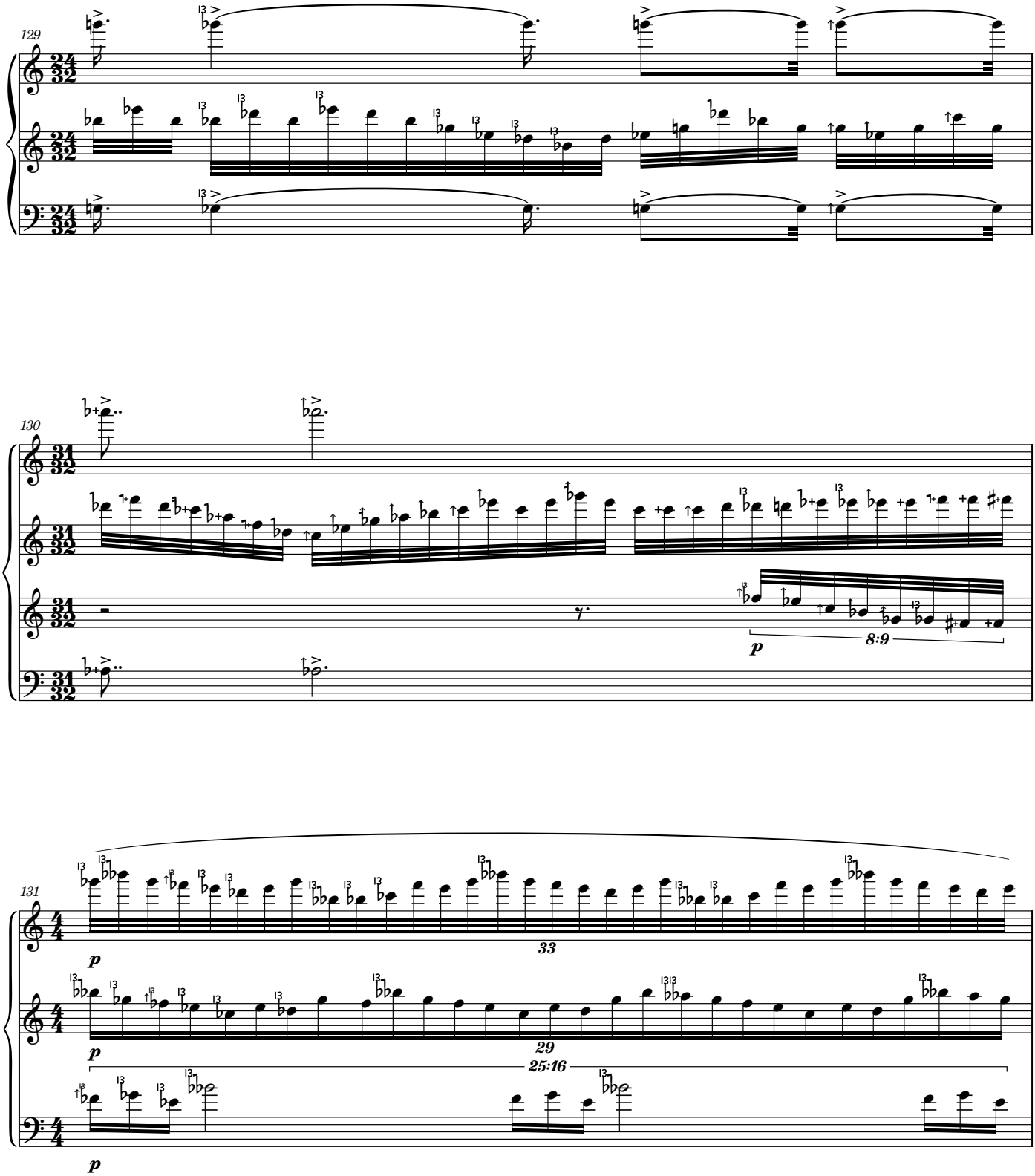

105
6:7
4:5
4:5
4:5
106
7:8
4:5
10:11
107
6:7
4:5
12:13

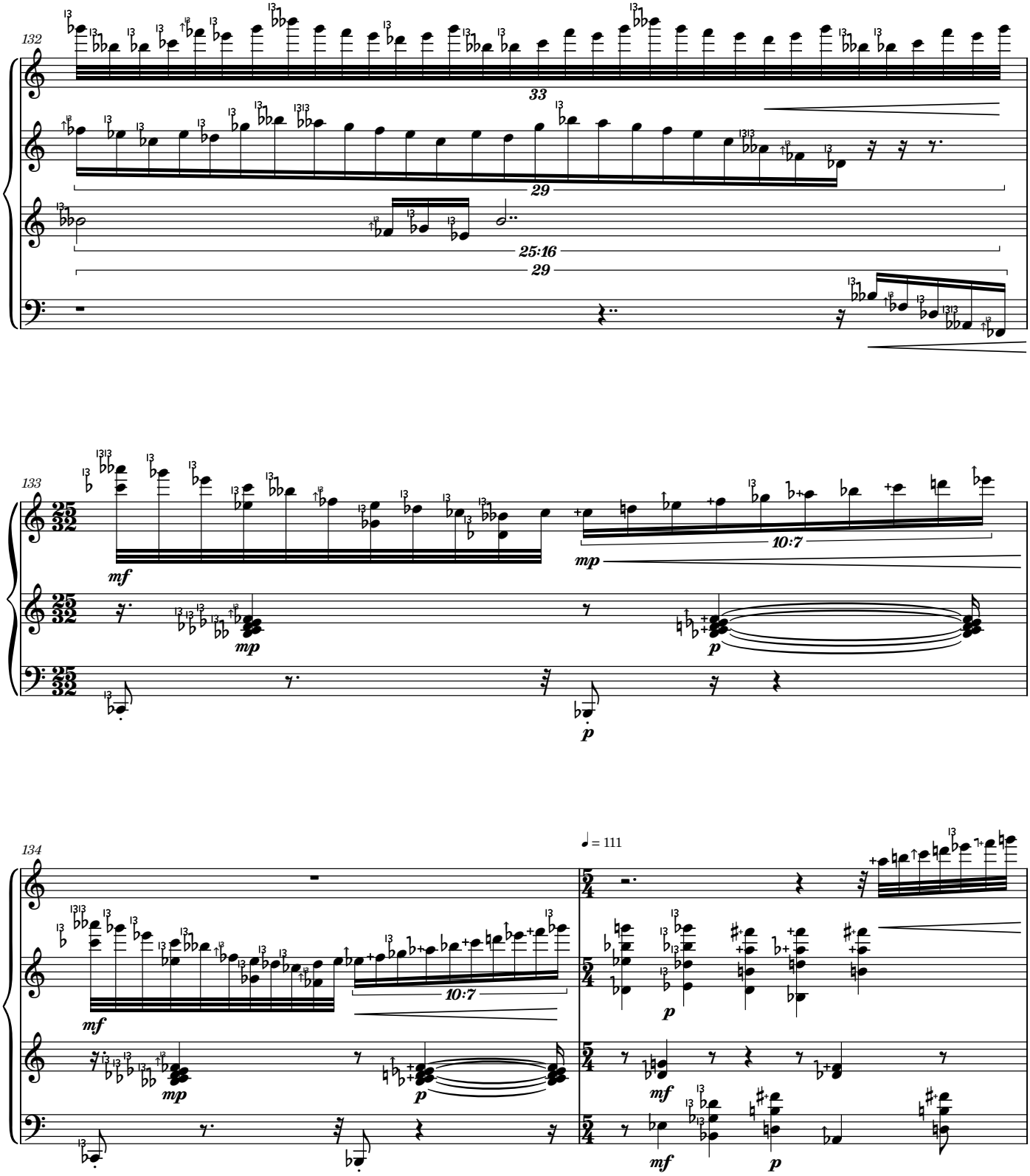

109
6:7
4:5
4:5
110
6:7
4:5
10:11
111
4:5
10:11
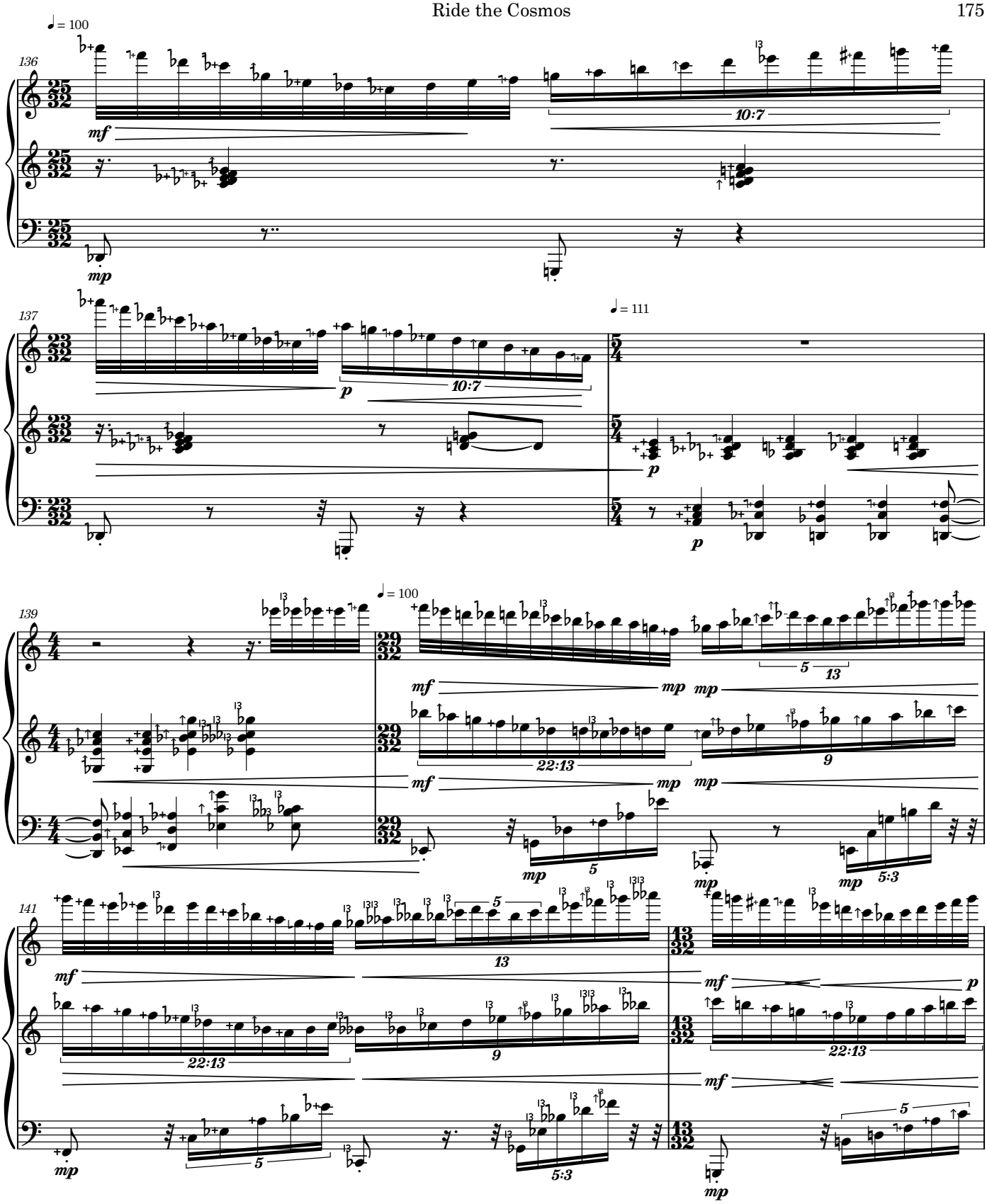

112
6:7
6:7
6:7
113
4:5
12:13
6:7
f
f
115
p
p
10:11
6:7
6:7
p
p

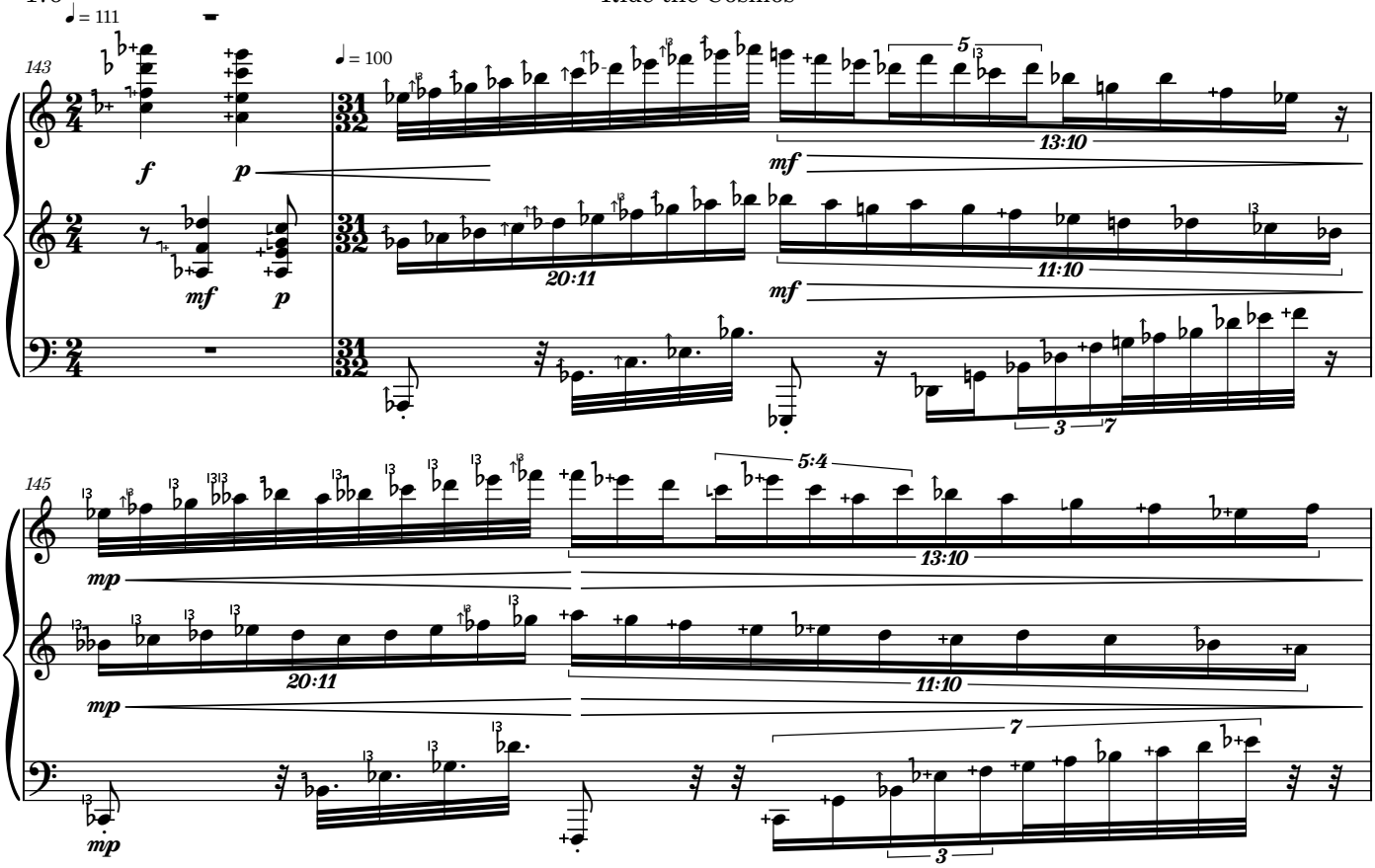

116
4:5
12:13
6:7
3:2
f
118
p
6:7
10:11
mp
f
119
3:2
mp
p

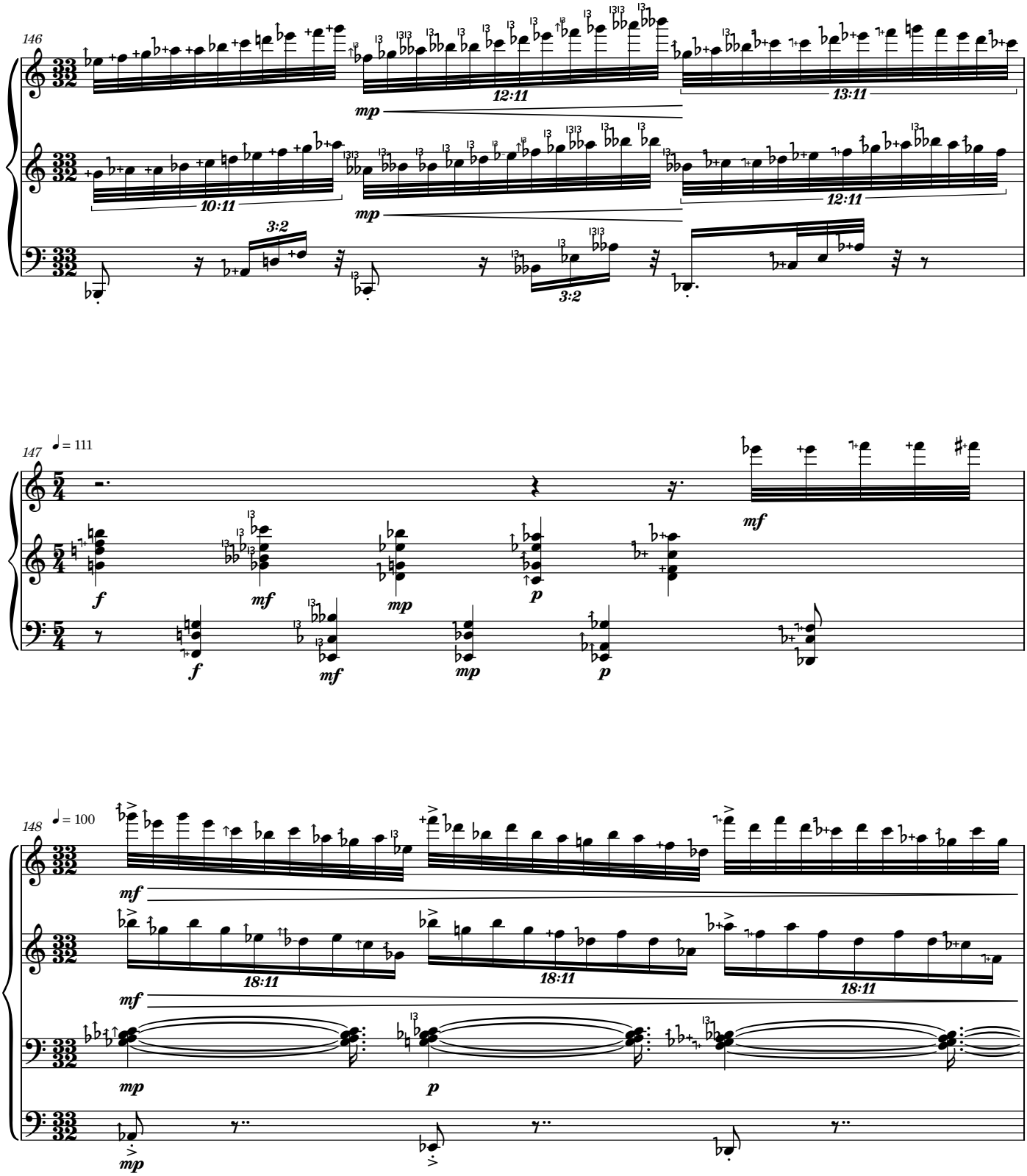

121
pp
123
125
127
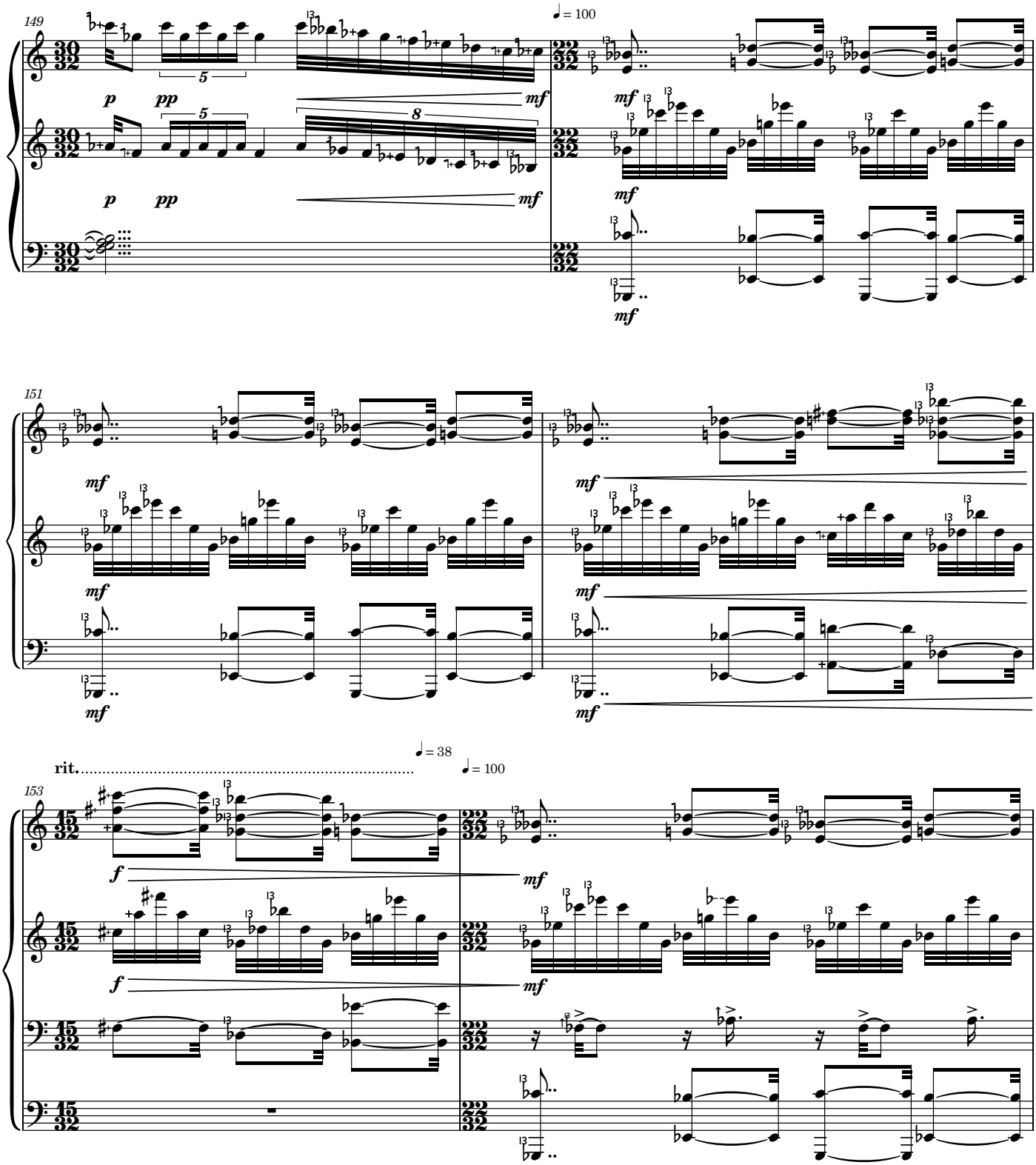

129
130
131
p
8:9
33
29
25:16

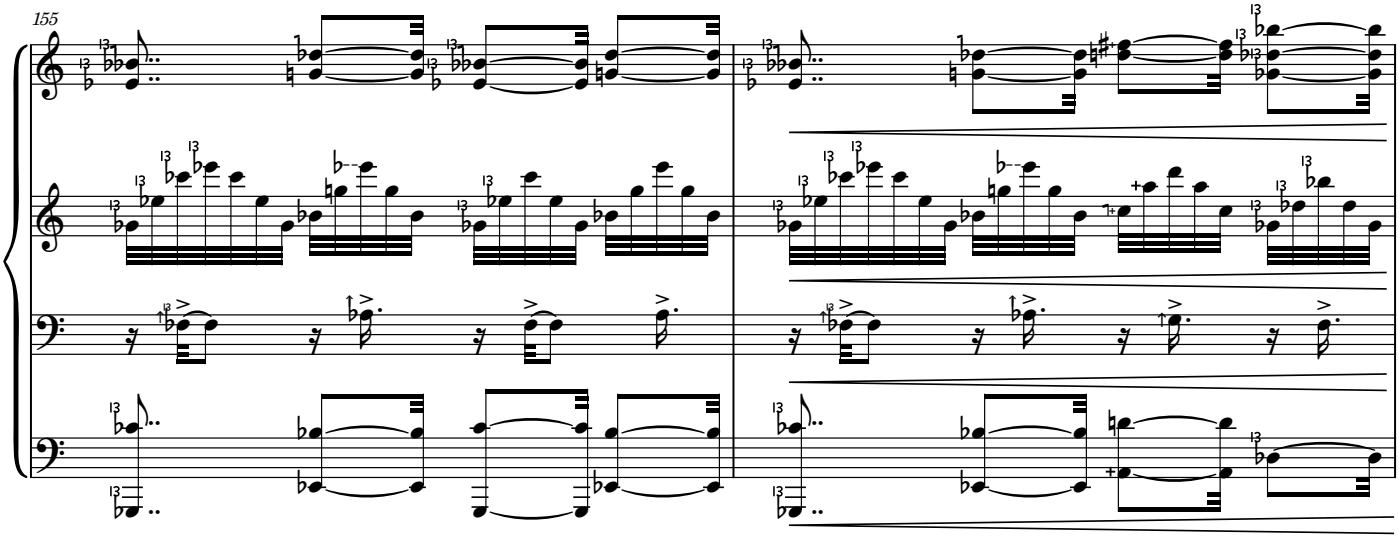

132
33
29
25:16
29
133
mf
mp
mp
p
10:7
p
134
mp
mf
p
10:7
♩ = 111
mf
p
mf
mf
p

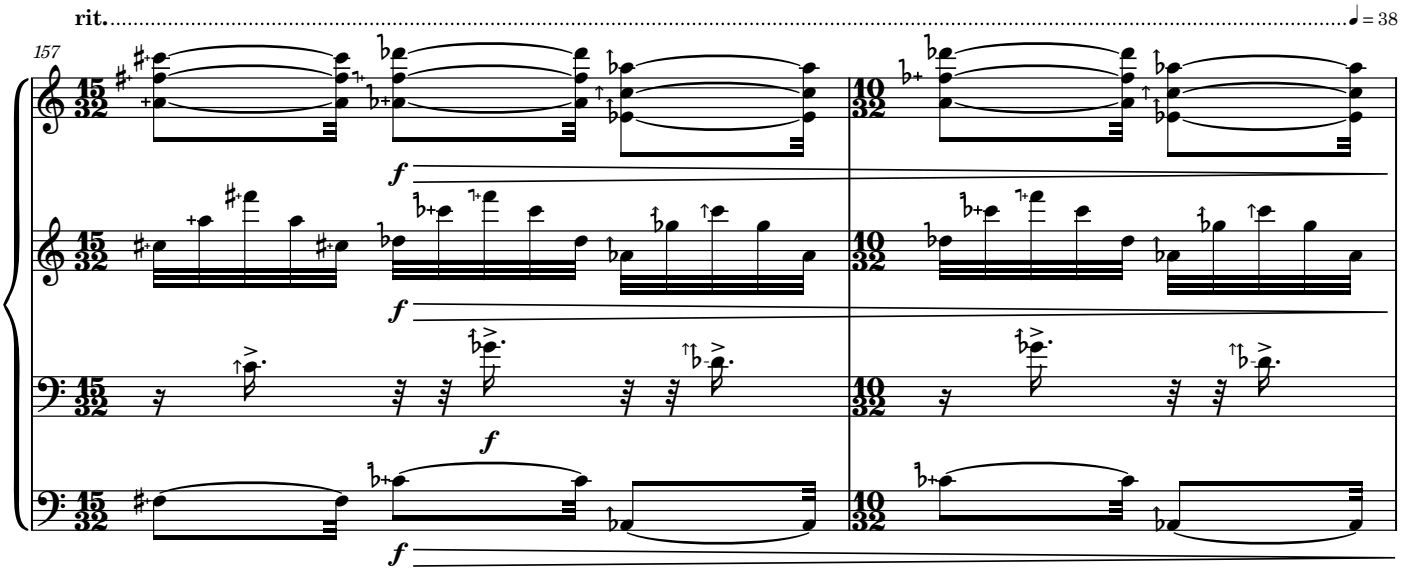

♩ = 100
136
mf
10:7
mp
137
10:7
p
♩ = 111
p
p
139
♩ = 100
mf
mp
mp
5
13
22:13
9
mf
mp
mp
mp
5
mp
5:3
141
13
mf
mf
p
22:13
9
mf
mp
5
5:3
mp
5
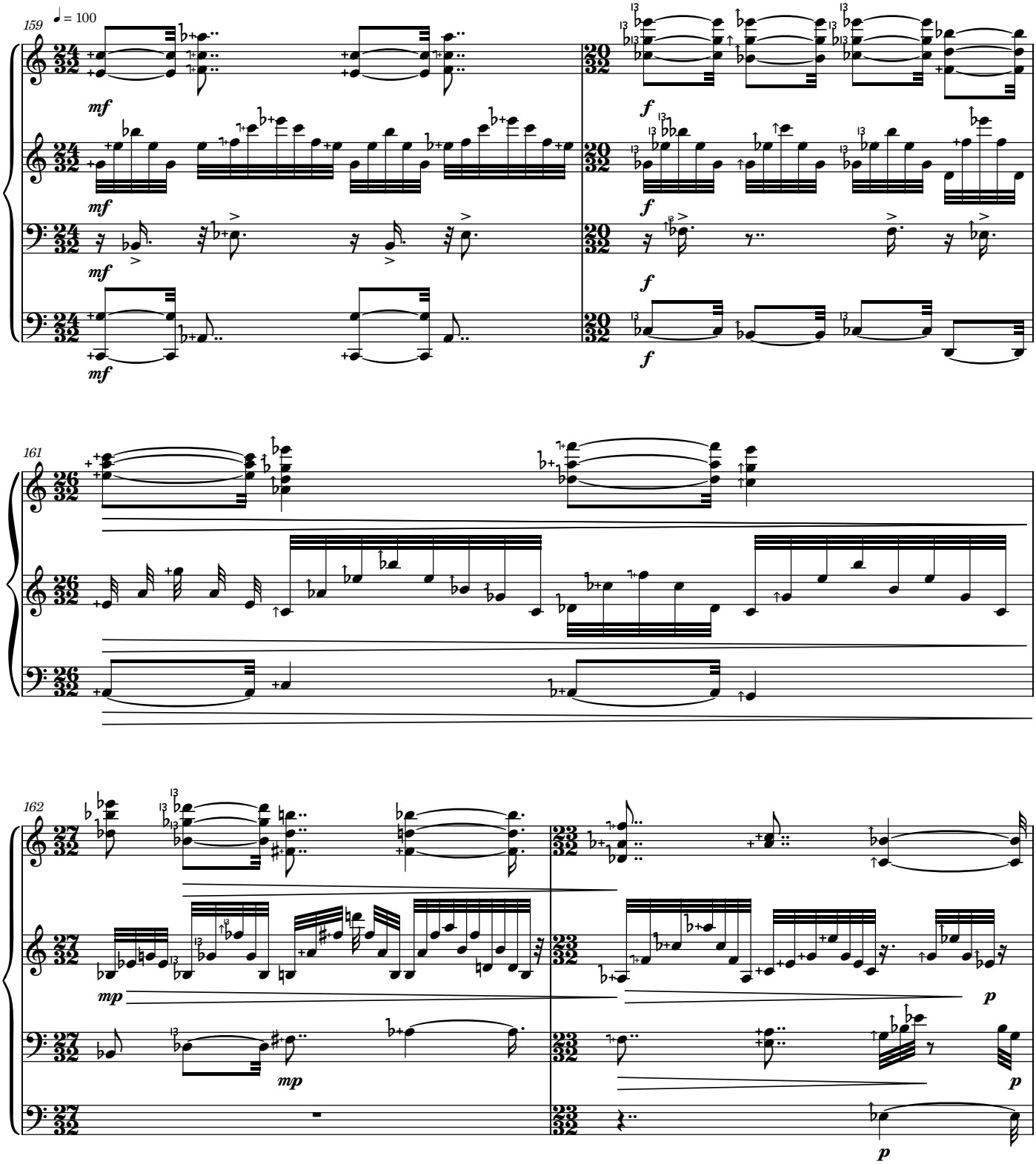

♩ = 111
143
♩ = 100
f
p
mf
p
mf
mf
5
13:10
20:11
11:10
3
7
145
5:4
mp
mp
mp
13:10
20:11
11:10
7
3
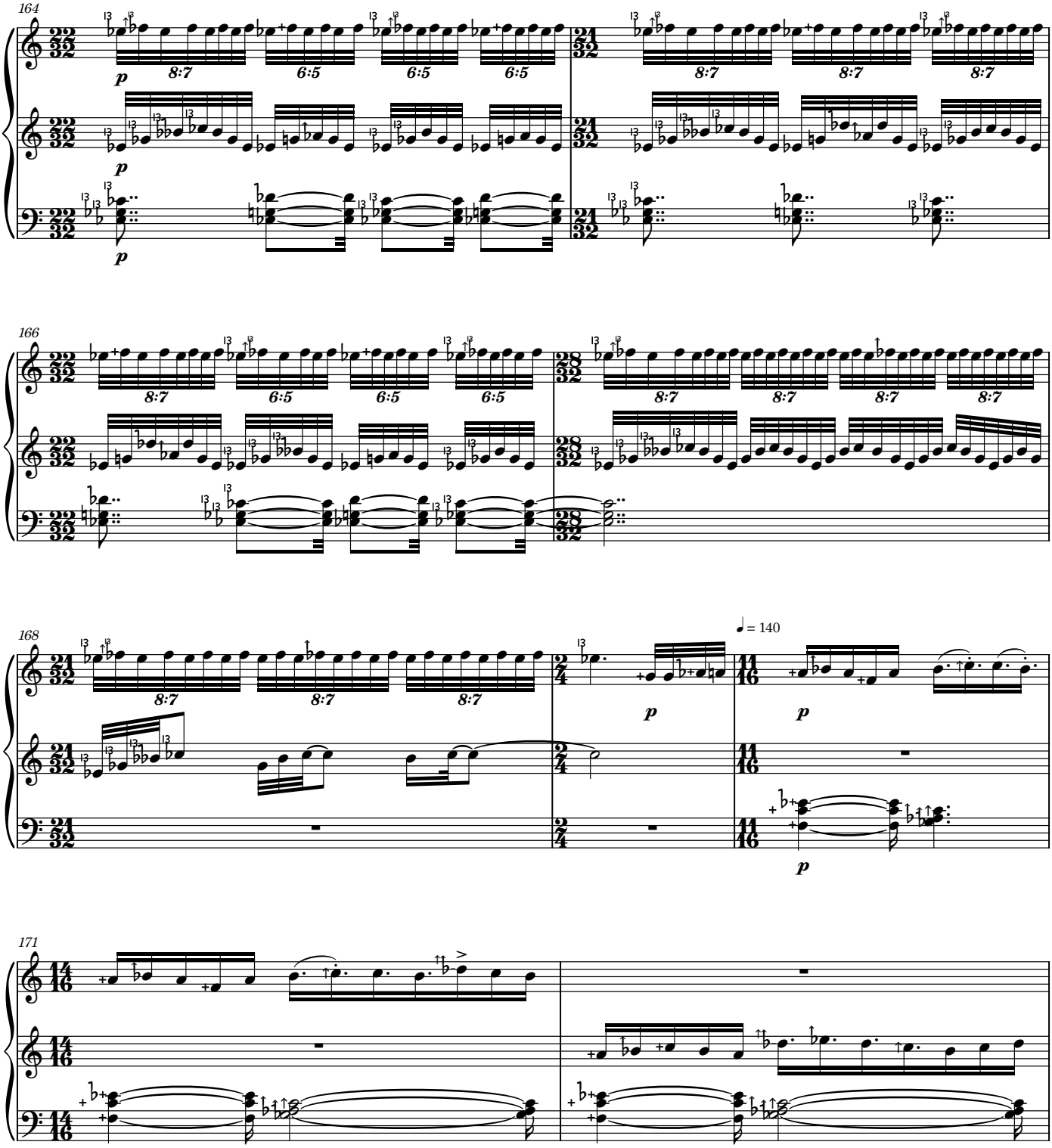

146
12:11
13:11
10:11
12:11
3:2
3:2
147
♩ = 111
148
♩ = 100
18:11
18:11
18:11
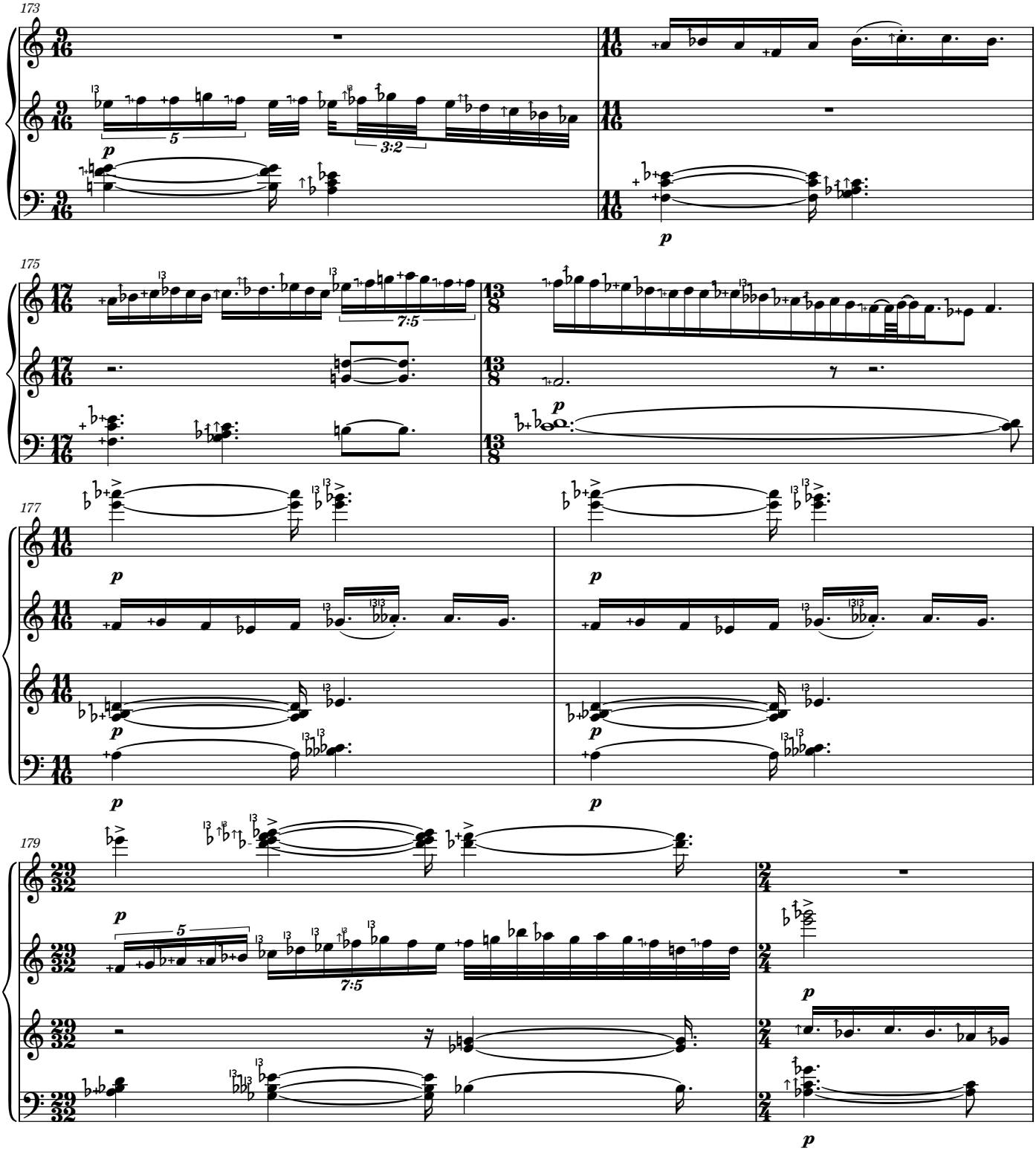

149
♩ = 100
p
pp
mf
151
rit.
♩ = 38
153
f

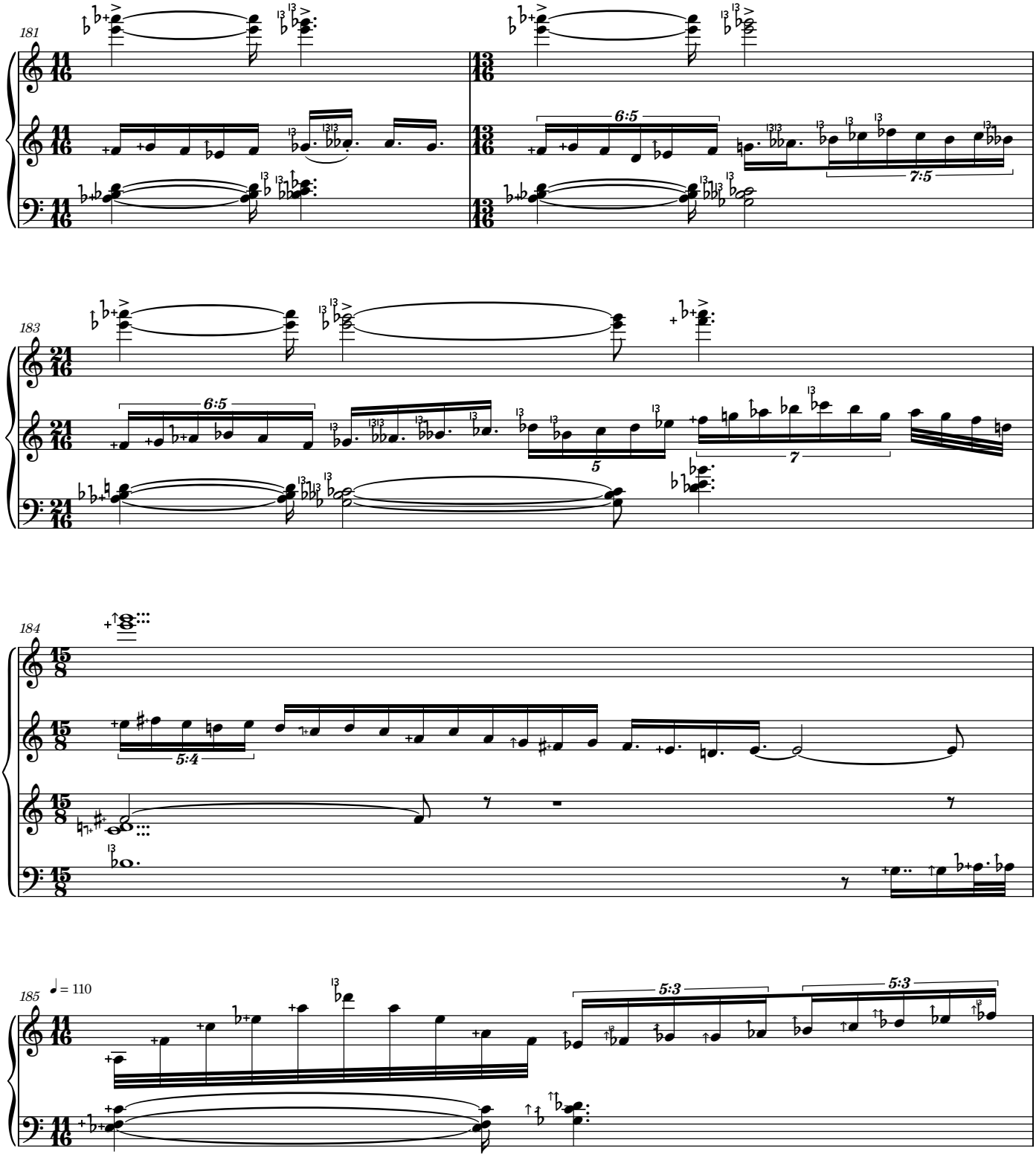

155

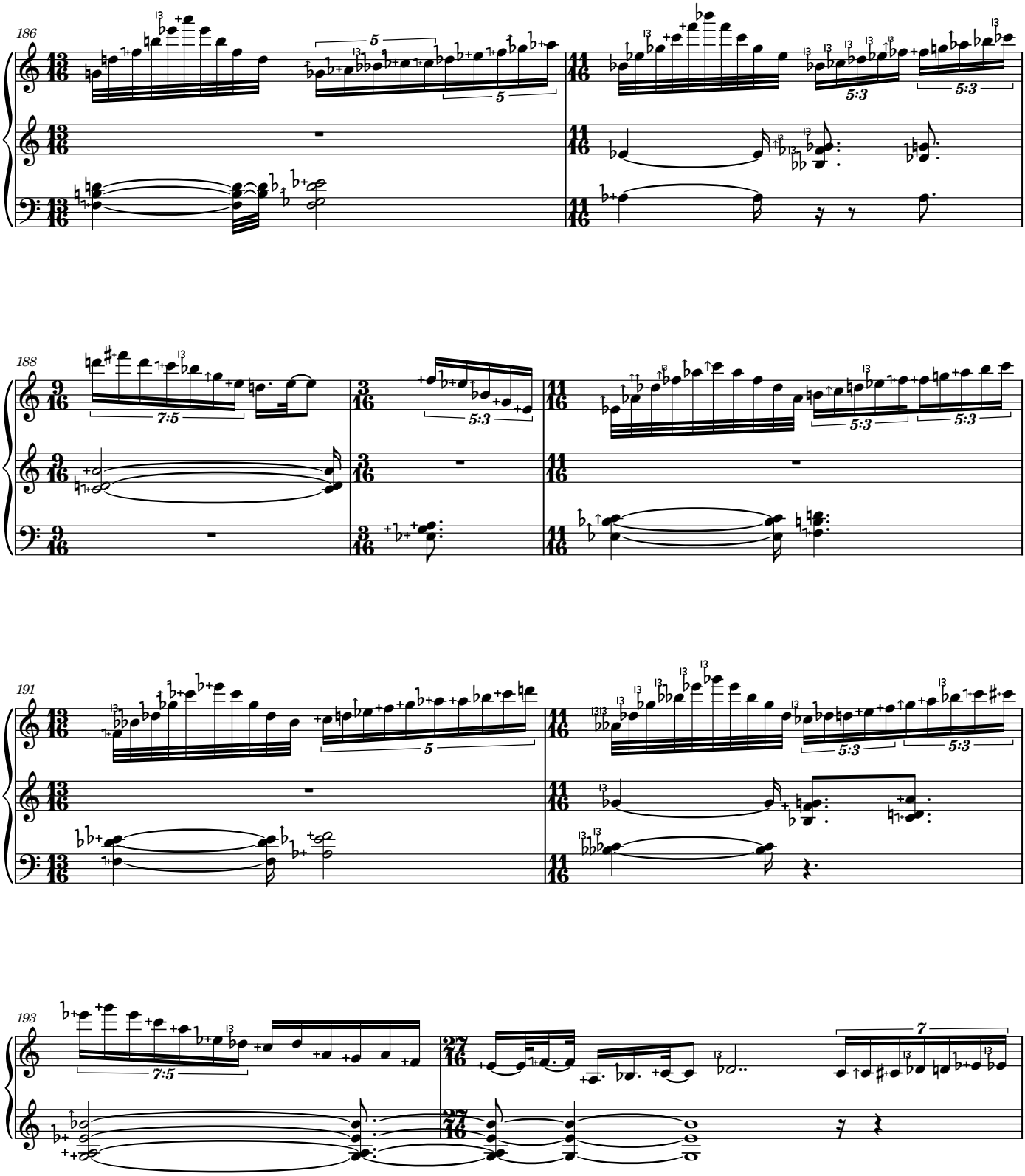

rit.
♩ = 38
157
15/32
10/32
f
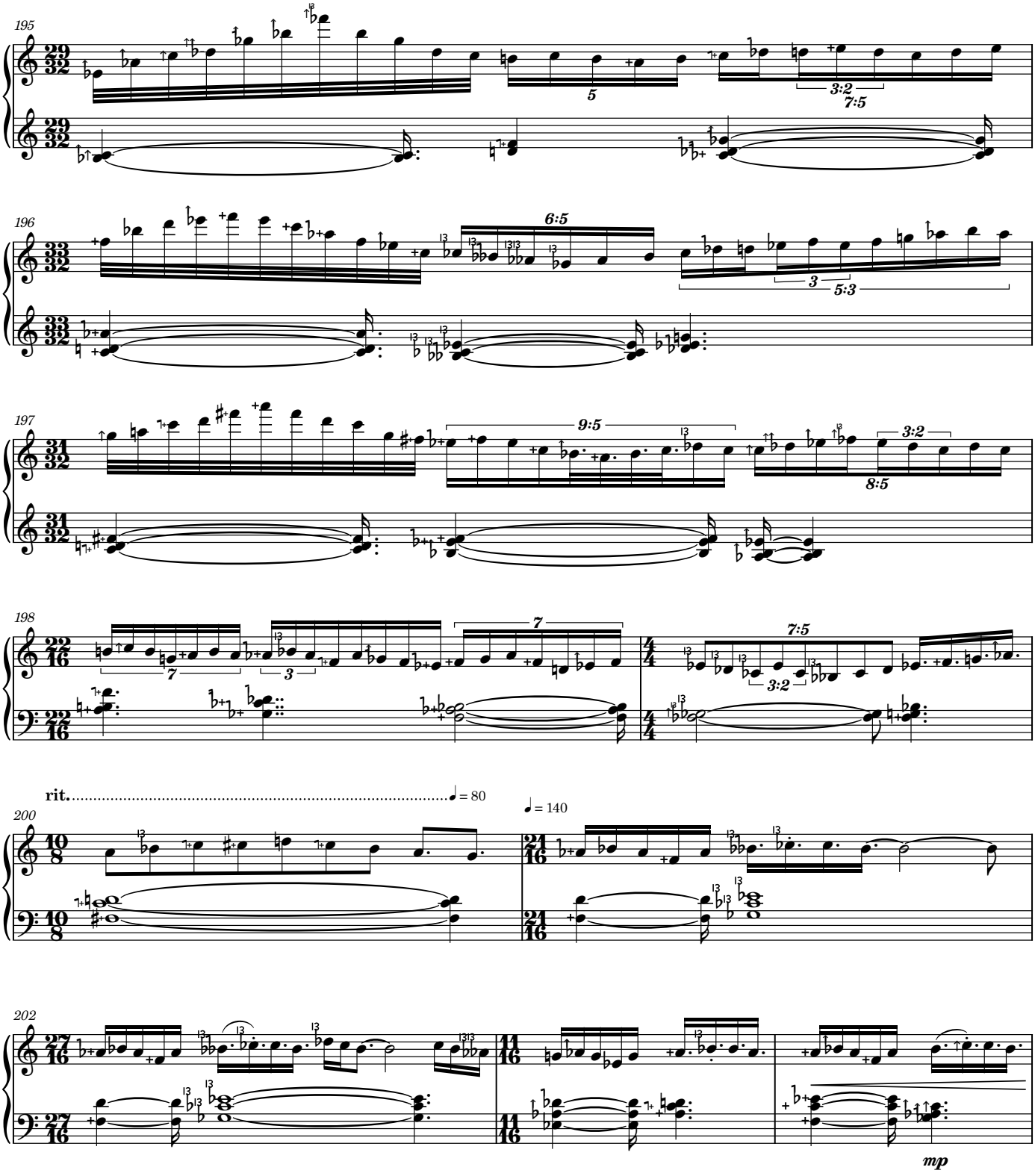

159
♩ = 100
mf
f
161
162
mp
p

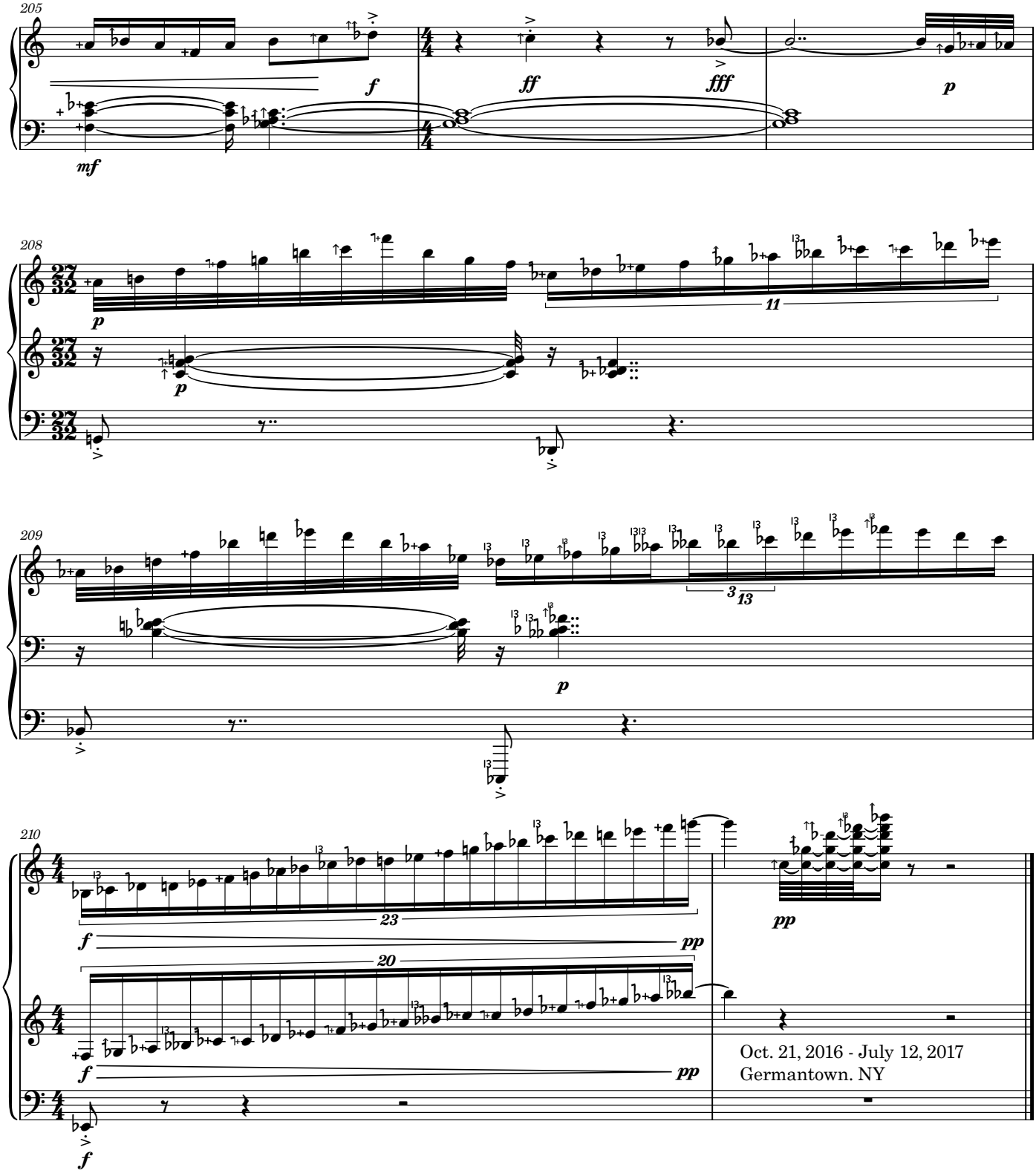

164
166
168
171
♩ = 140


173
5
3:2
p
175
7:5
177
179
7:5


181
6:5
7:5
183
6:5
5
7
184
5:4
185
♩ = 110
5:3
5:3
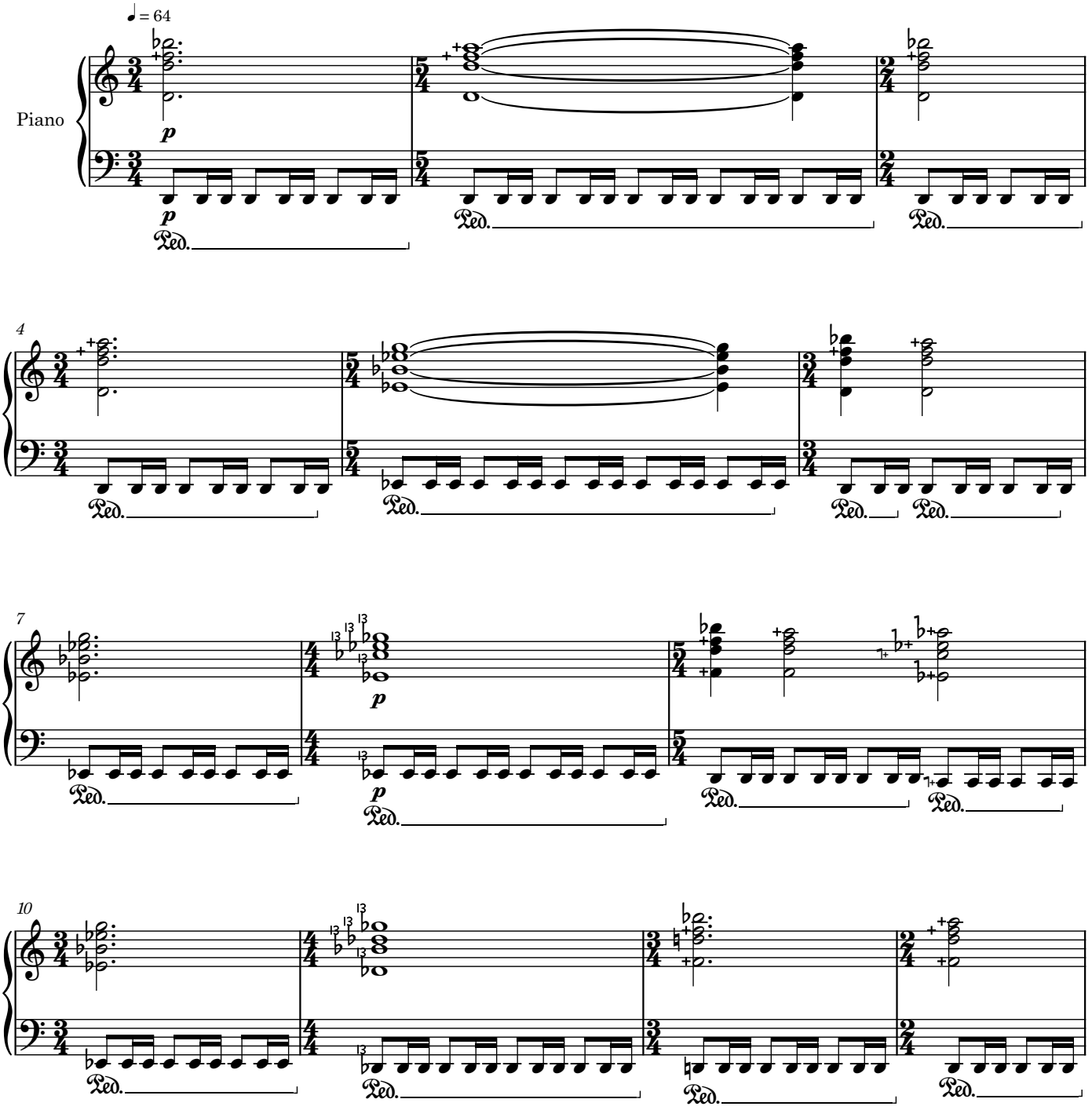

186
5
5
5:3
5:3
188
7:5
5:3
5:3
5:3
191
5
5:3
5:3
193
7:5
7


195
196
197
198
rit.
= 80
200
= 140
202
mp
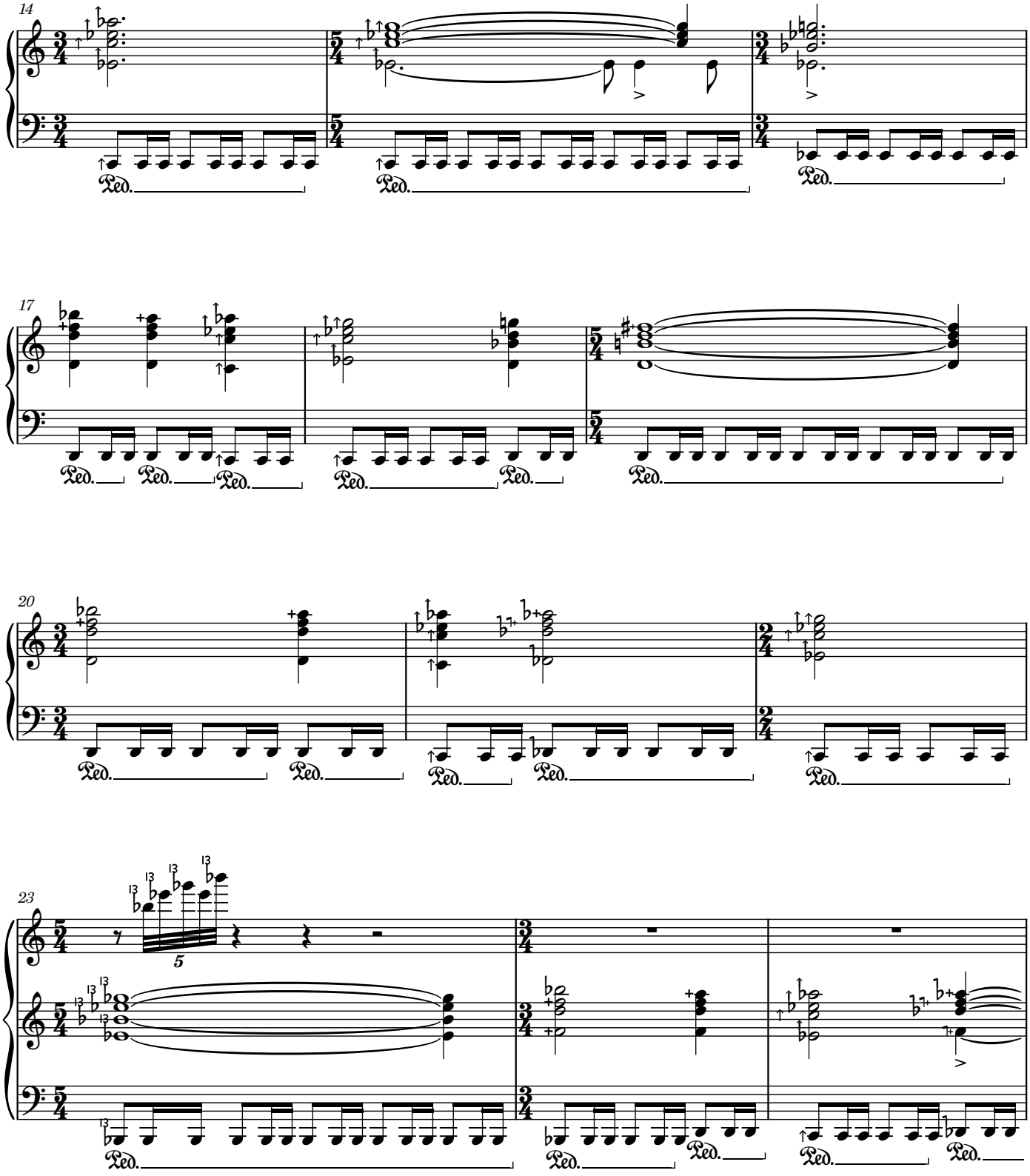

205
mf
f
ff
fff
p
208
p
p
11
209
p
3
13
210
23
f
pp
20
f
pp
pp
f
Oct. 21, 2016 - July 12, 2017
Germantown. NY
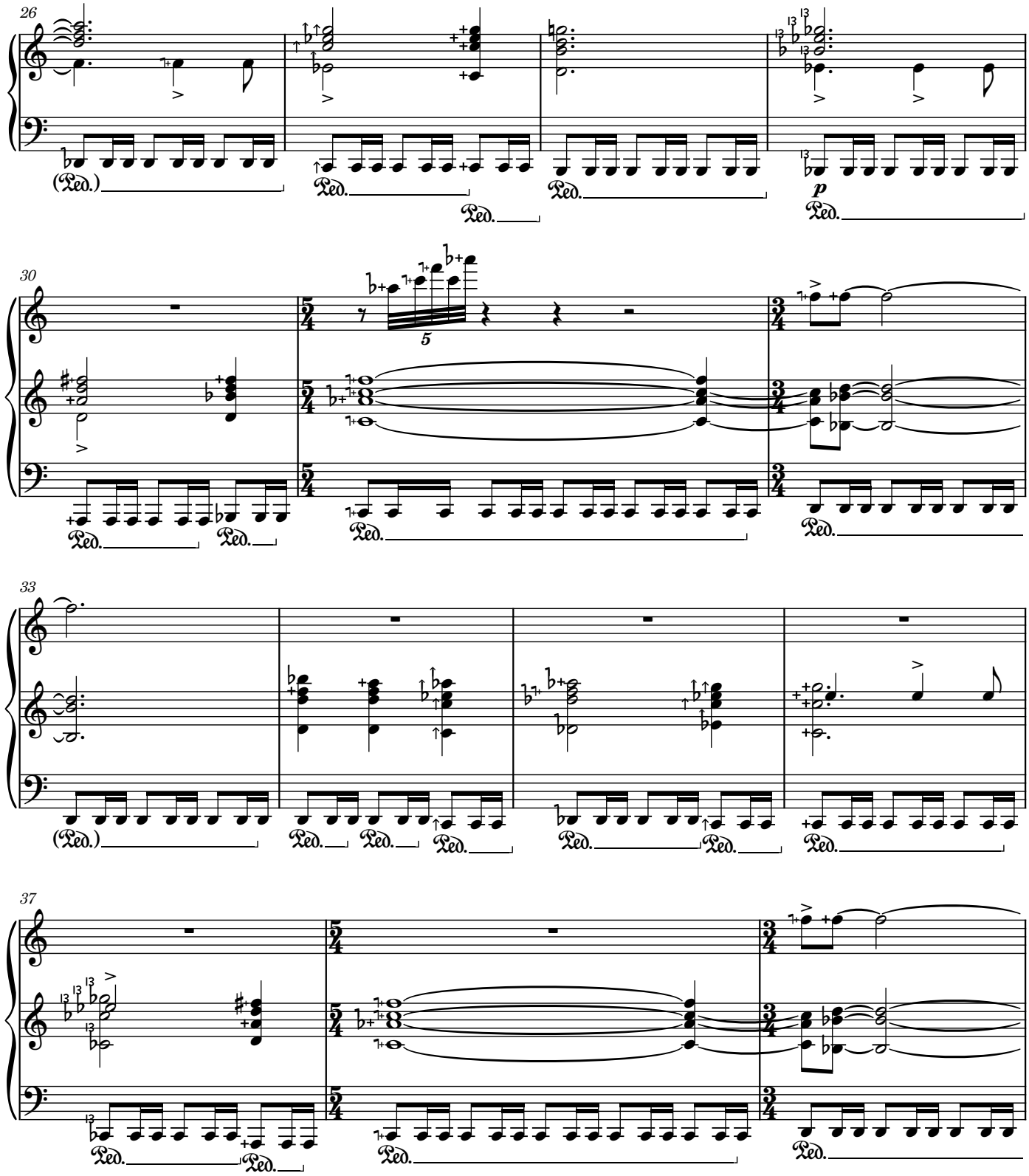
Dark Forces Signify

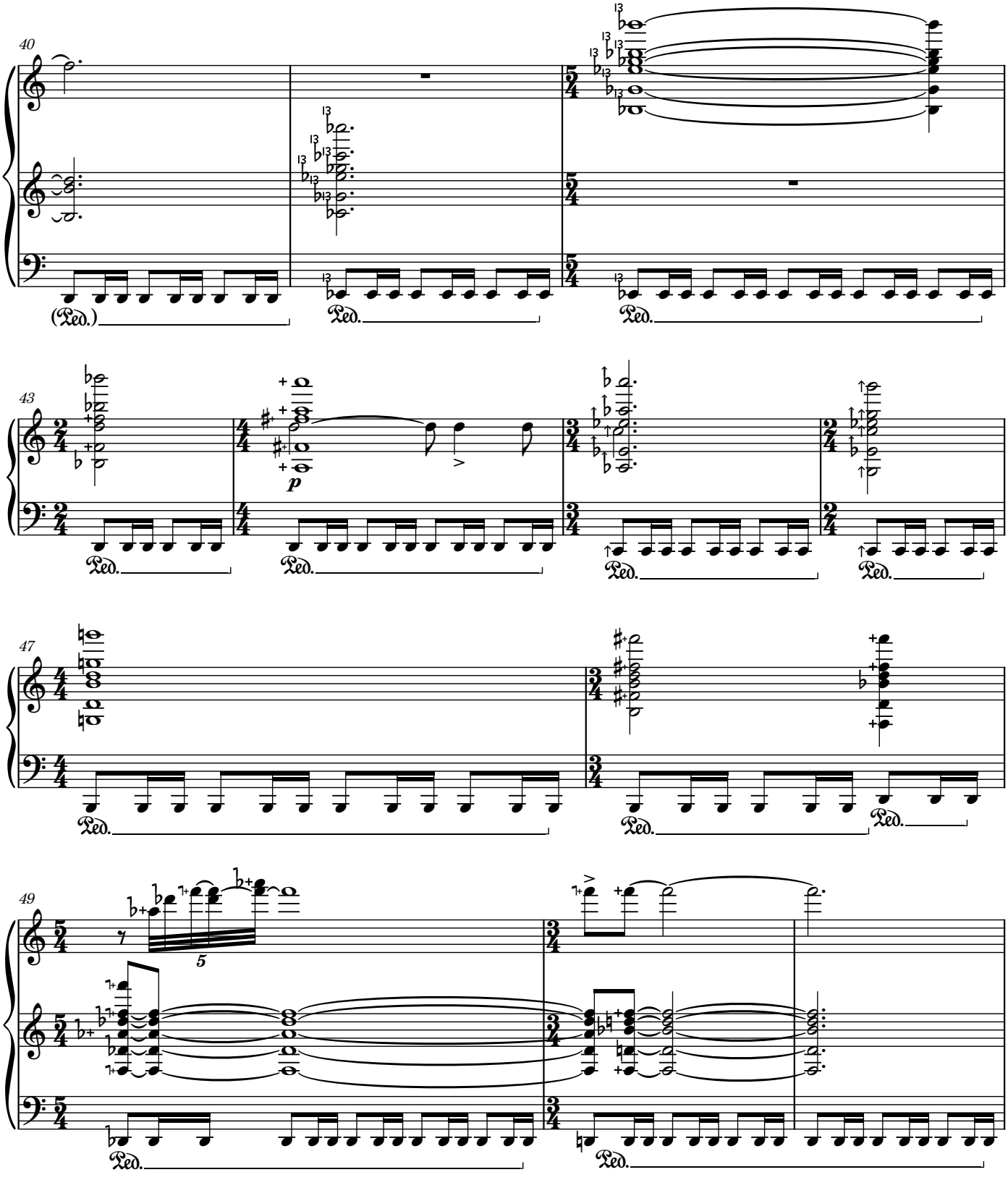
Kyle Gann
2016
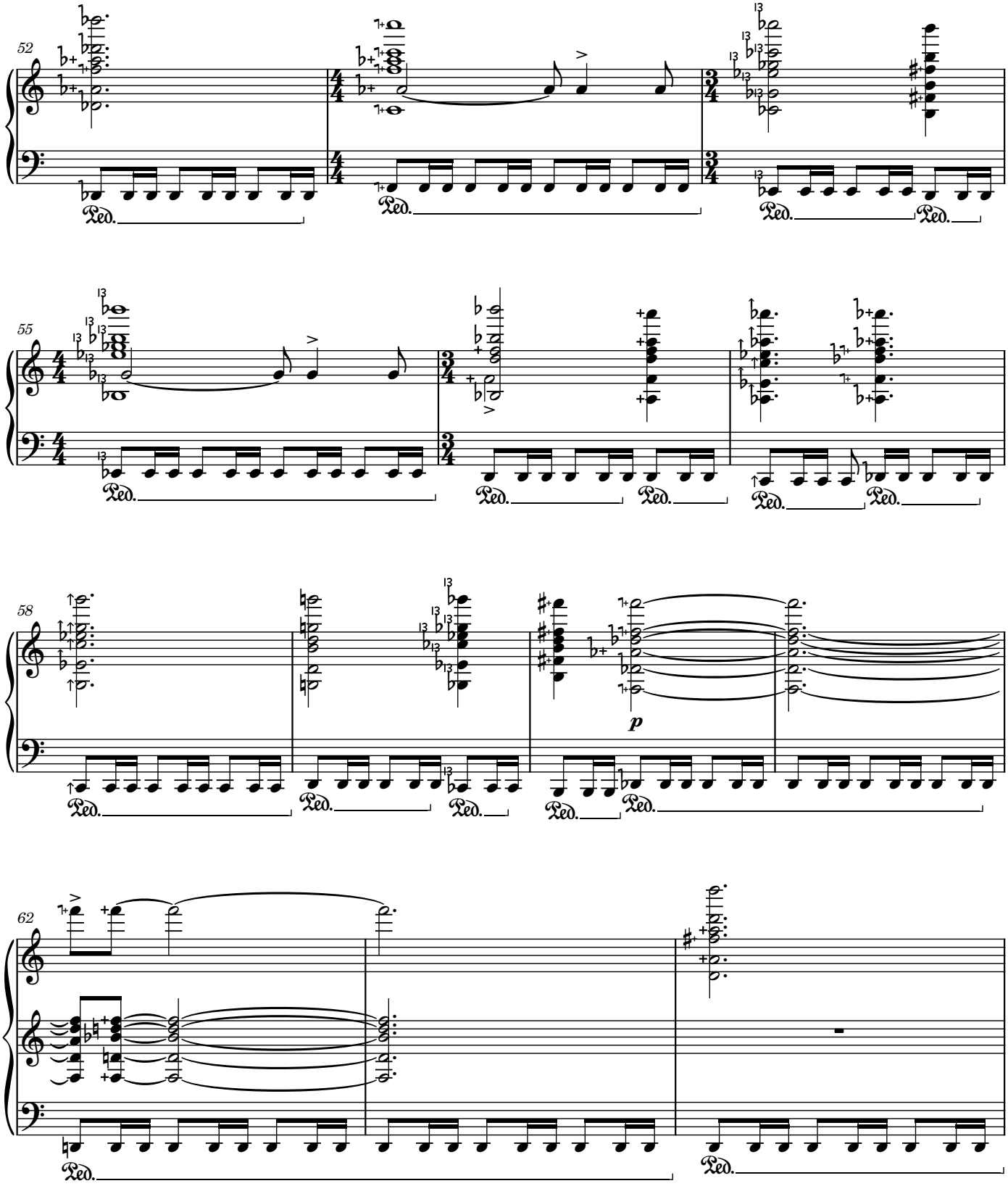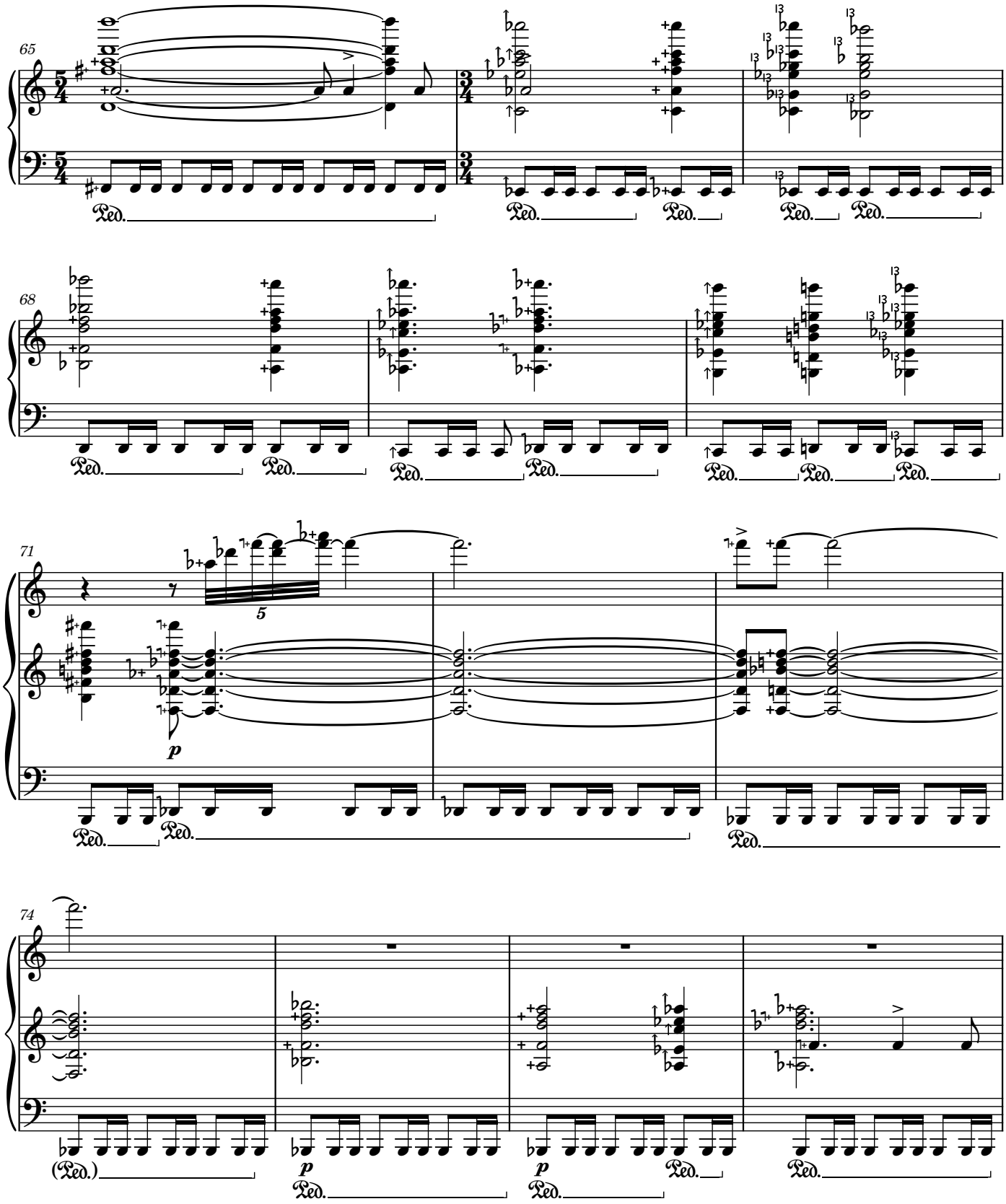


© 2016 Smith Grabholz Music

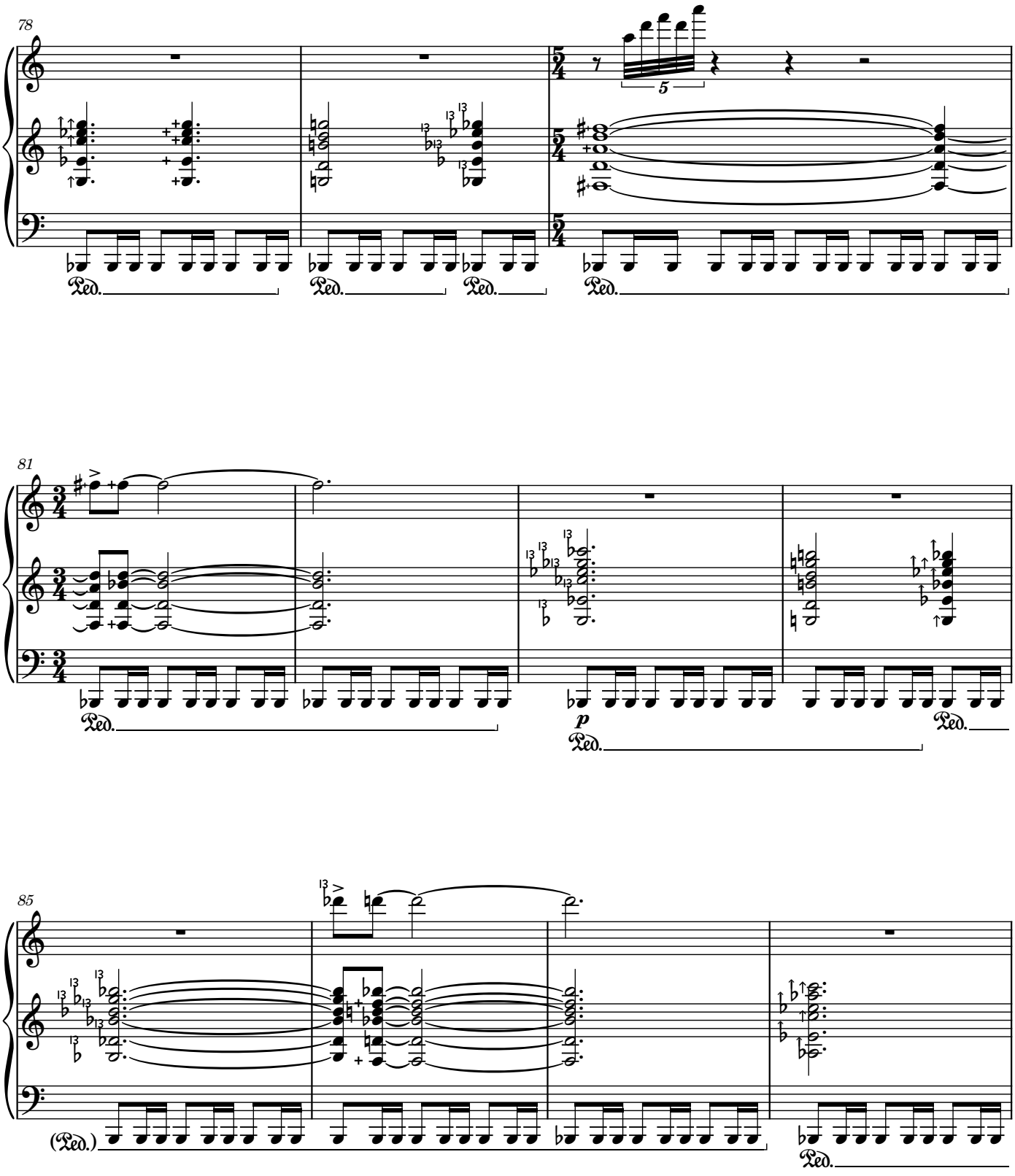

14
17
20
23

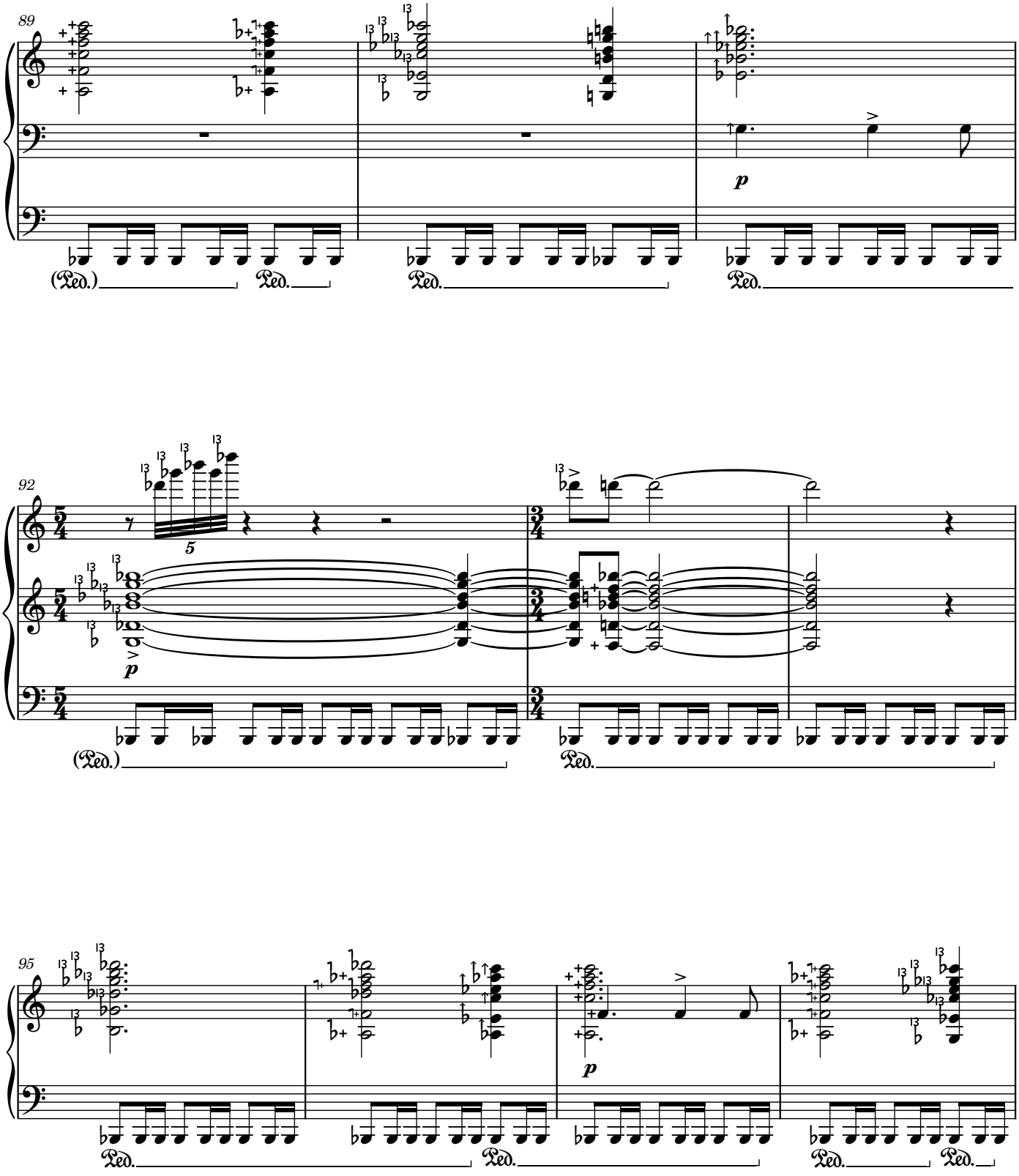

26
(Ped.)
Ped.
Ped.
Ped.
p
Ped.
30
5
Ped.
Ped.
Ped.
Ped.
33
(Ped.)
Ped.
Ped.
Ped.
Ped.
Ped.
37
Ped.
Ped.
Ped.
Ped.
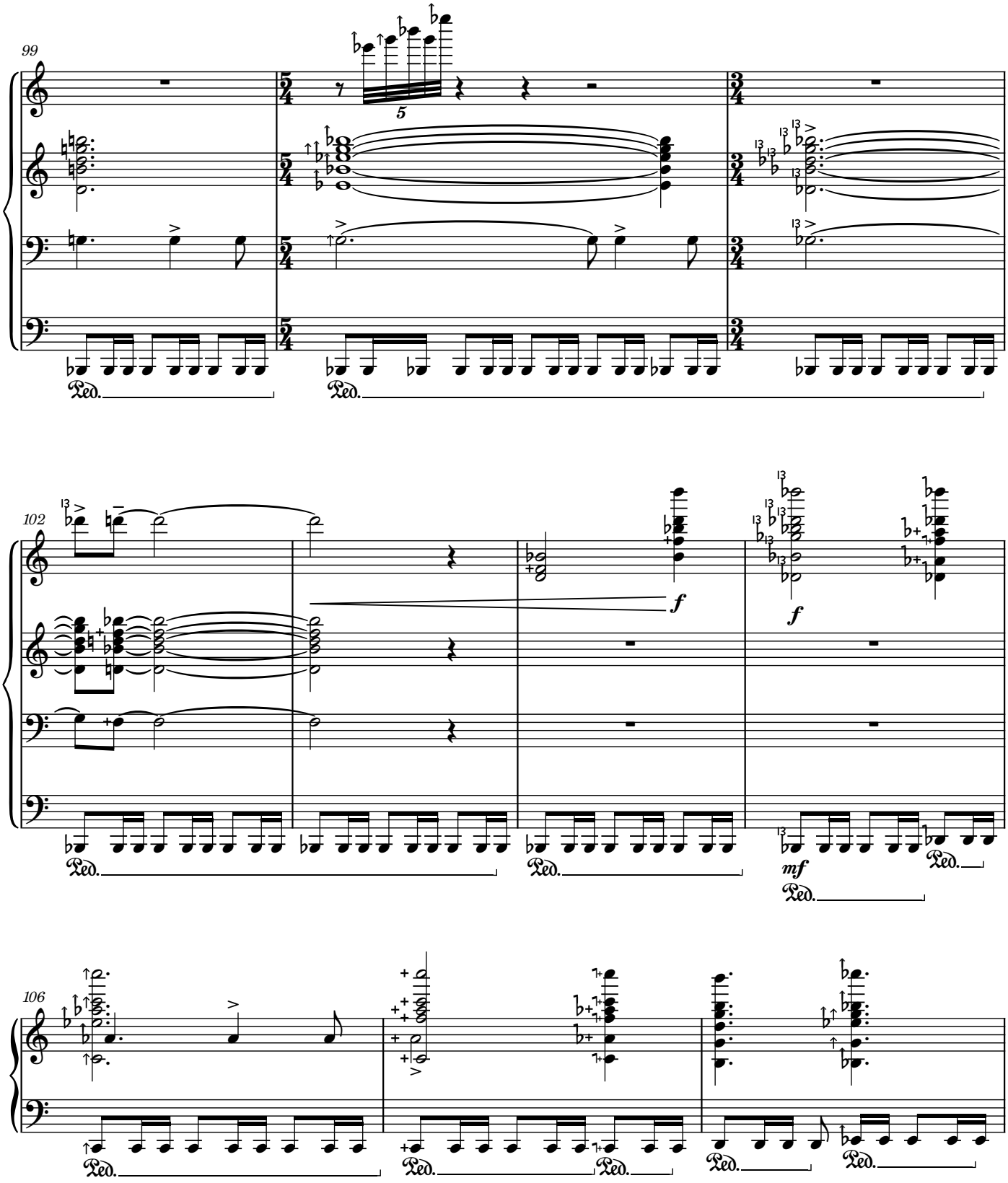

40
(Ped.)
Ped.
Ped.
43
p
Ped.
Ped.
Ped.
Ped.
47
Ped.
Ped.
Ped.
49
5
Ped.
Ped.
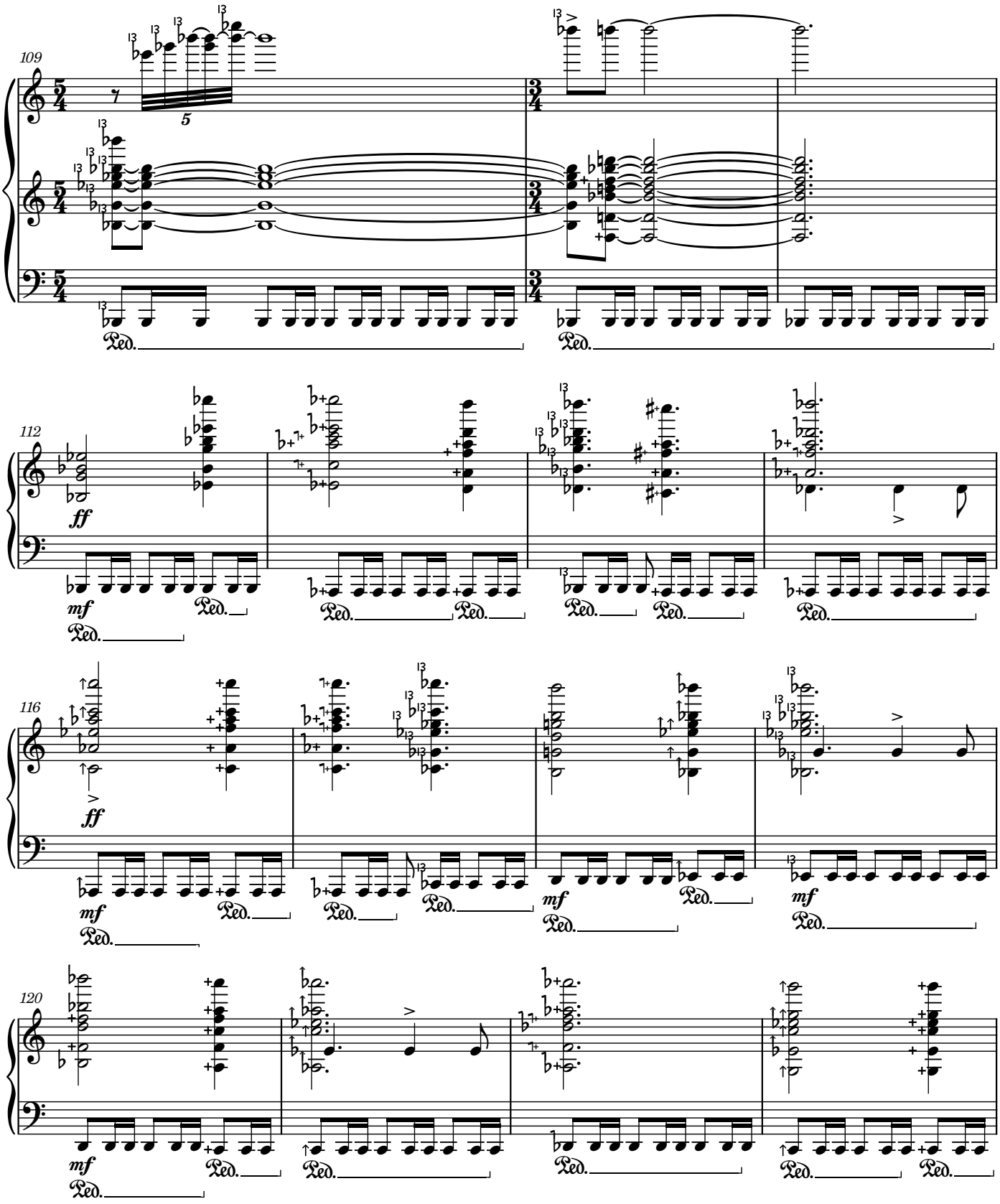

52
55
58
62
p
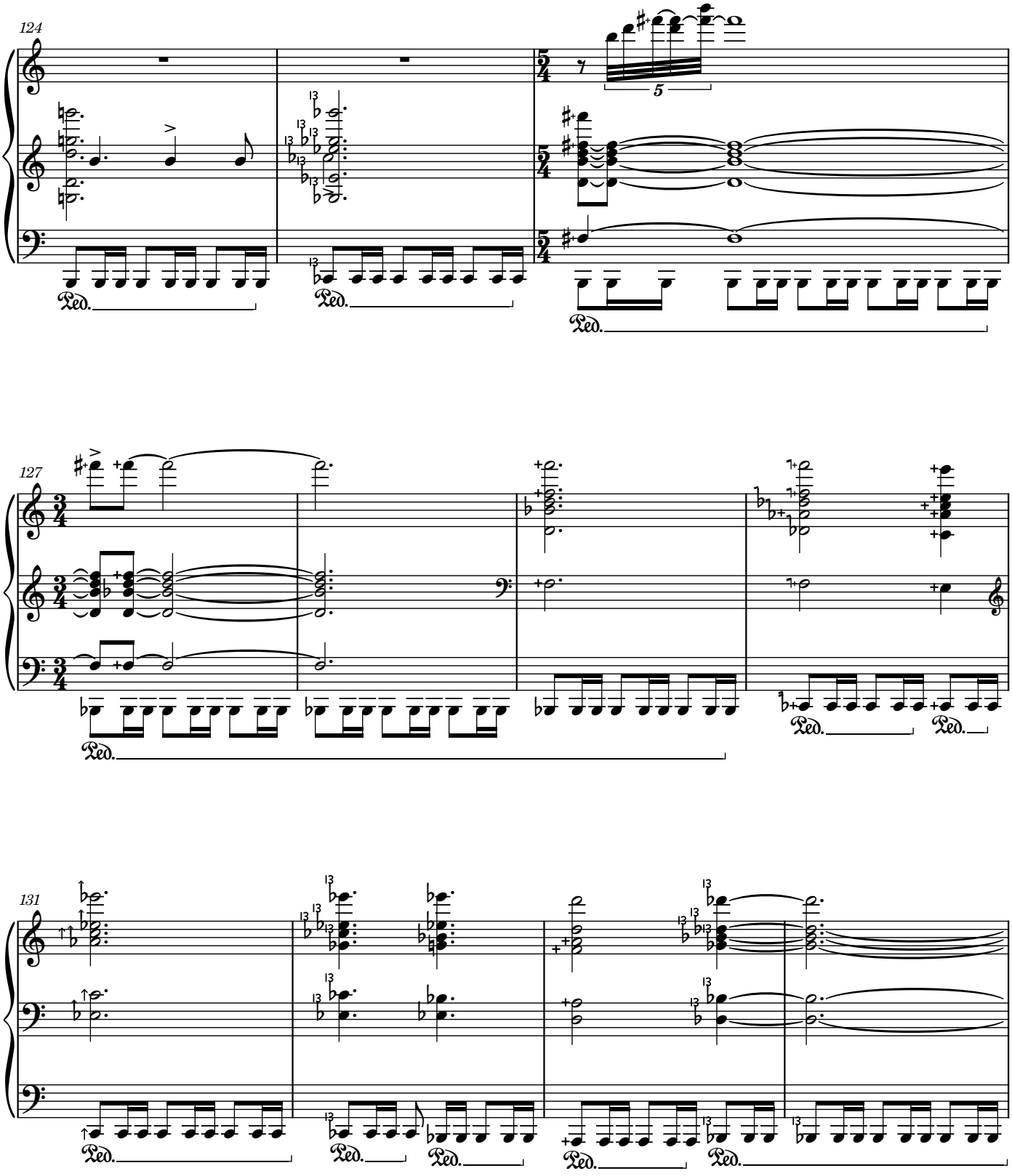

65
68
71
74
Ped.
(Ped.)
p
5
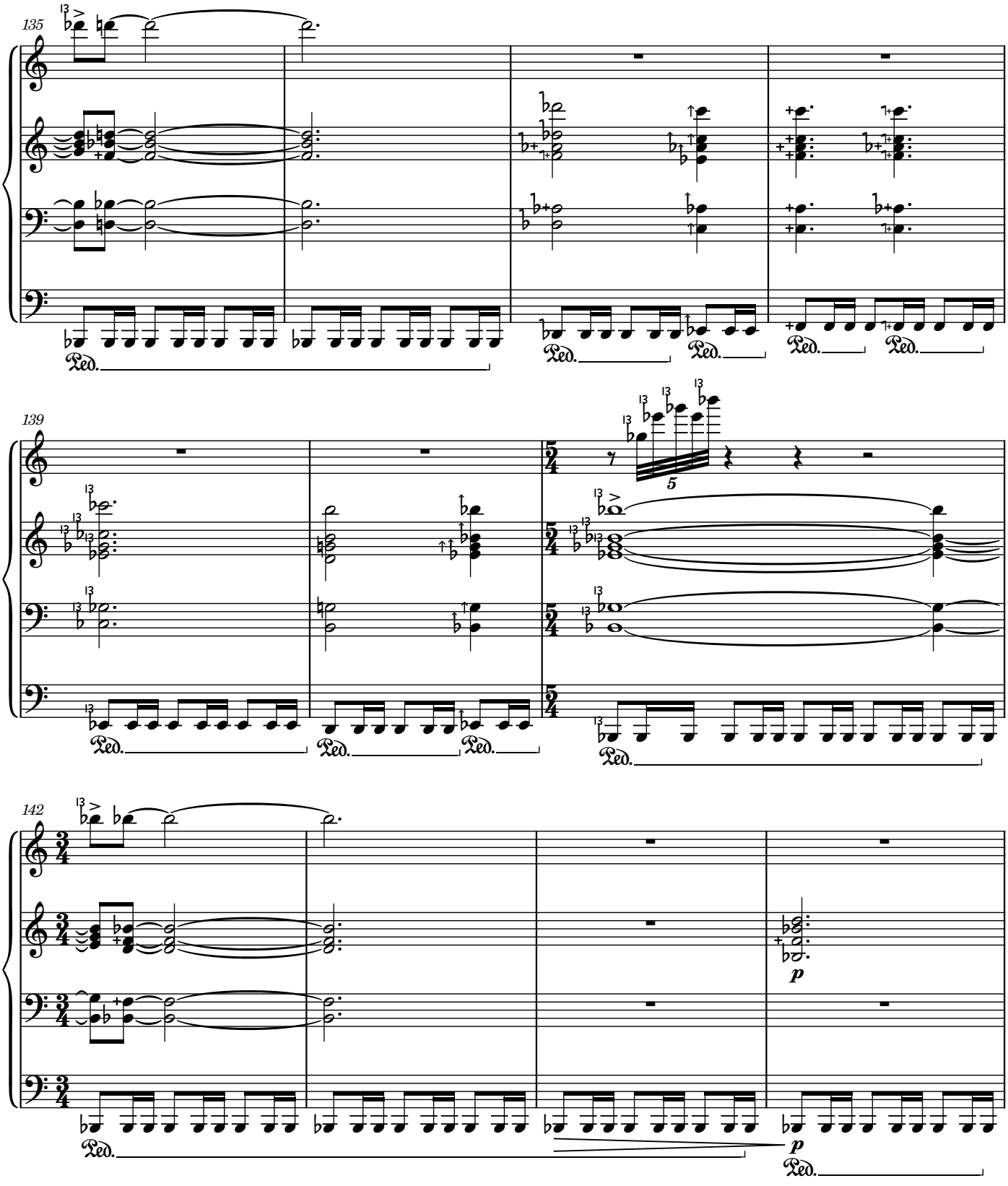

78
5
Ped.
81
p
85
(Ped.)

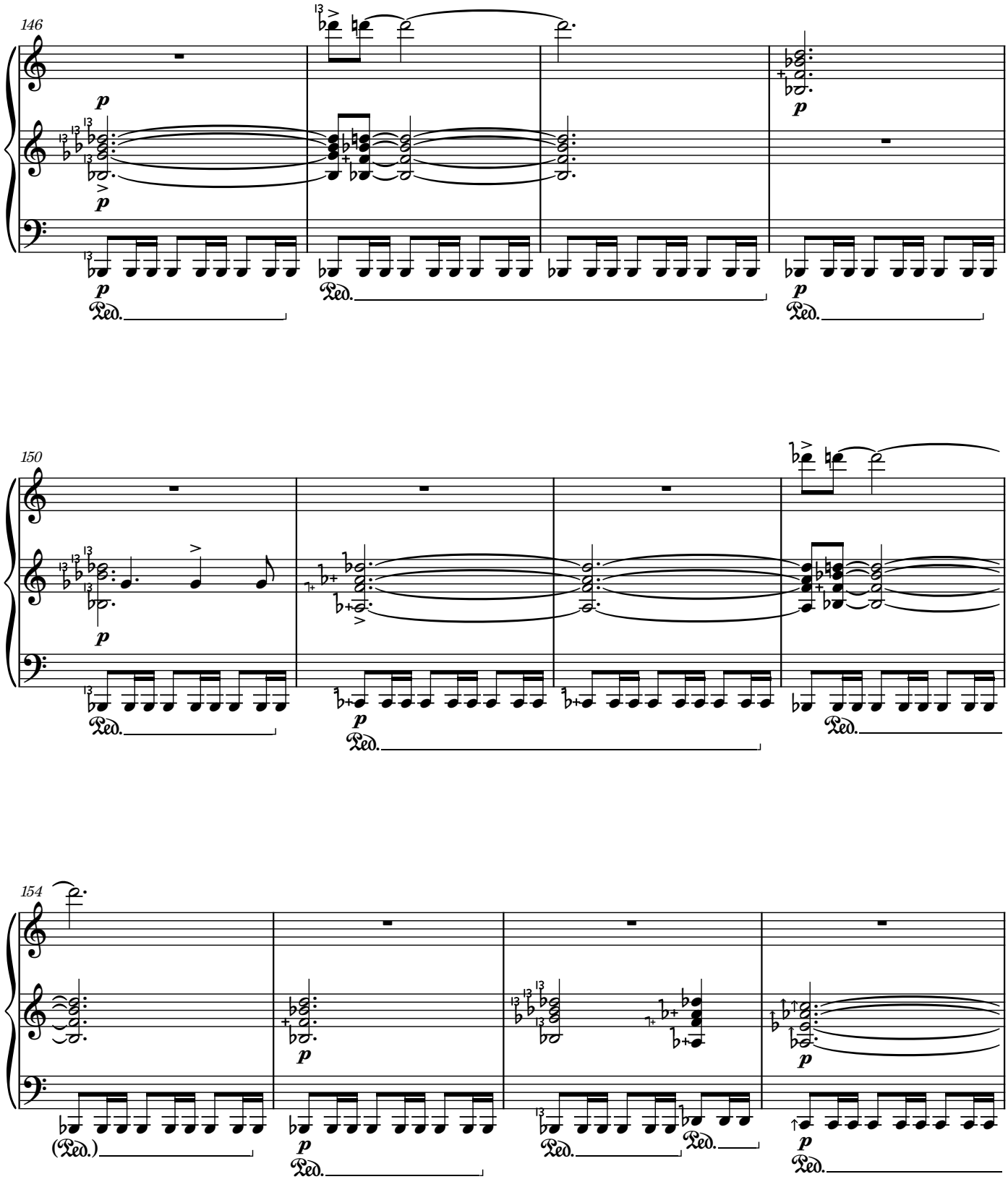

89
92
95
p
5
(Ped.)
Ped.

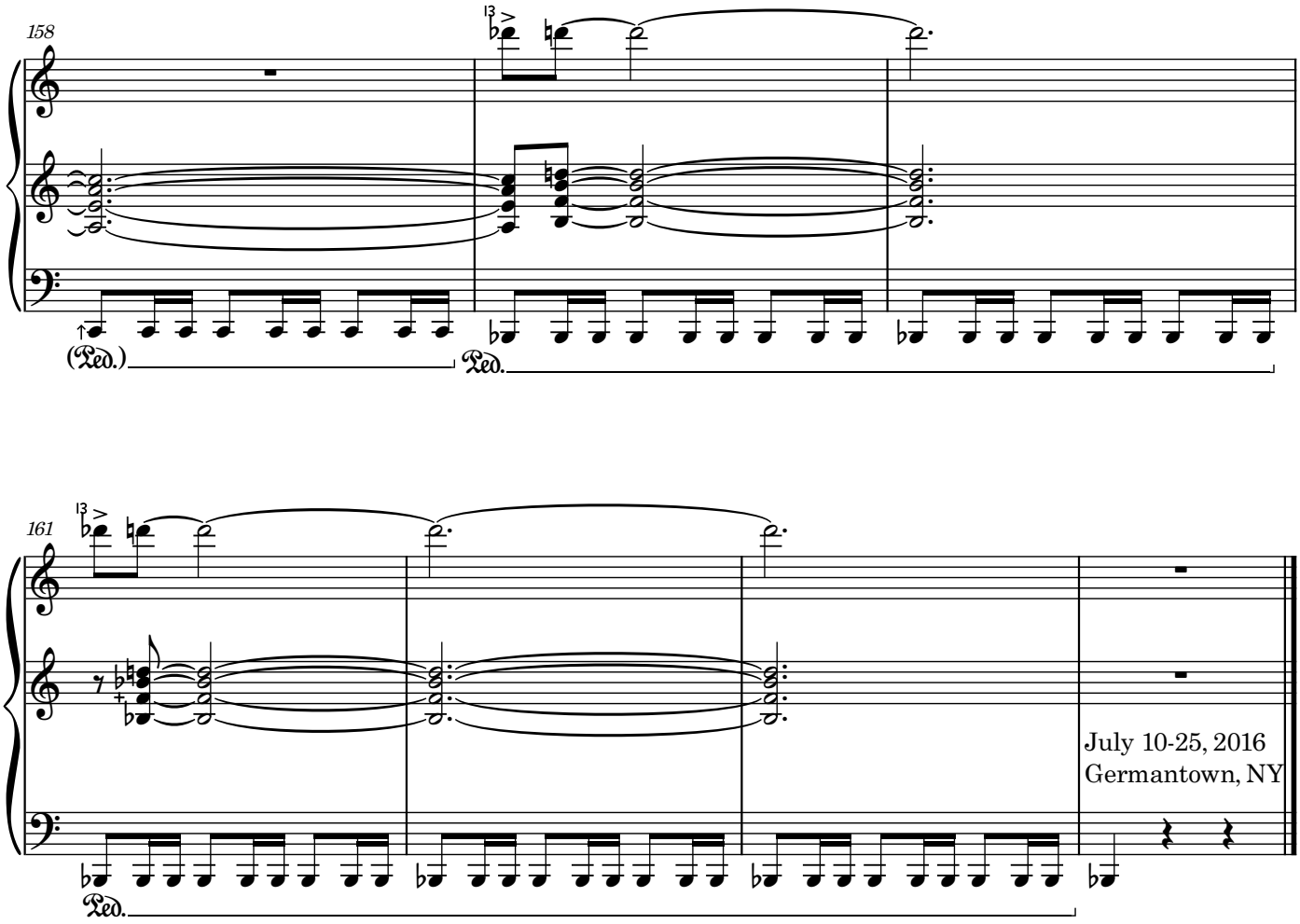

99
5
Ped.
Ped.
102
f
f
mf
Ped.
Ped.
Ped.
106
Ped.
Ped.
Ped.
Ped.
Ped.


109
112
ff
mf
116
ff
mf
120
mf


124
127
131
Ped.

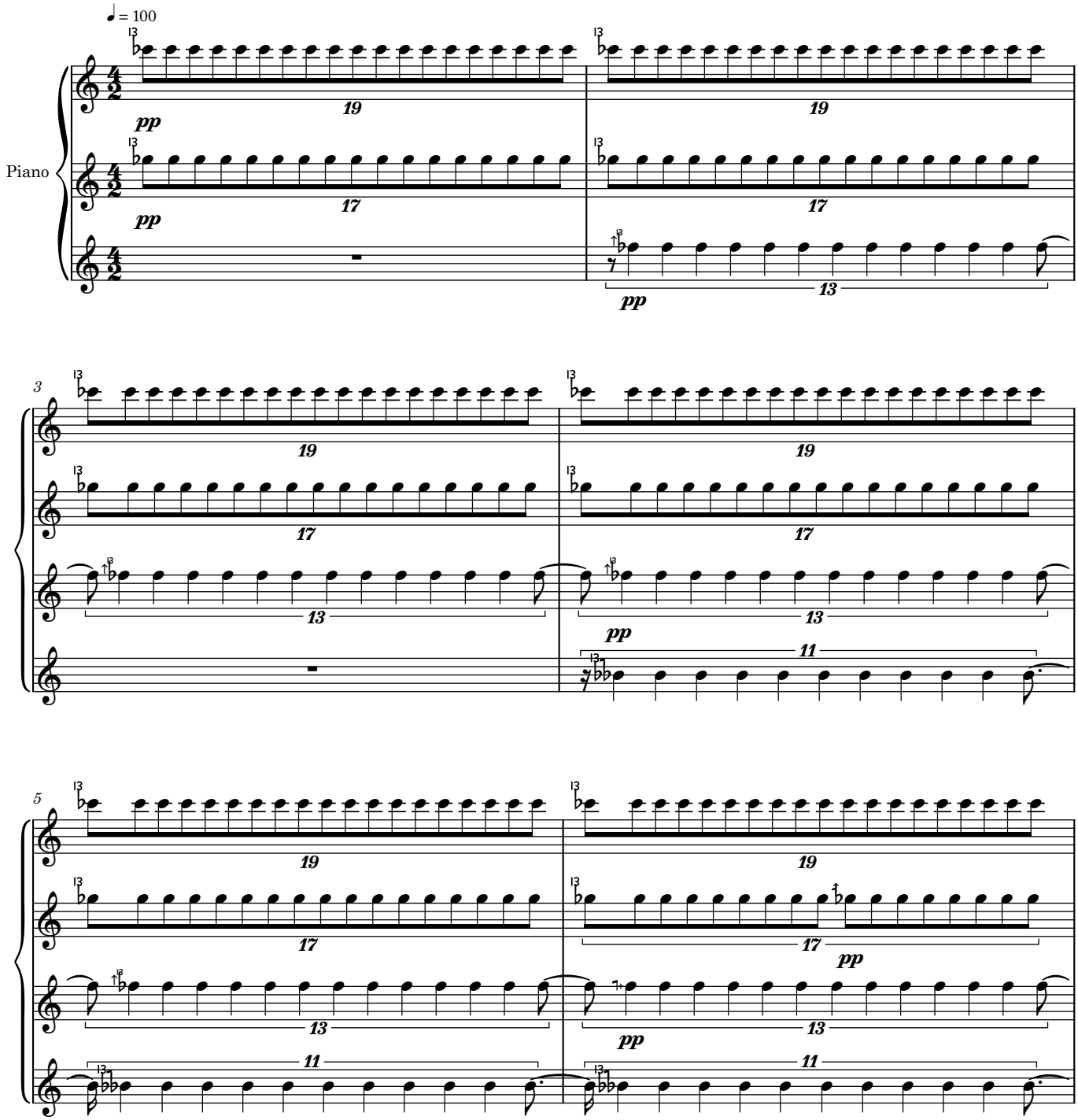

135
Ped.
Ped.
Ped.
Ped.
139
5
Ped.
Ped.
Ped.
Ped.
142
p
Ped.
p
Ped.

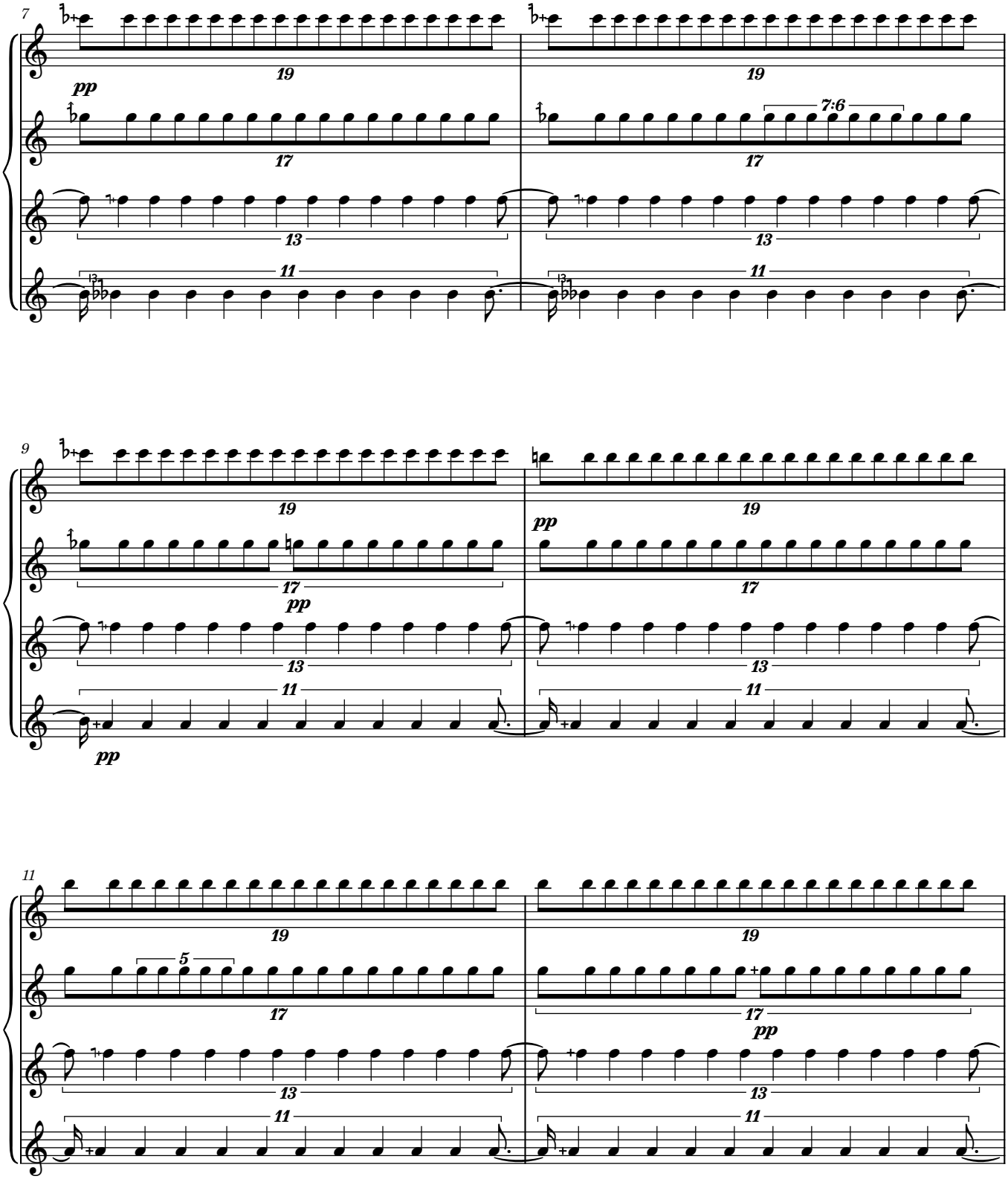

146
150
154
p
Ped.
(Ped.)
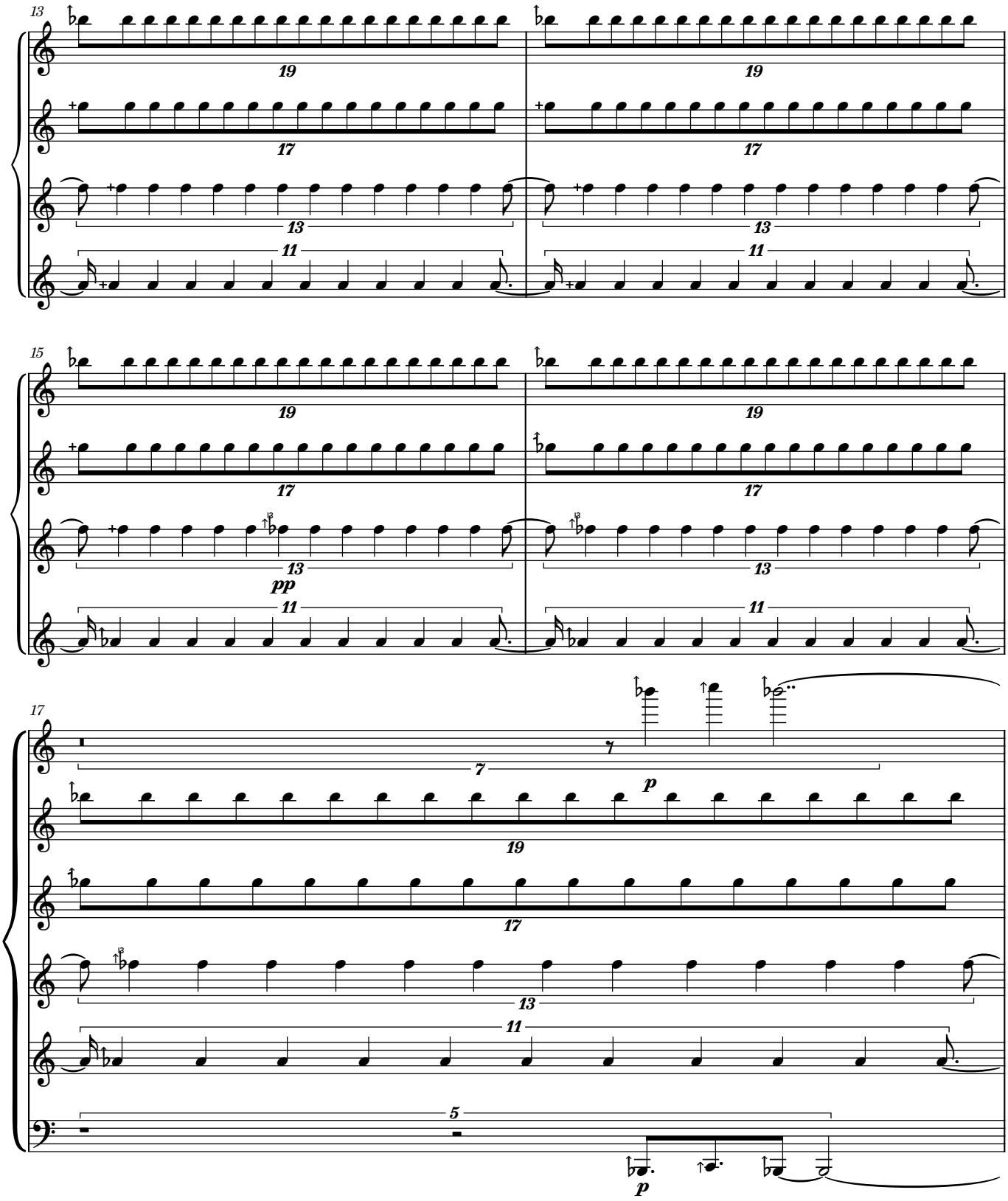

158
(Ped.)
Ped.
161
Ped.
July 10-25, 2016
Germantown, NY
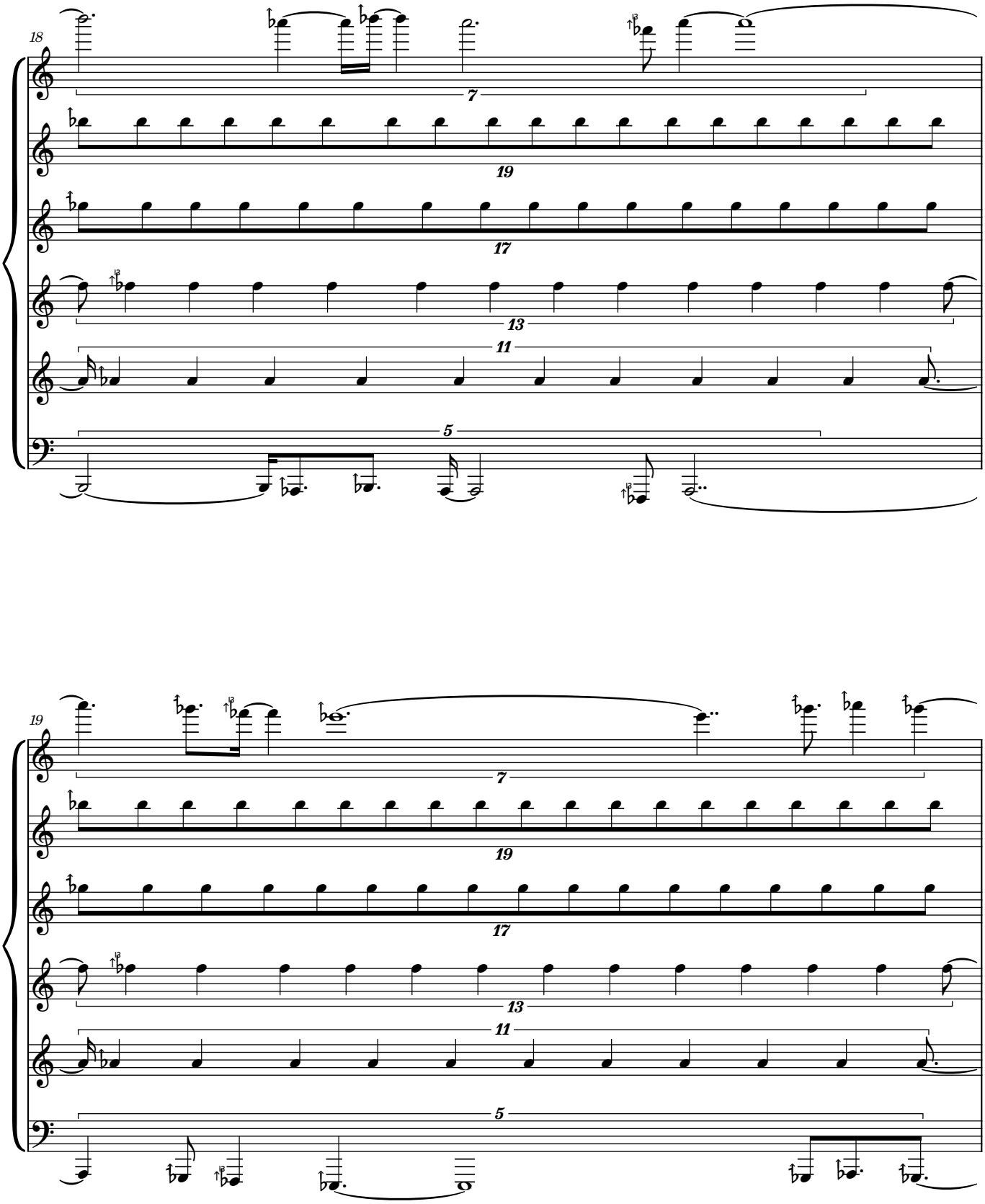
The Lessing Is Miracle

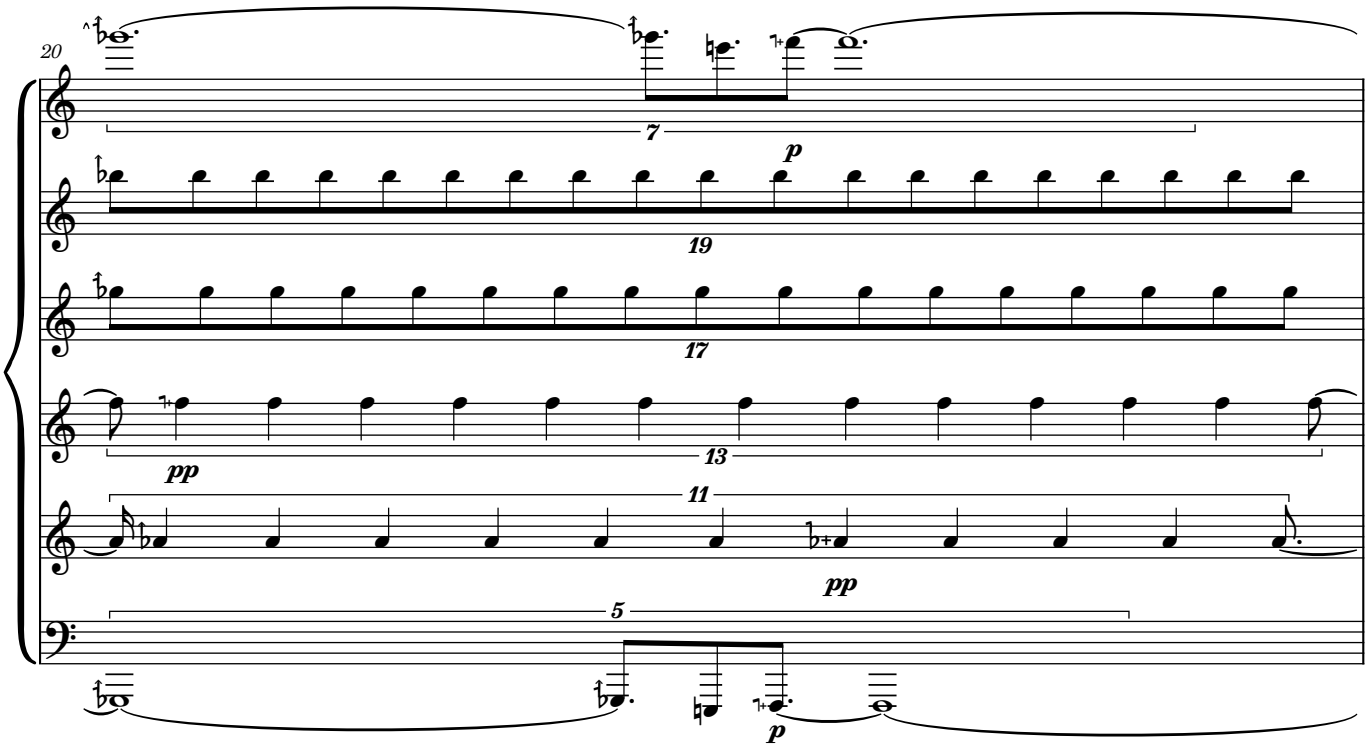
Kyle Gann
2015-16

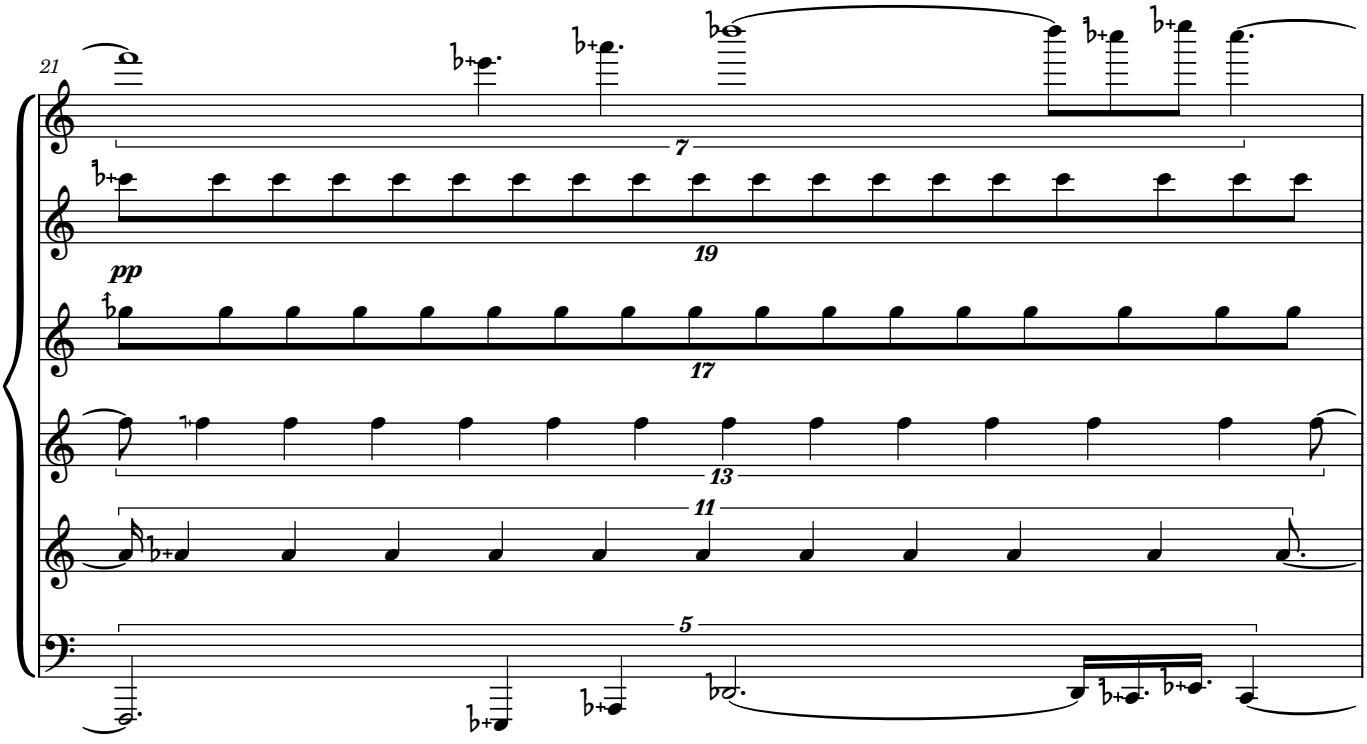


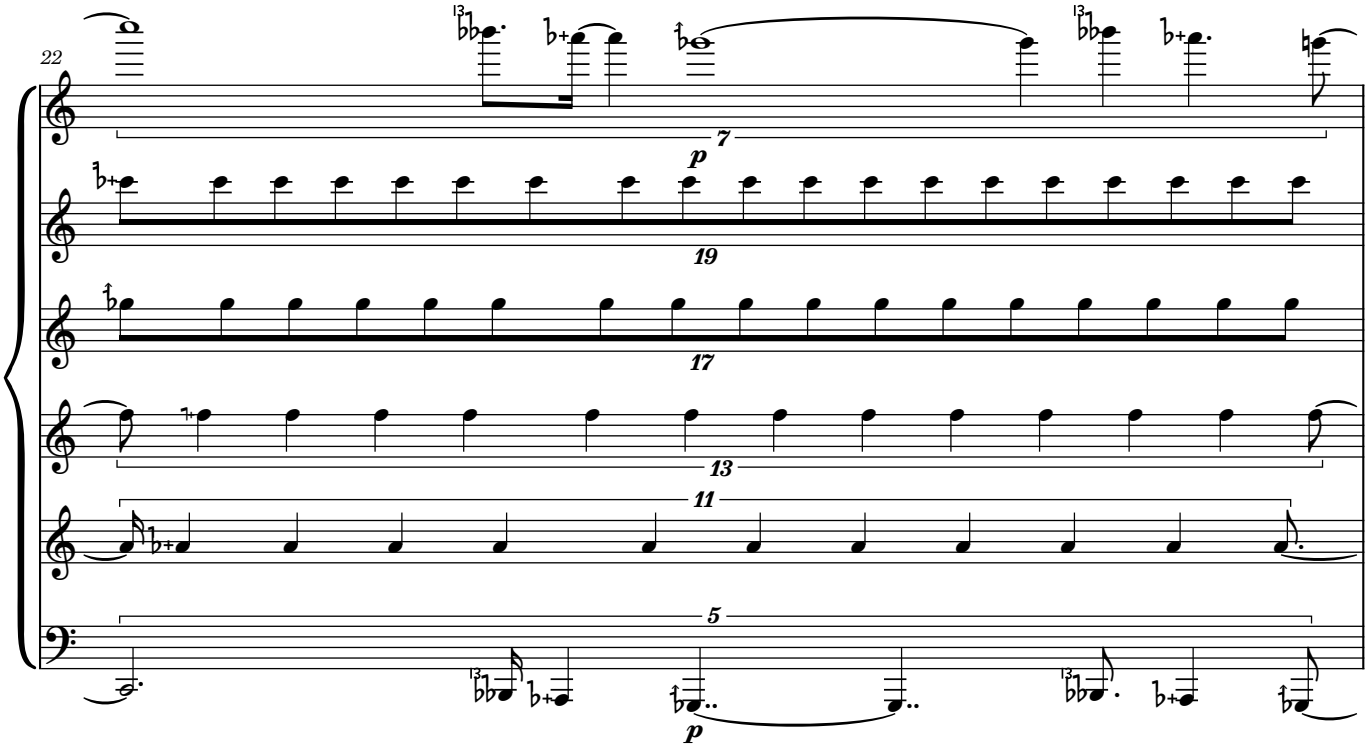

7
19
pp
17
7:6
13
11
9
19
17
pp
13
11
11
19
5
17
13
11

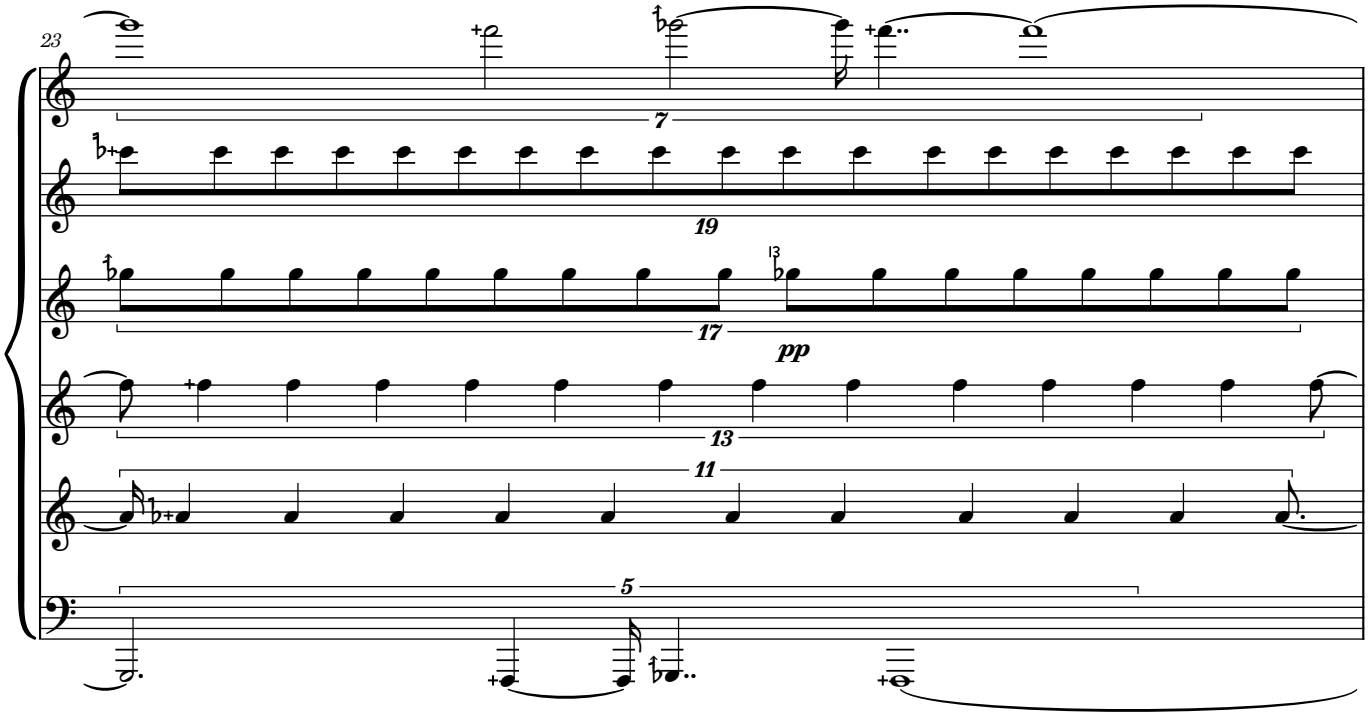

13
19
19
17
17
13
13
11
11
15
19
19
17
17
13
pp
13
11
11
17
7
7
p
19
17
13
11
5
p

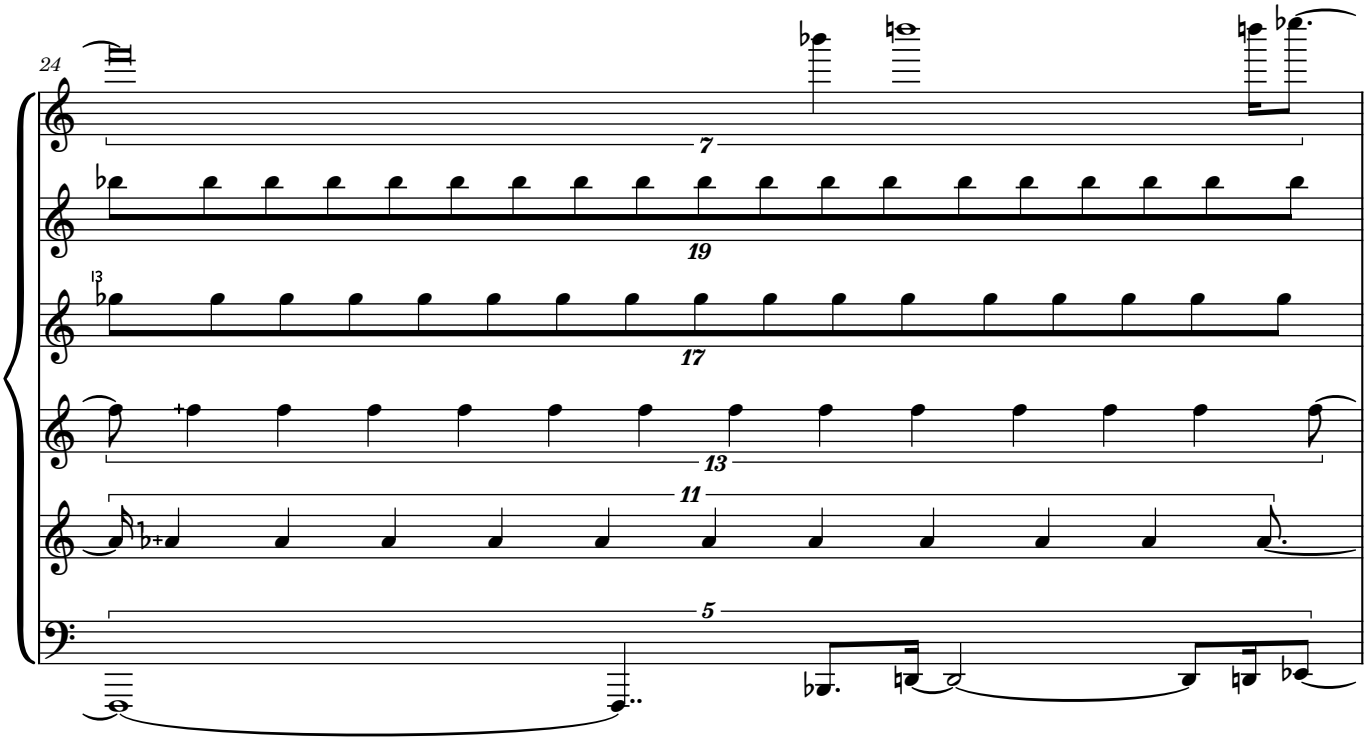

18
7
19
17
13
11
5
19
7
19
17
13
11
5

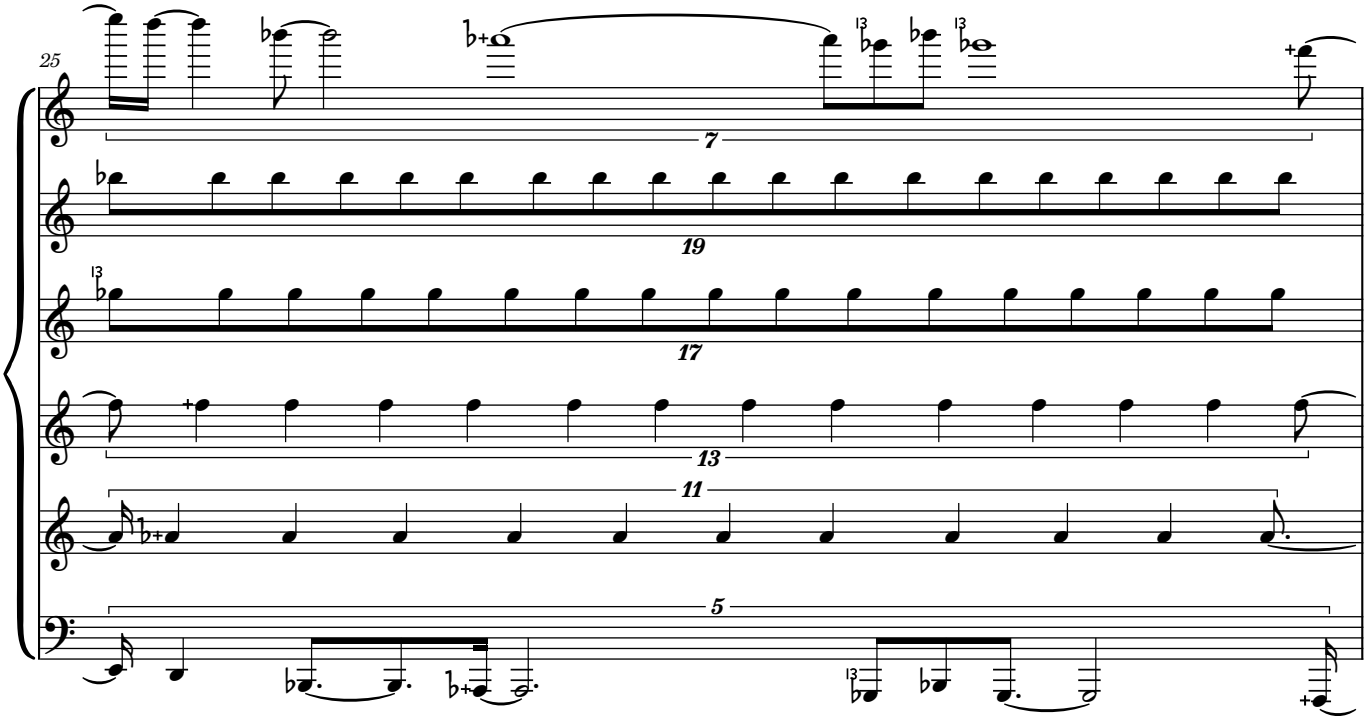

20
7
p
19
17
13
pp
11
pp
5
p

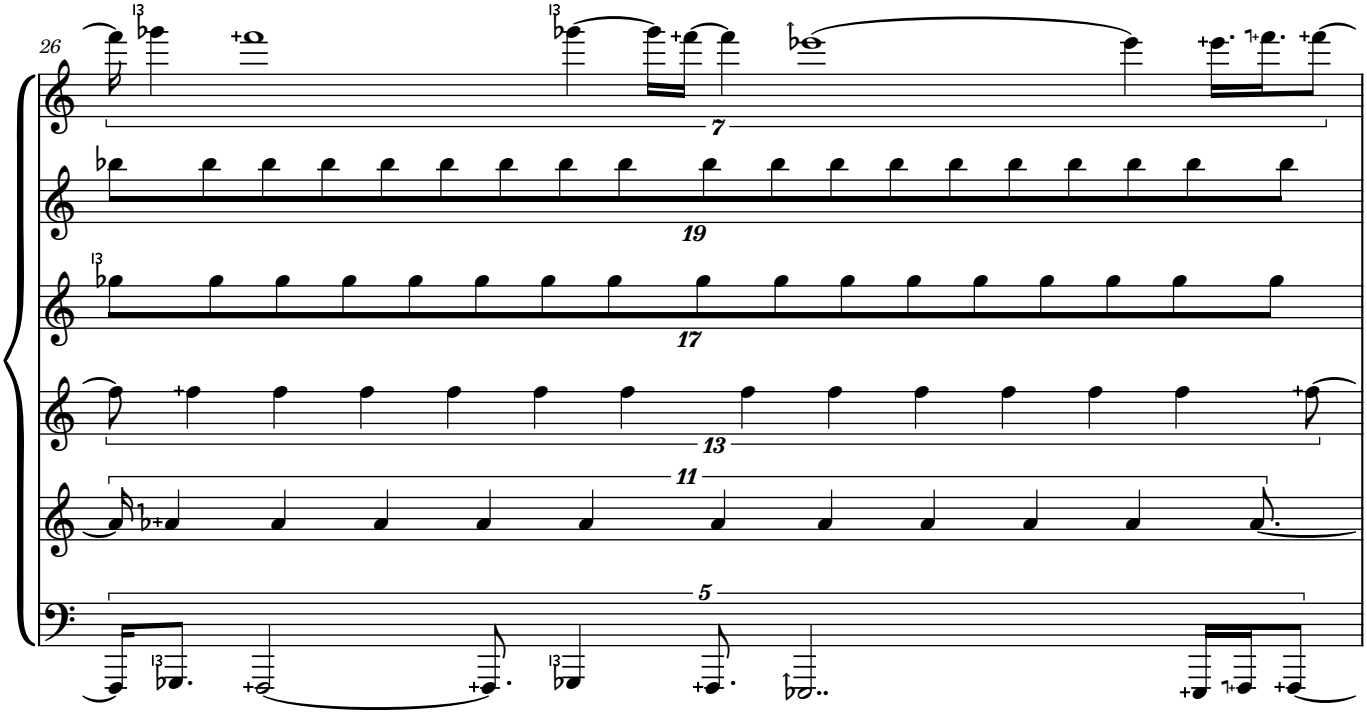

21
7
19
pp
17
13
11
5

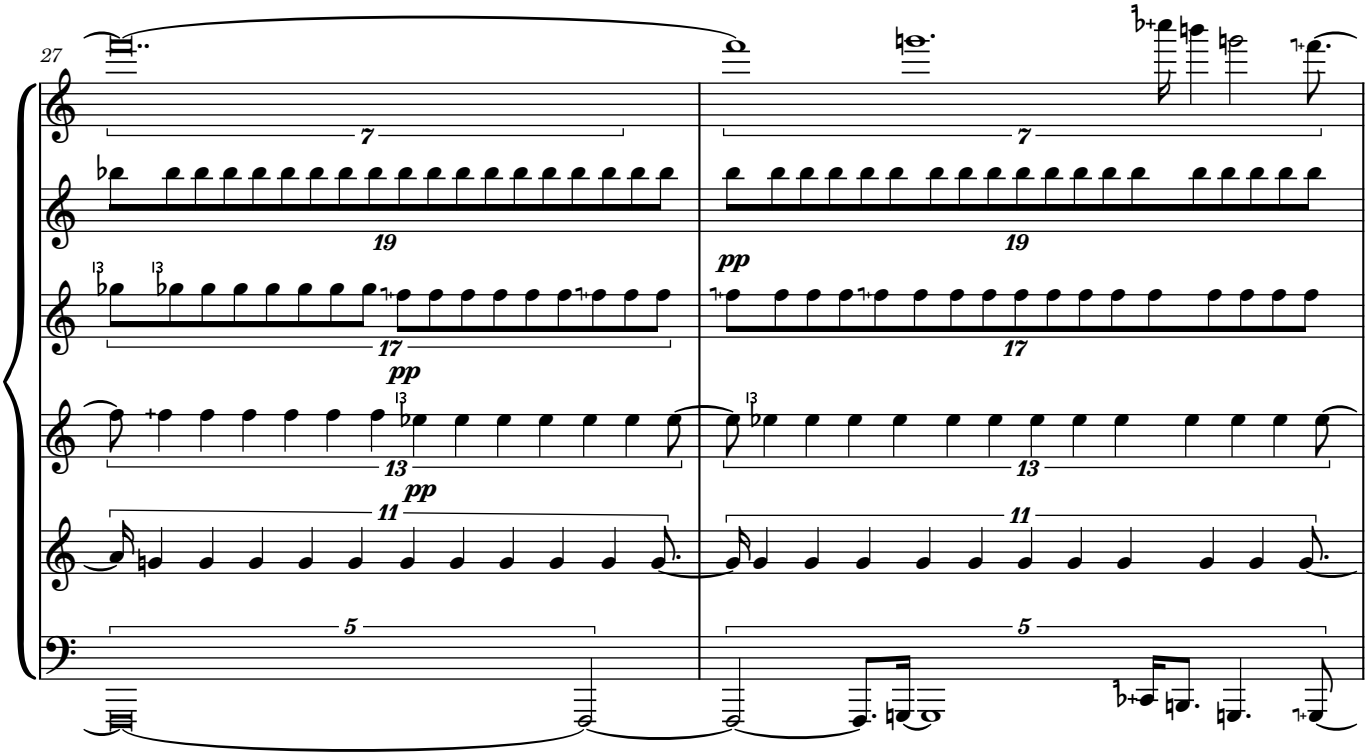

22
7
p
19
17
13
11
5
p
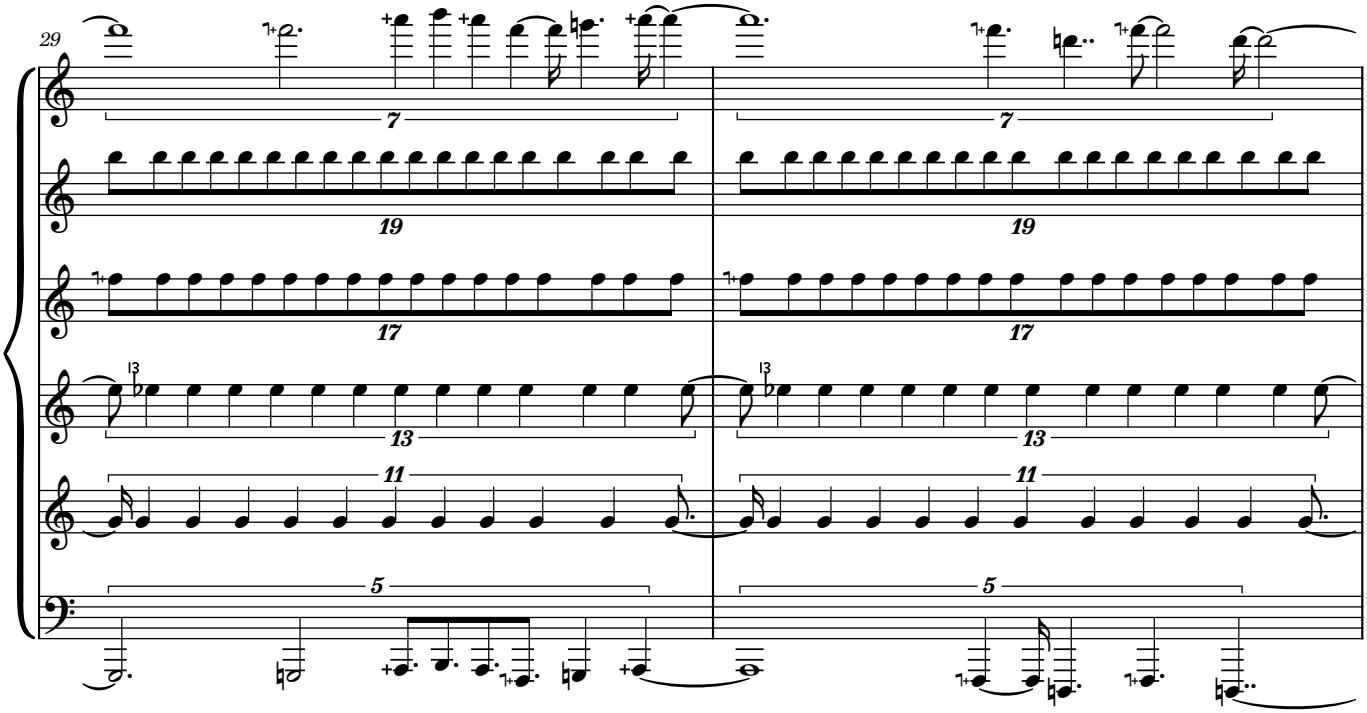

23
7
19
17
pp
13
11
5

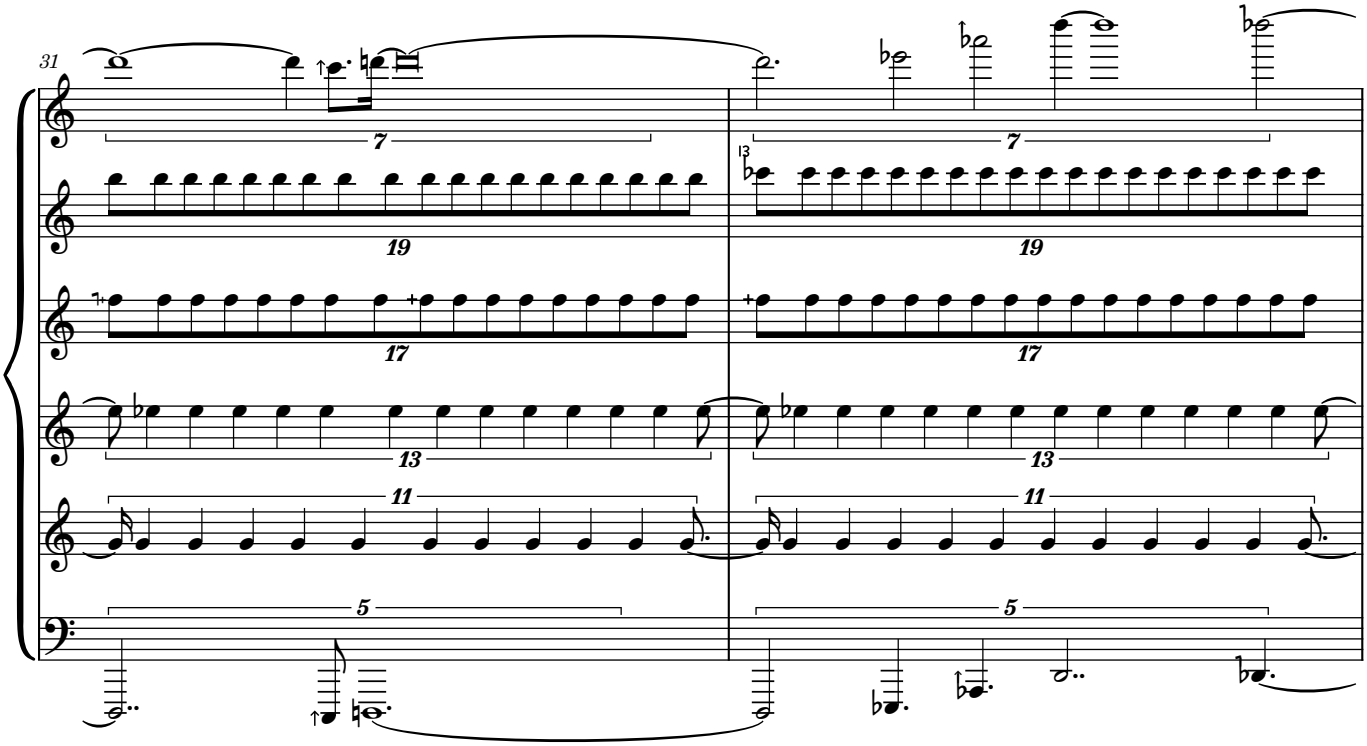

24
7
19
17
13
11
5
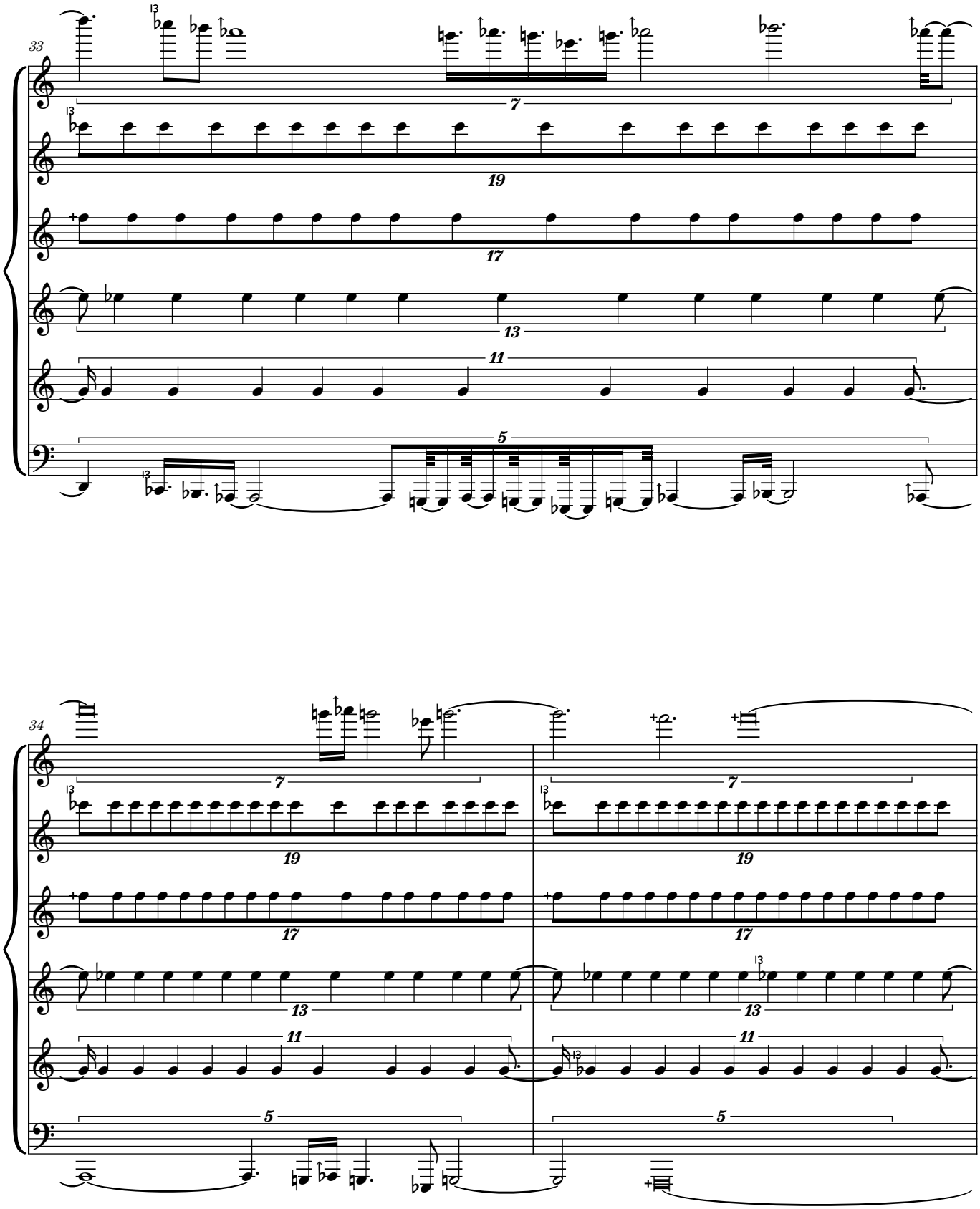

25
7
19
17
13
11
5

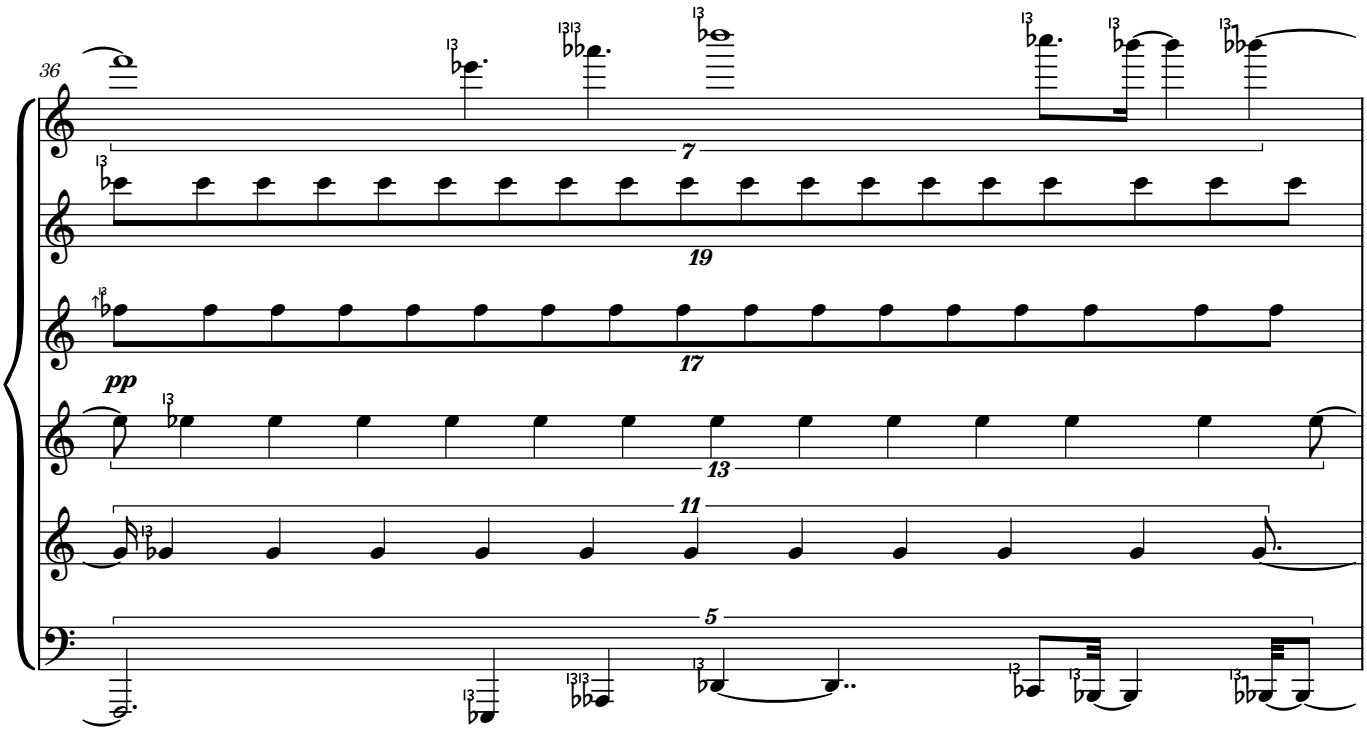

26
7
19
17
13
11
5
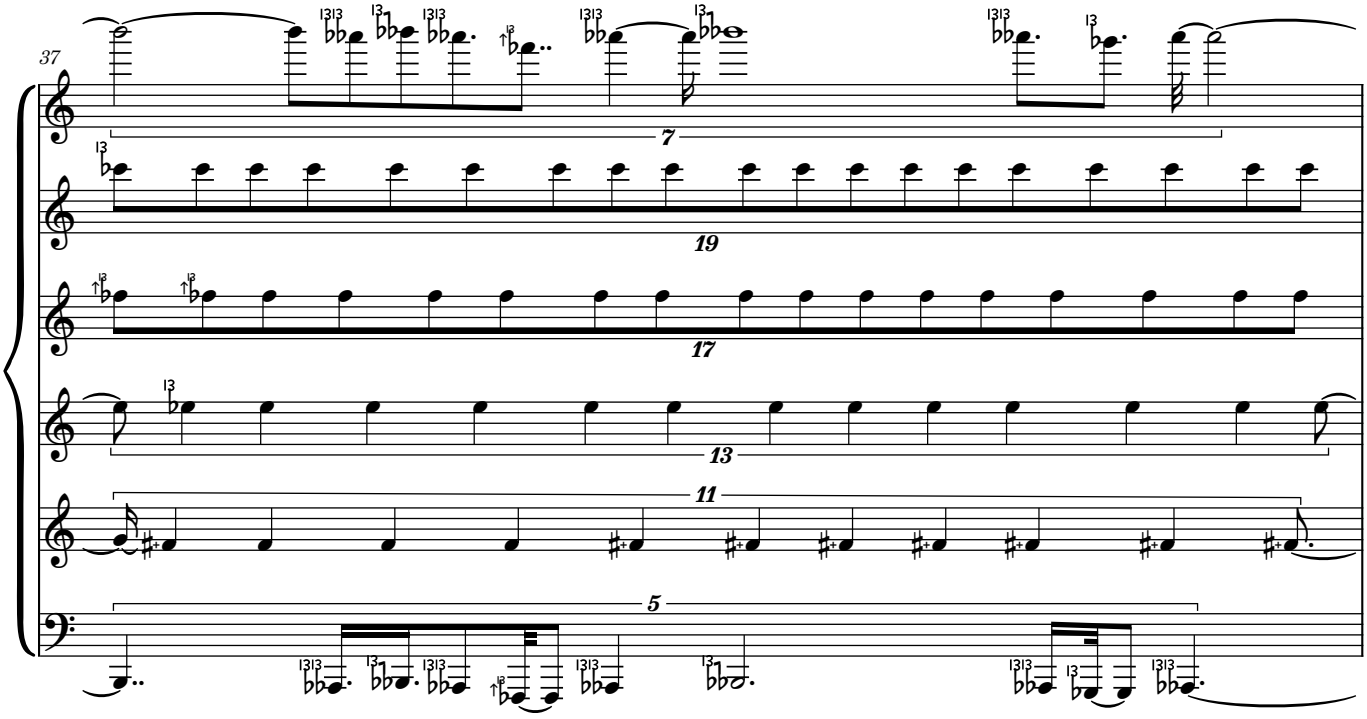

27
7
19
17
pp
13
11
5

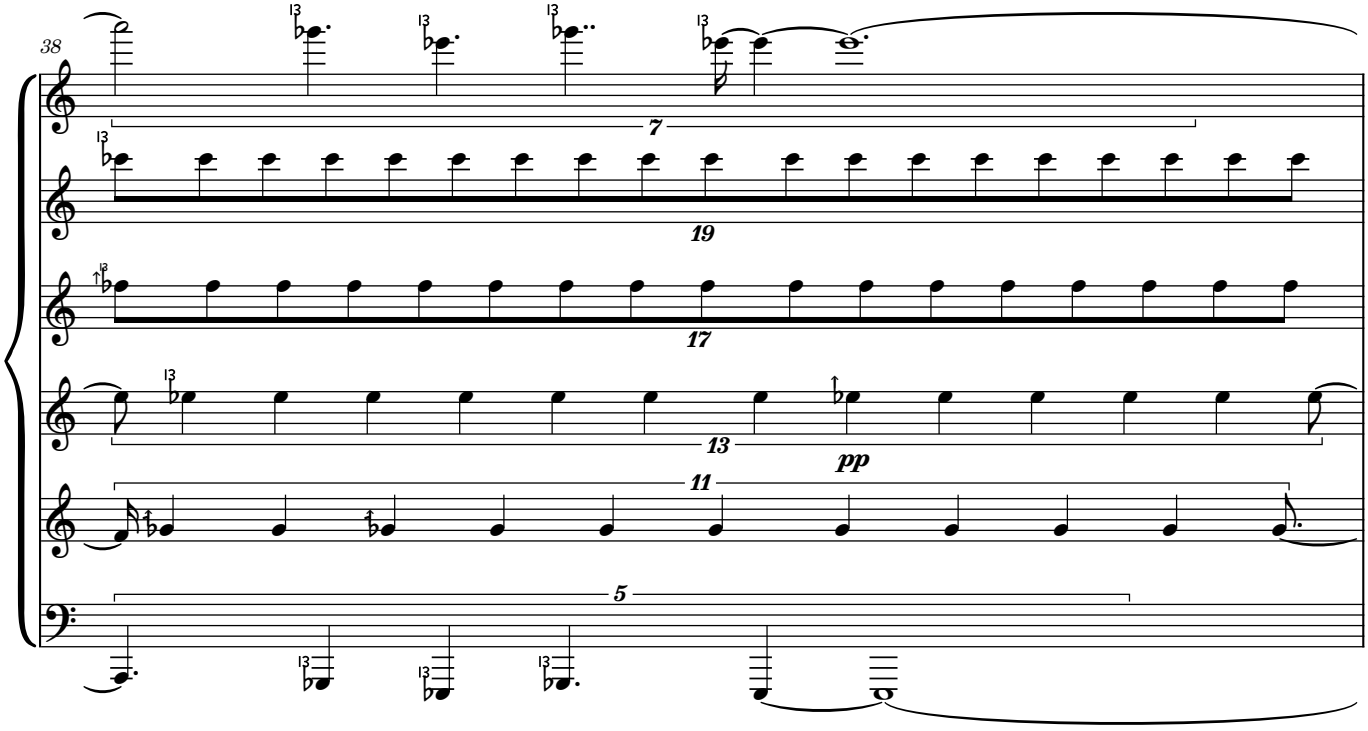

29
7
19
17
13
11
5

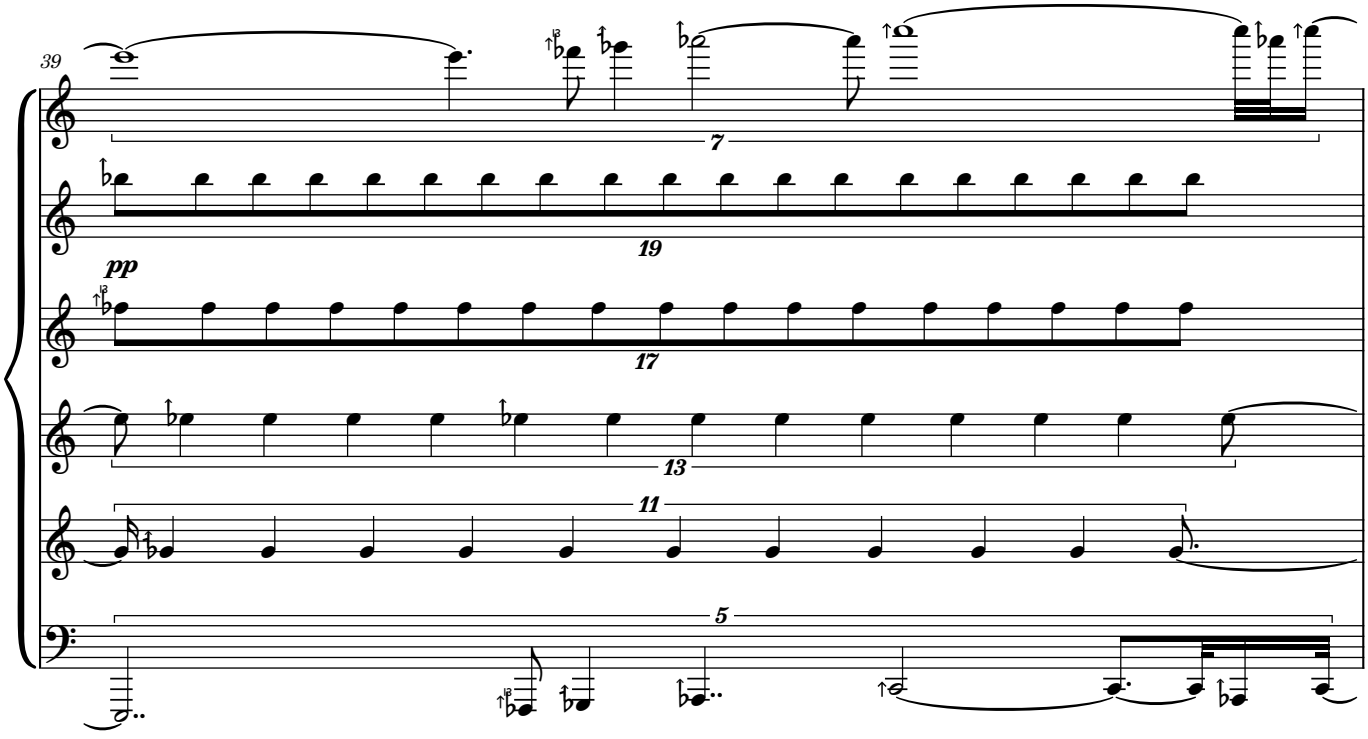

31
7
19
17
13
11
5

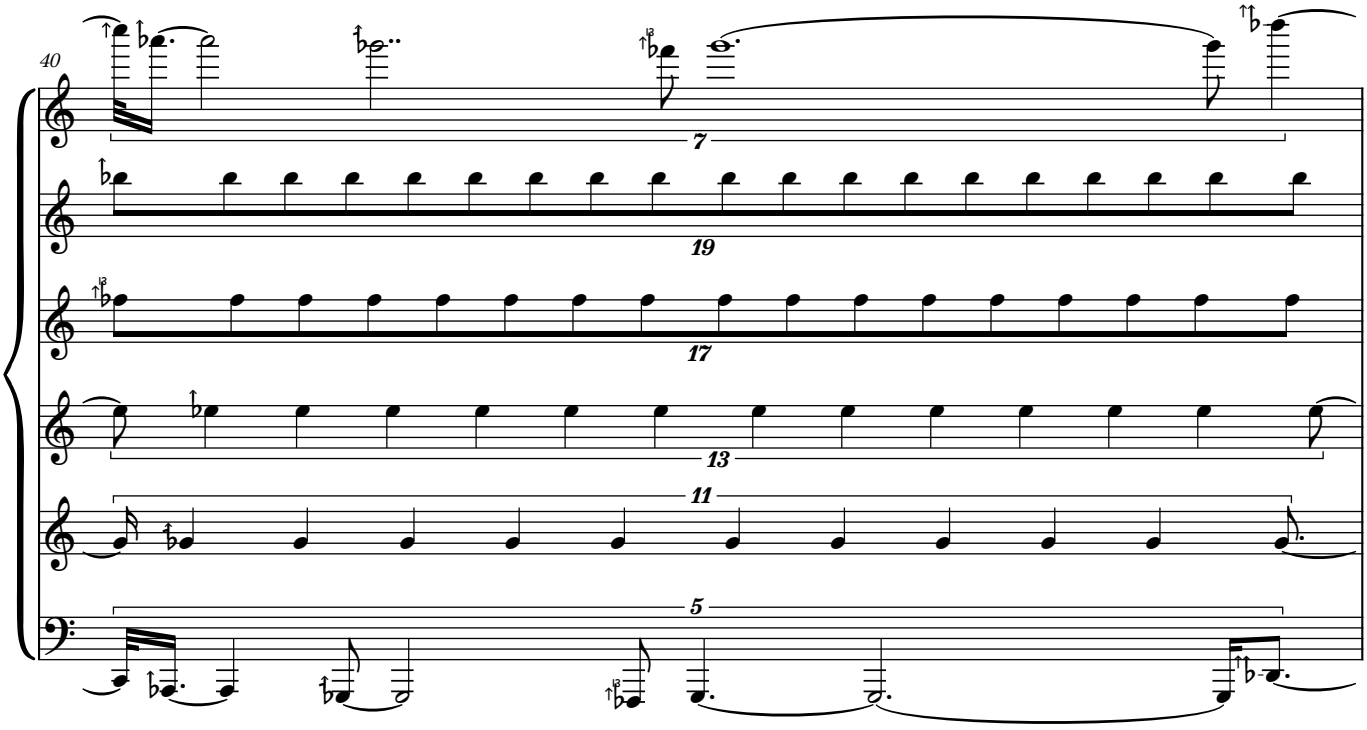

33
7
19
17
13
11
5
34
7
19
17
13
11
5

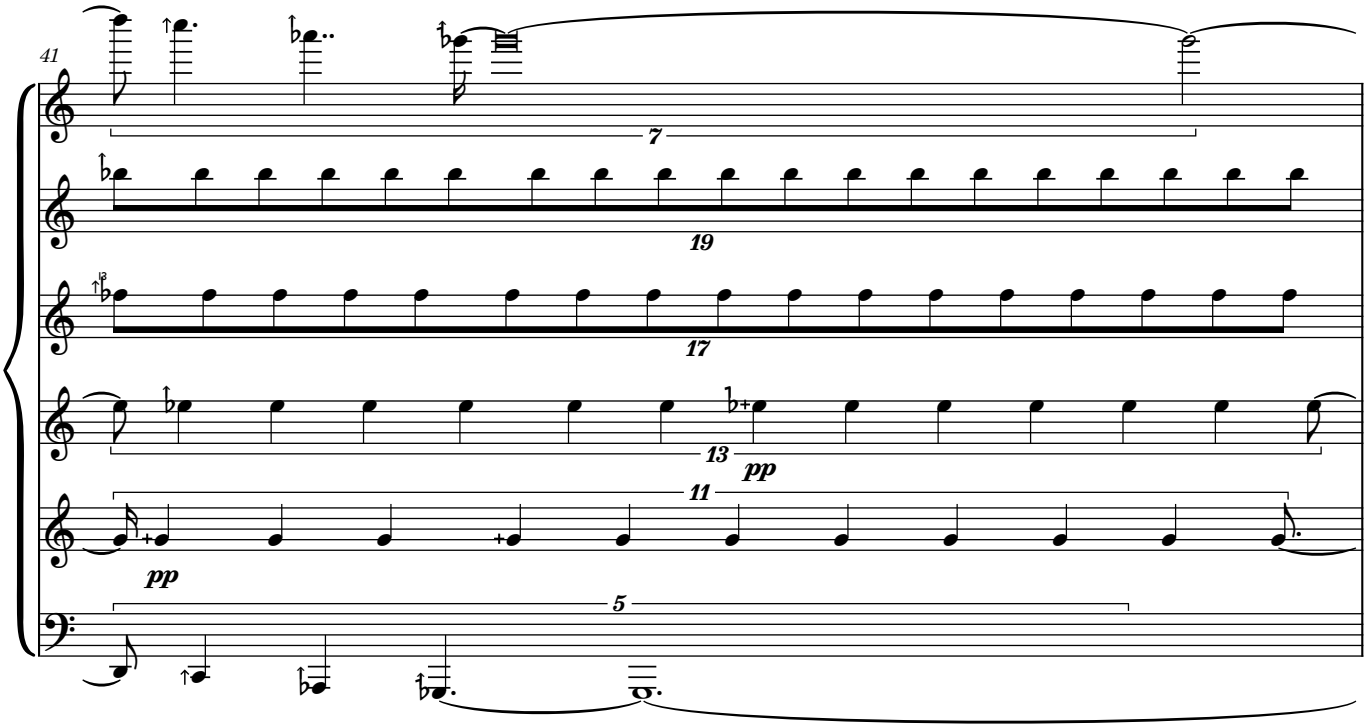

36
7
19
17
pp
13
11
5
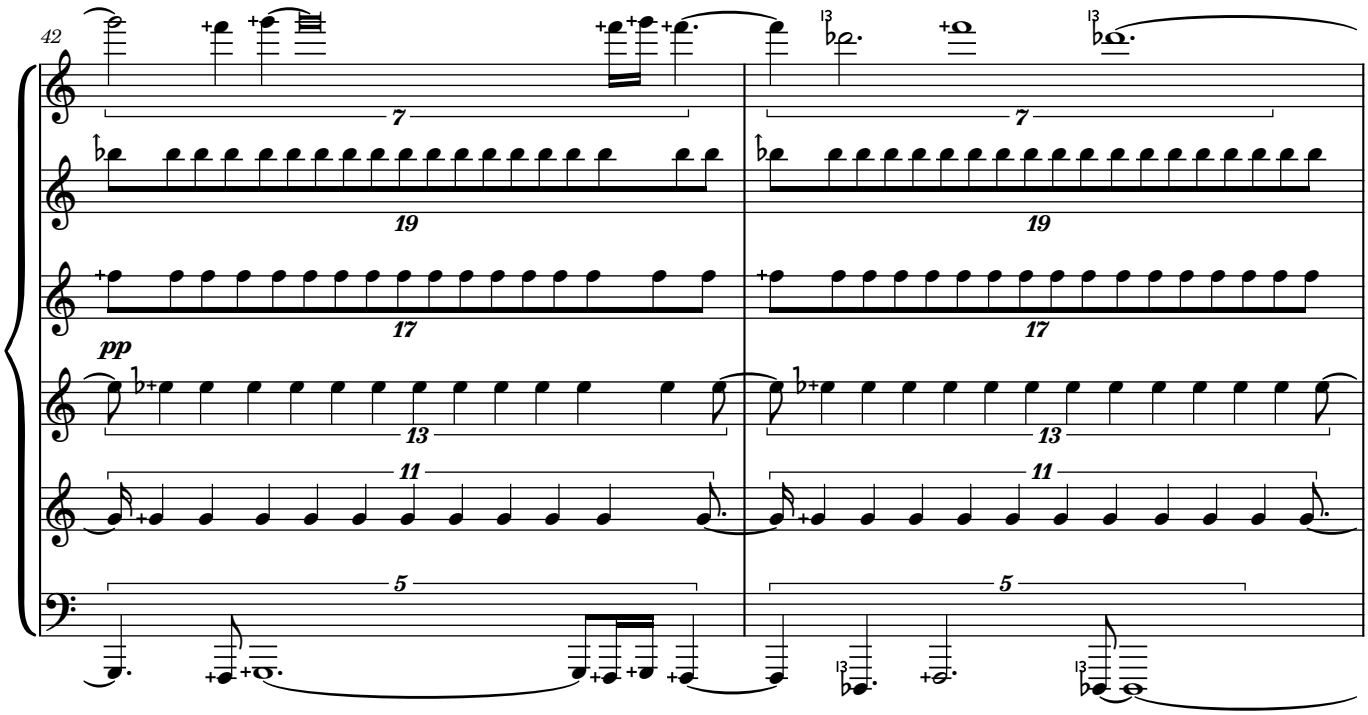

37
7
19
17
13
11
5

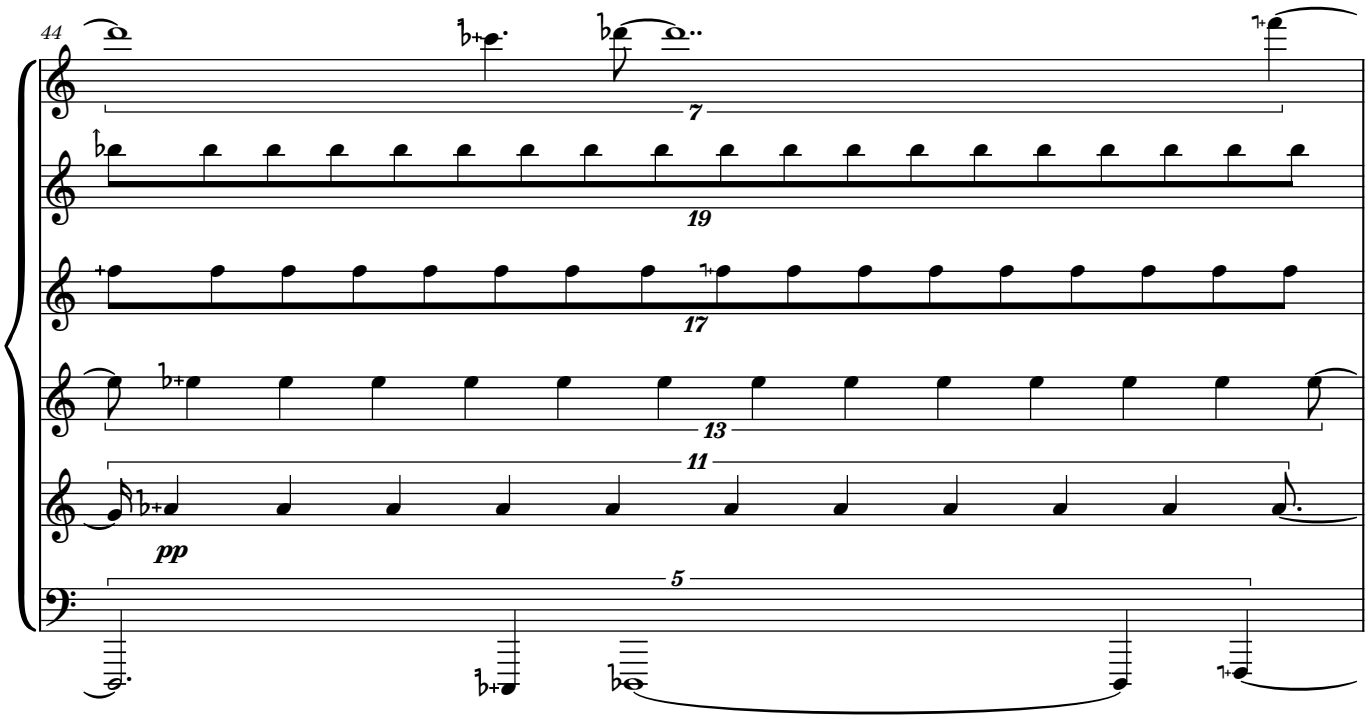

38
7
19
17
13
pp
11
5
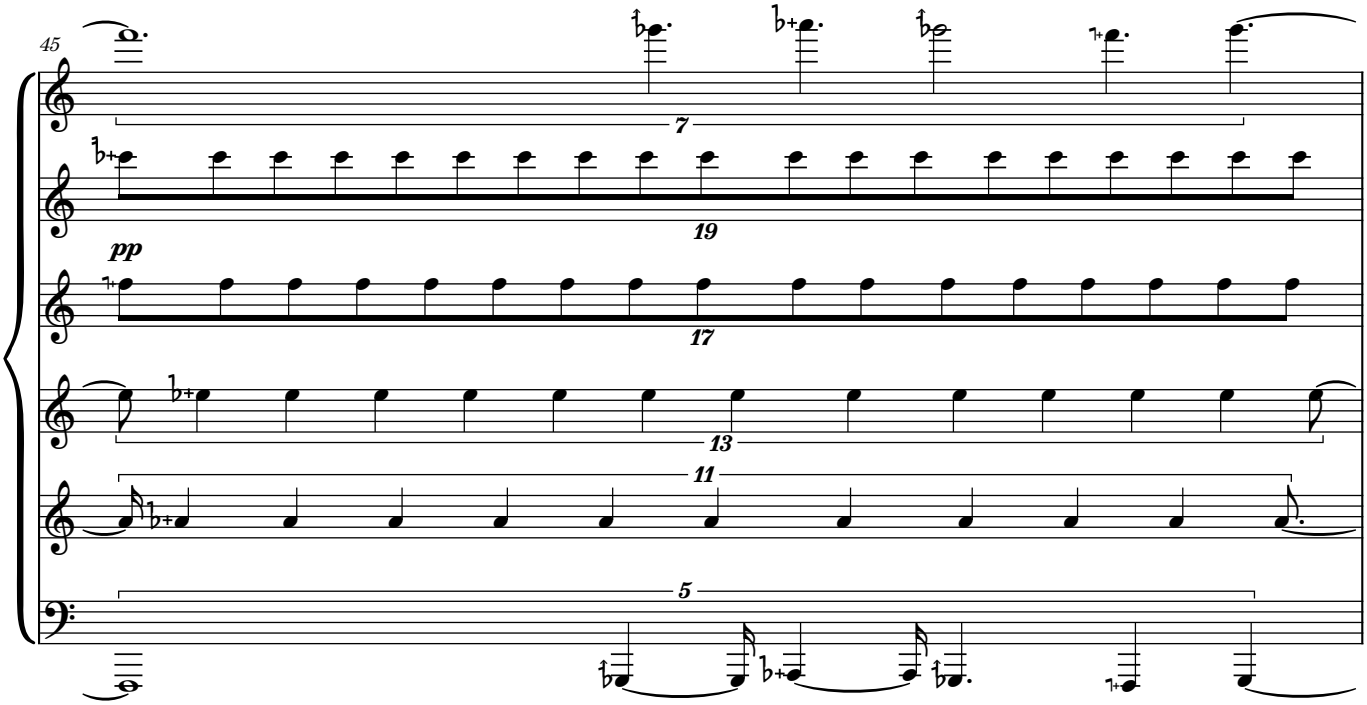

39
7
19
pp
17
13
11
5

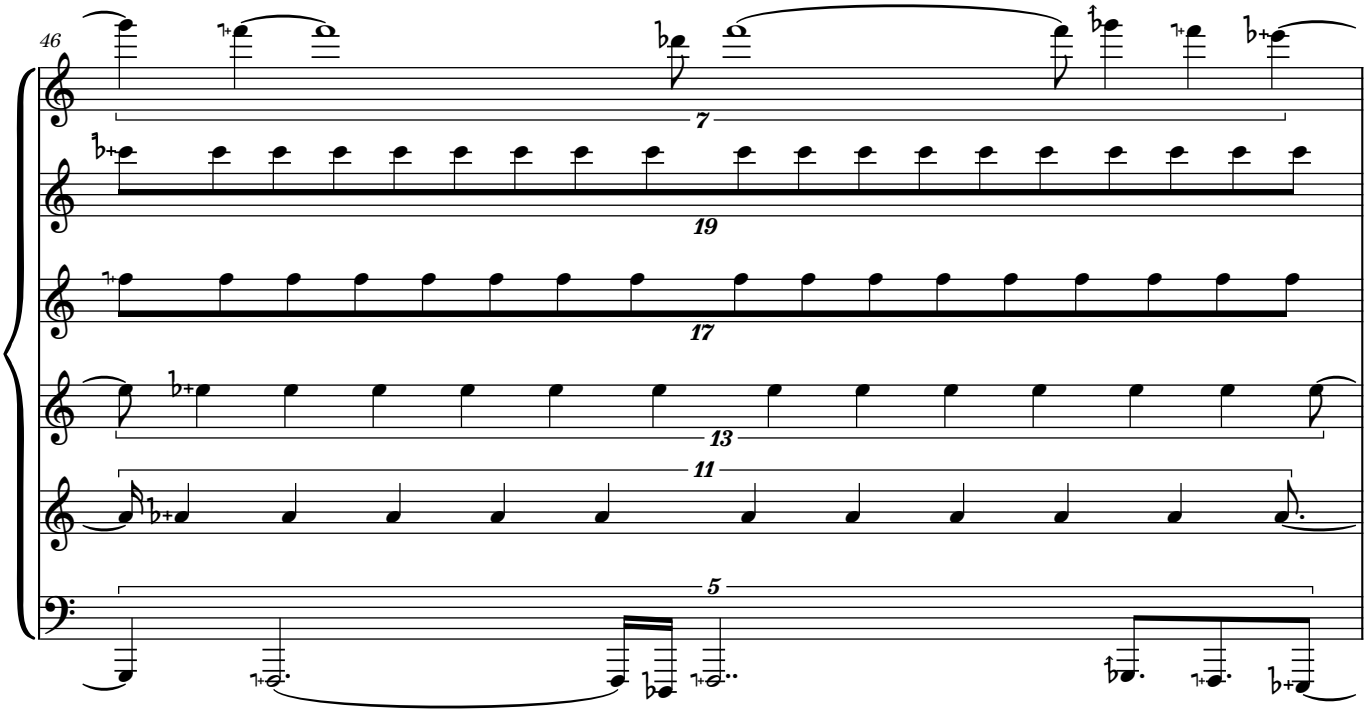

40
7
19
17
13
11
5

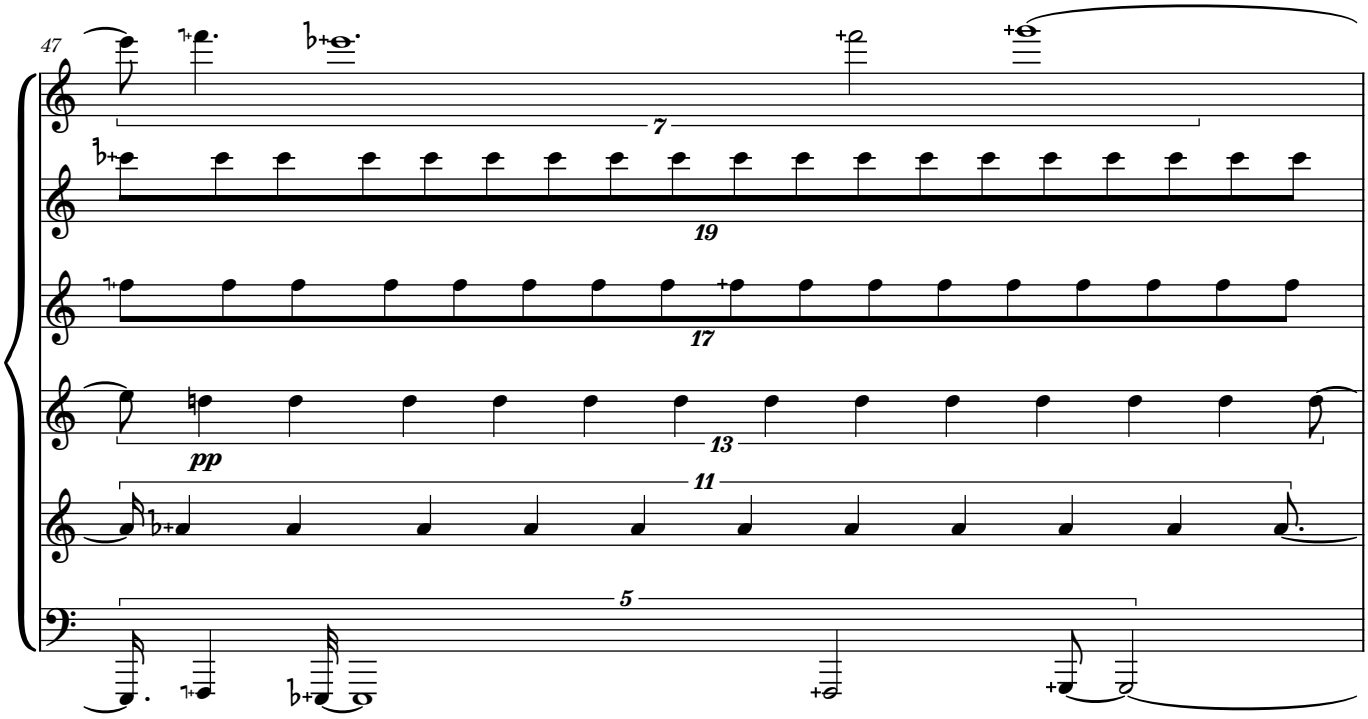

41
7
19
17
13
pp
11
pp
5

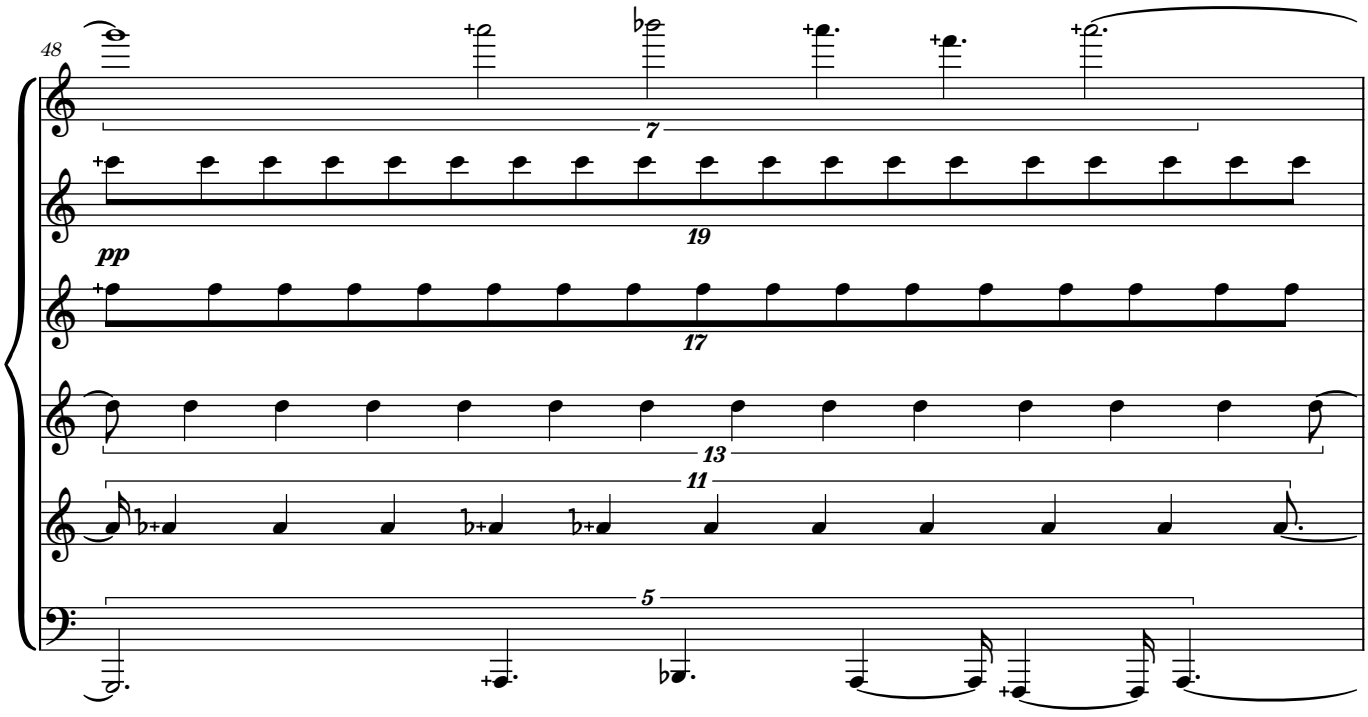

42
7
19
17
pp
13
11
5

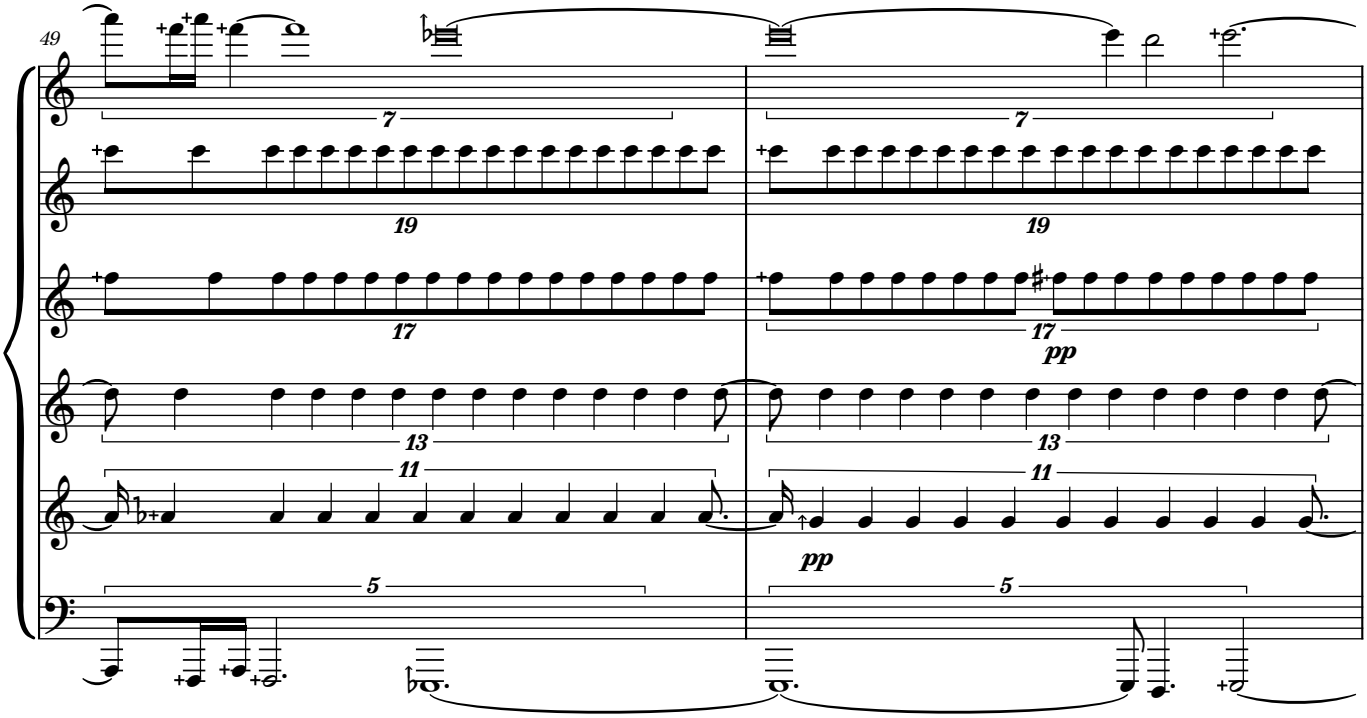

44
7
19
17
13
11
pp
5
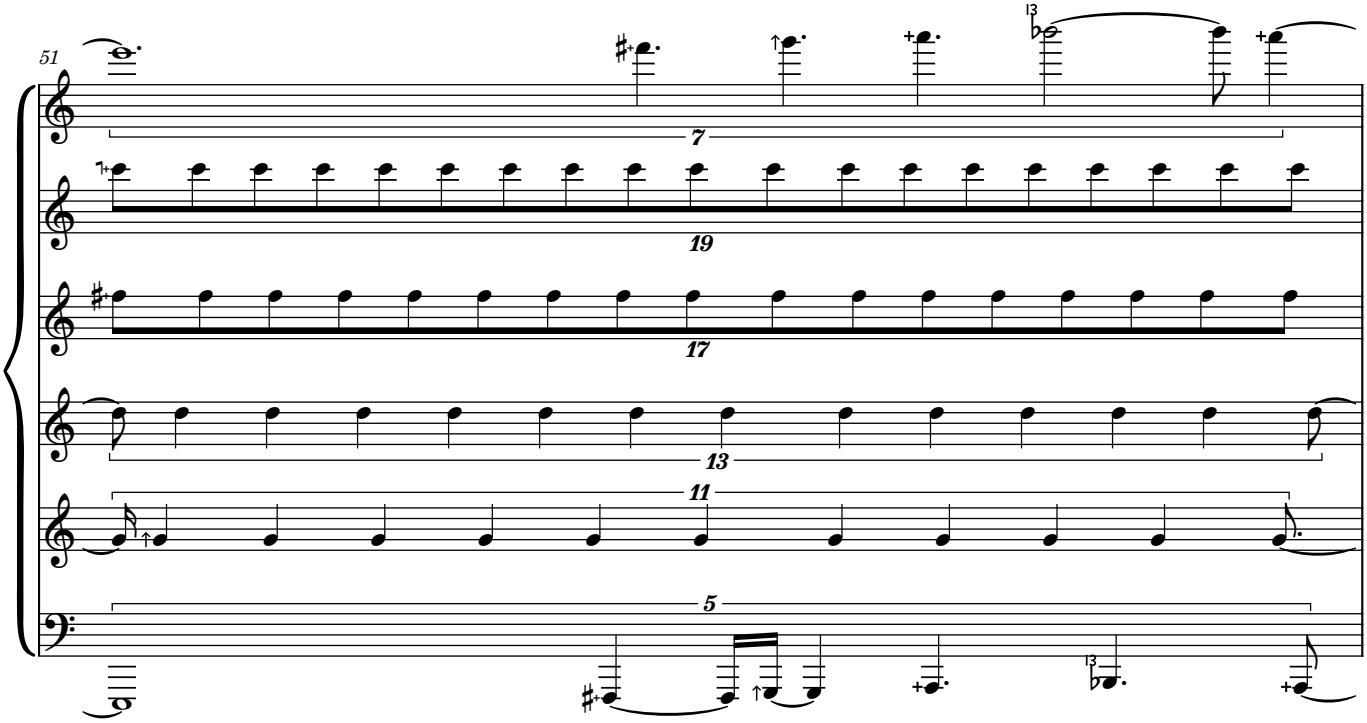

45
7
19
pp
17
13
11
5

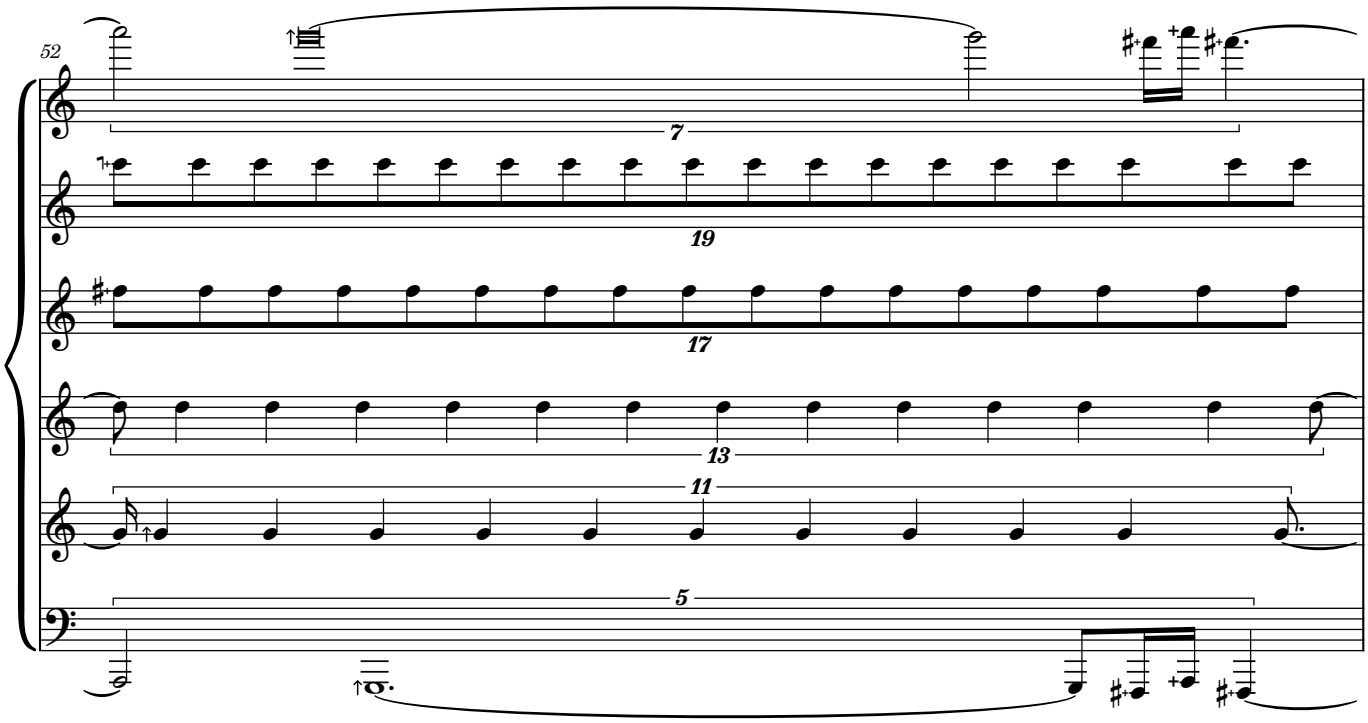

46
7
19
17
13
11
5

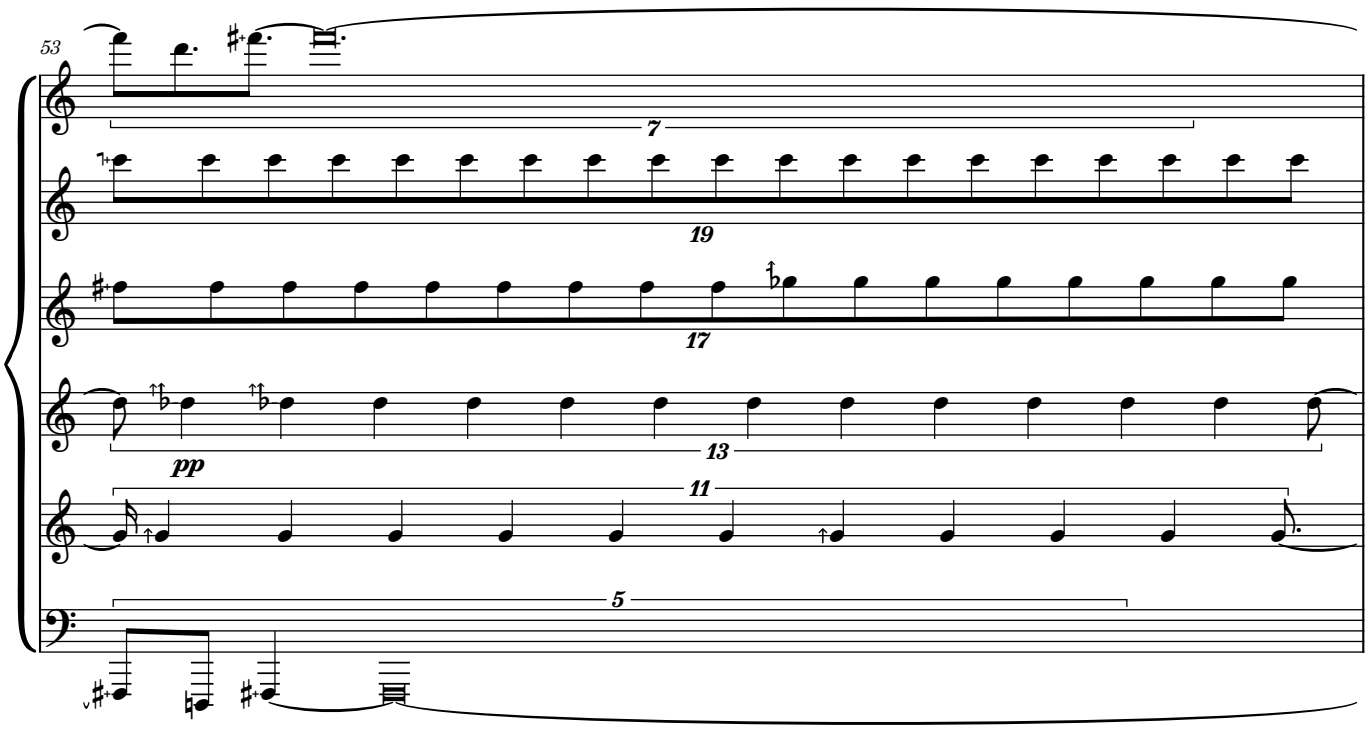

47
7
19
17
pp
13
11
5
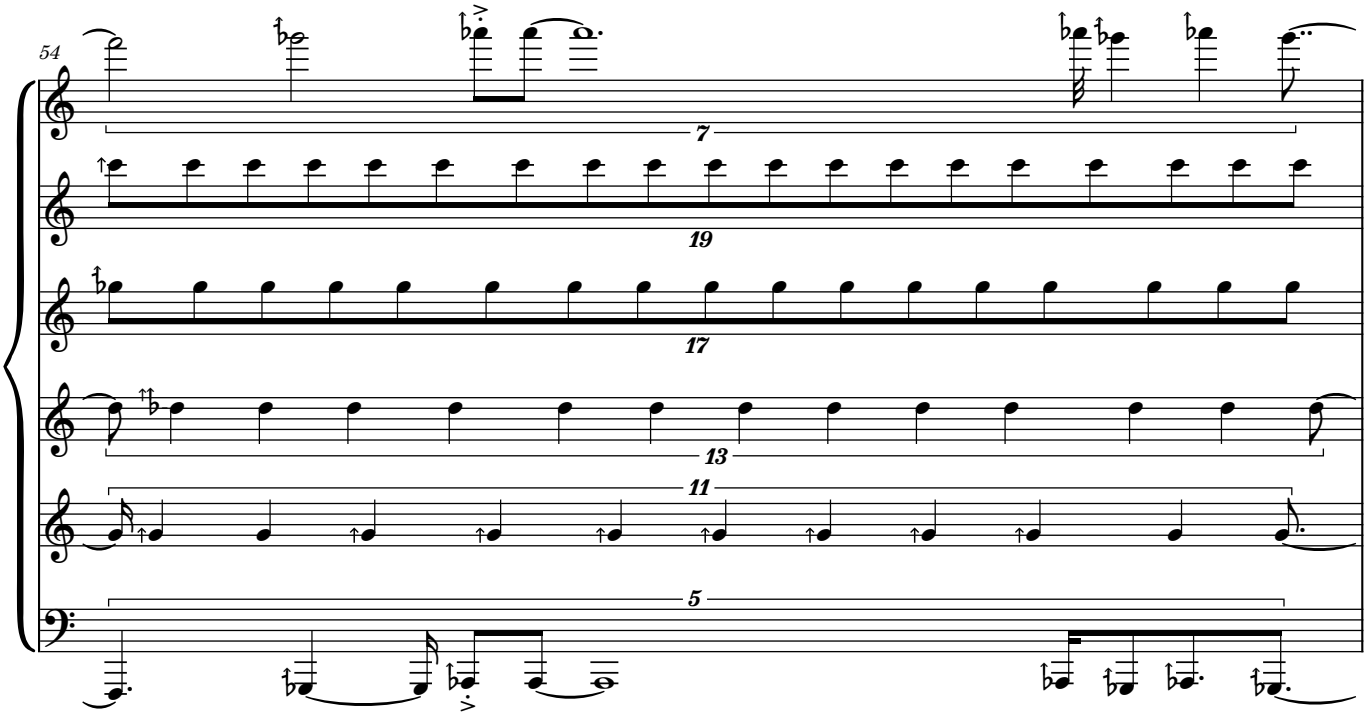

48
7
19
pp
17
13
11
5

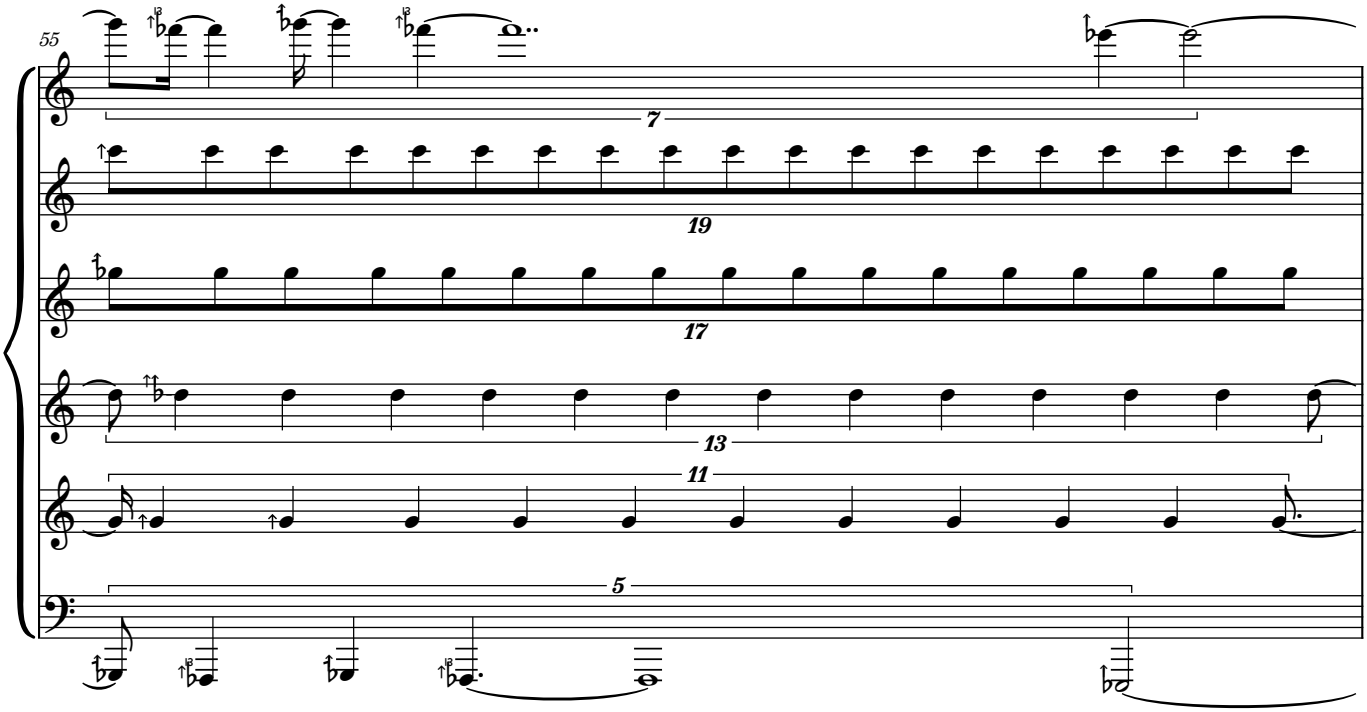

49
7
19
17
pp
13
11
pp
5

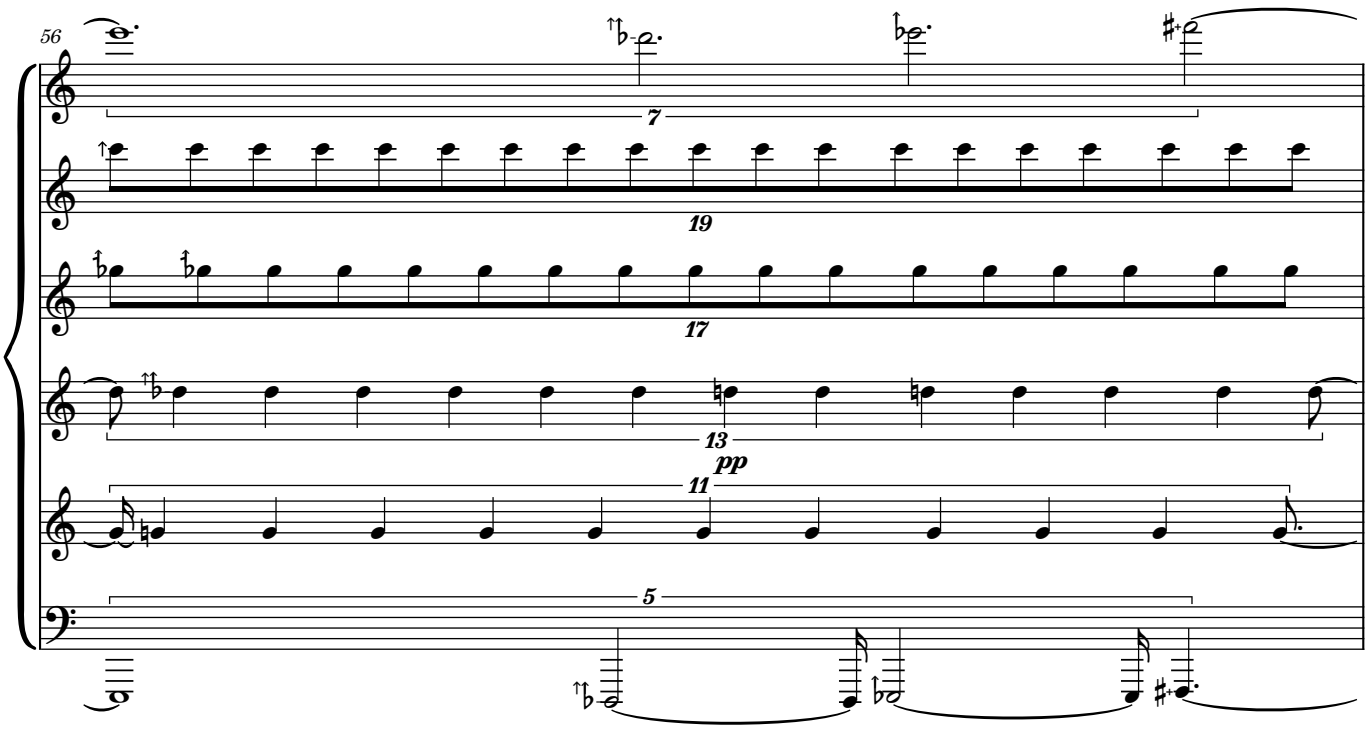

51
7
19
17
13
11
5
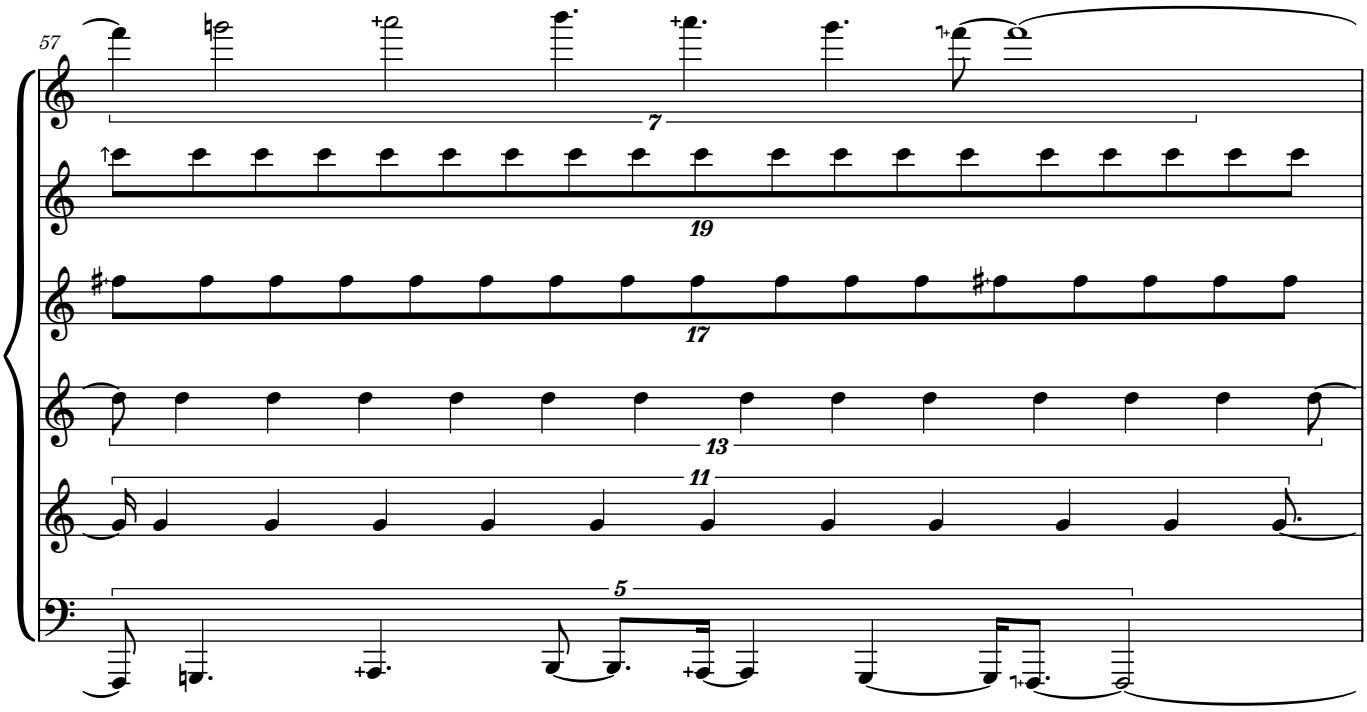

52
7
19
17
13
11
5

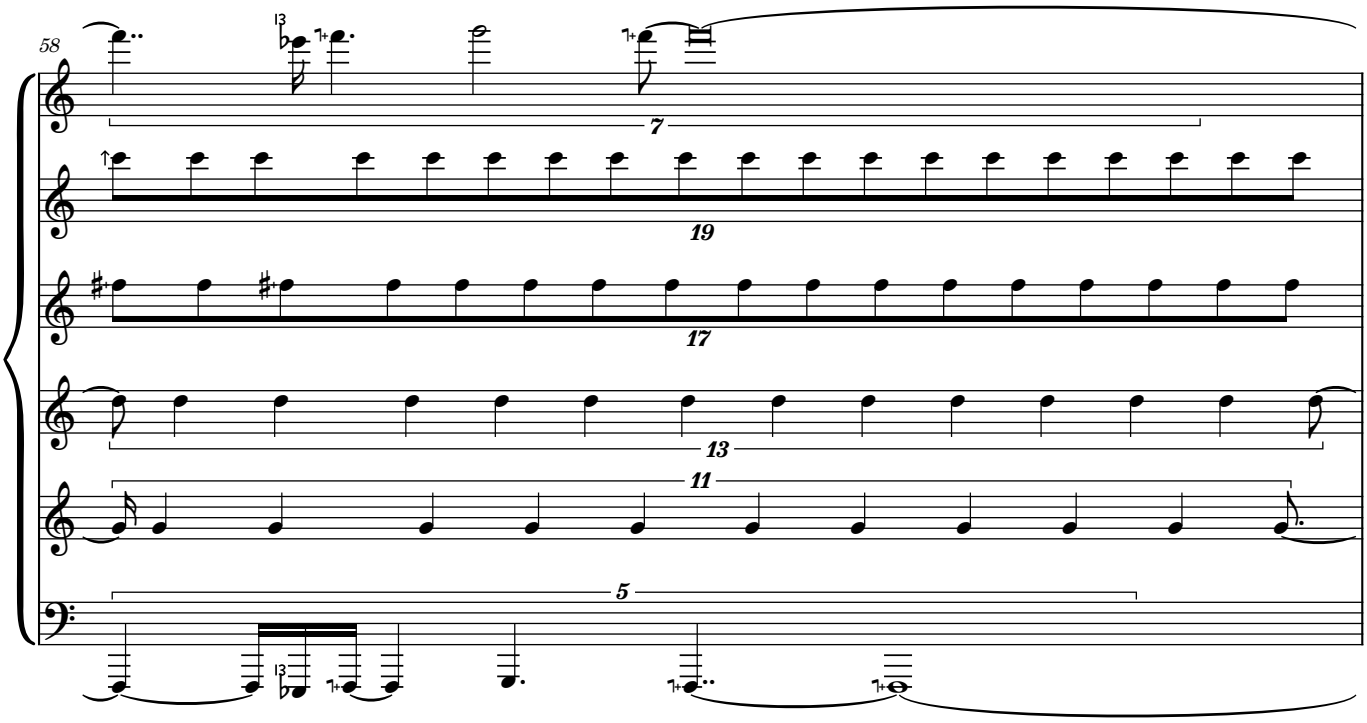

53
7
19
17
pp
13
11
5
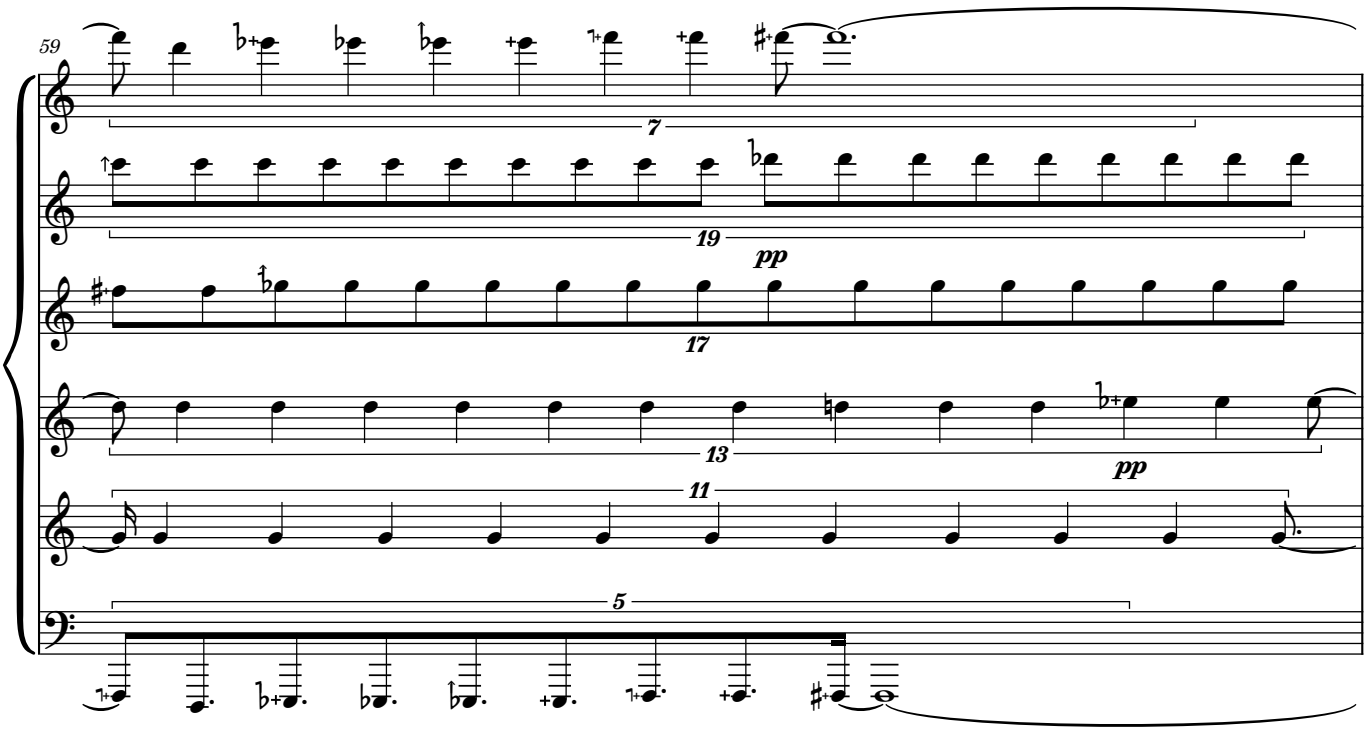

54
7
19
17
13
11
5

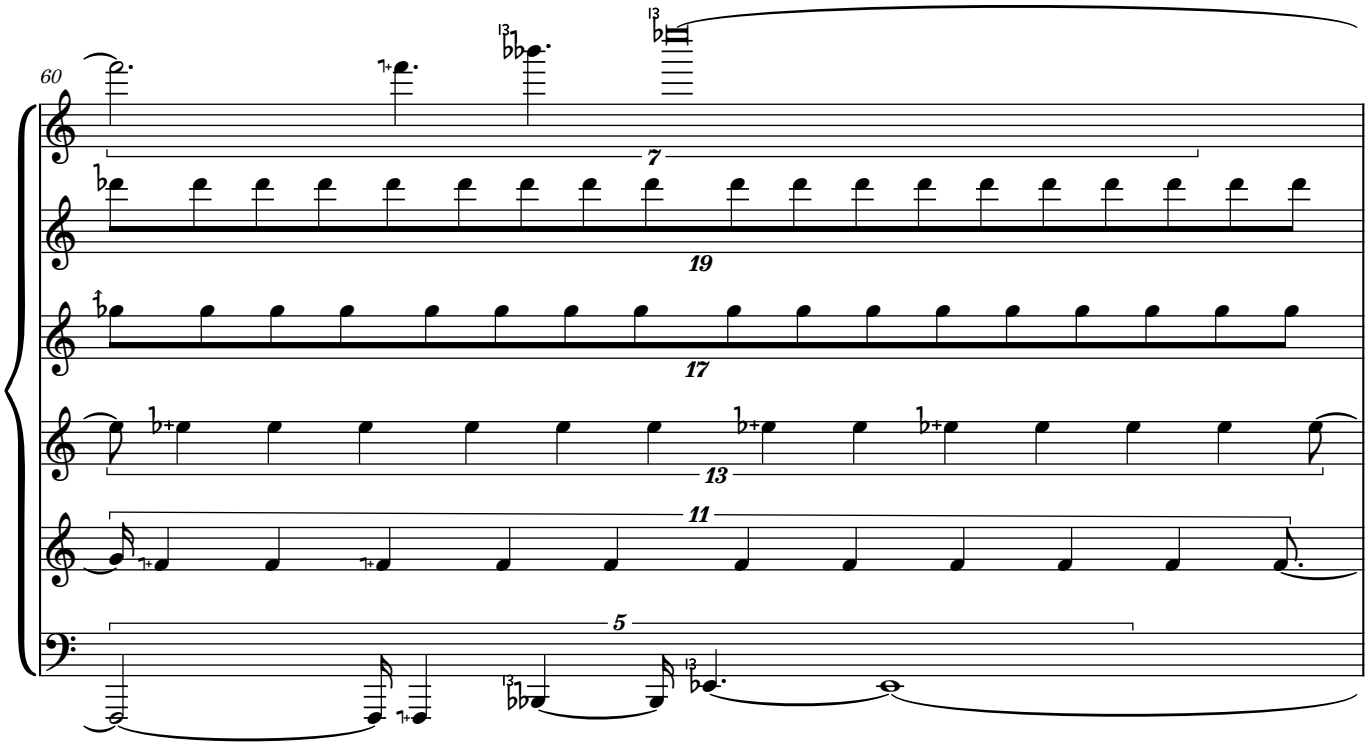

55
7
19
17
13
11
5

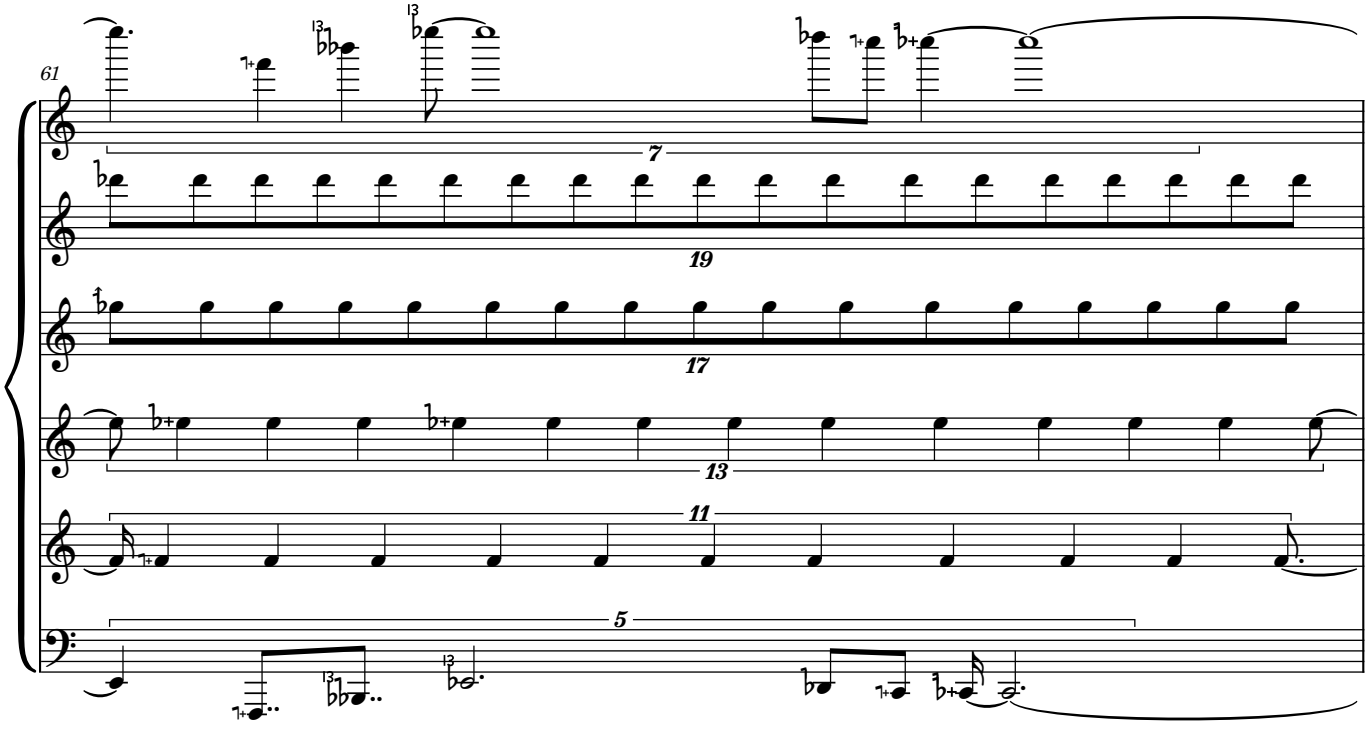

56
7
19
17
13
pp
11
5

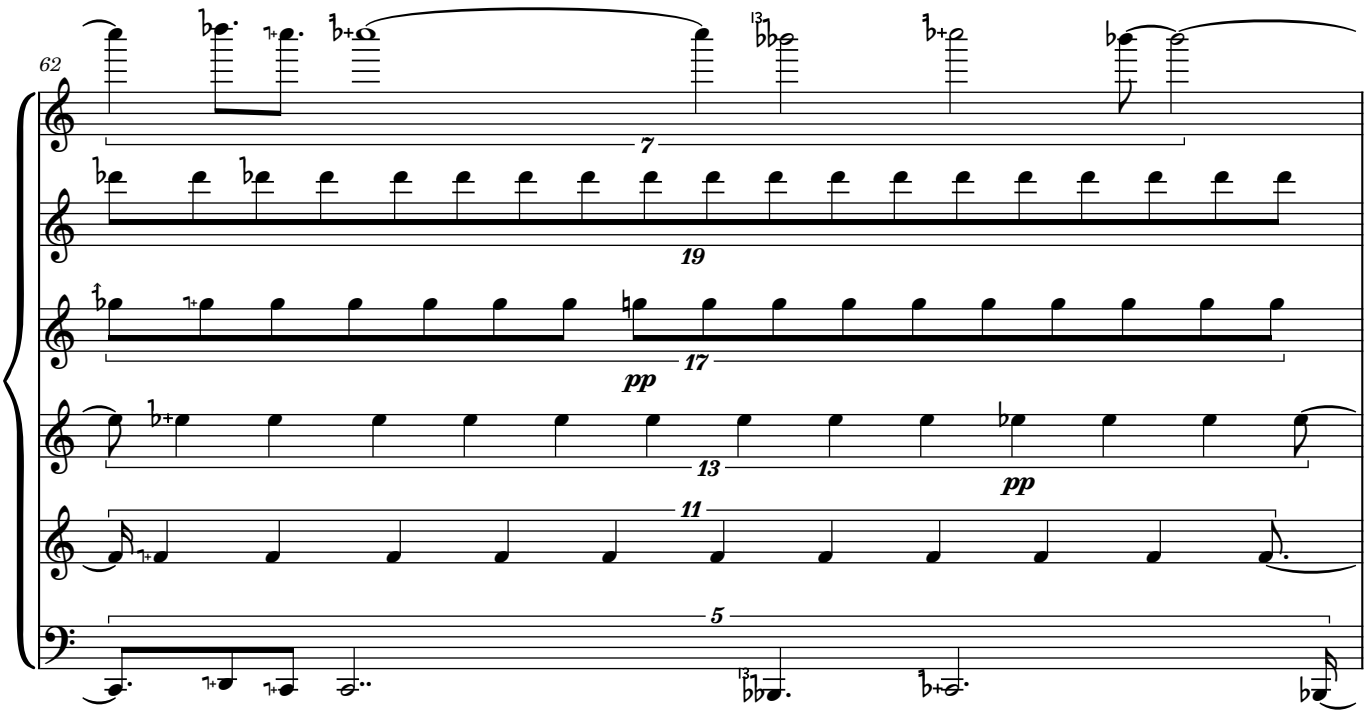

57
7
19
17
13
11
5
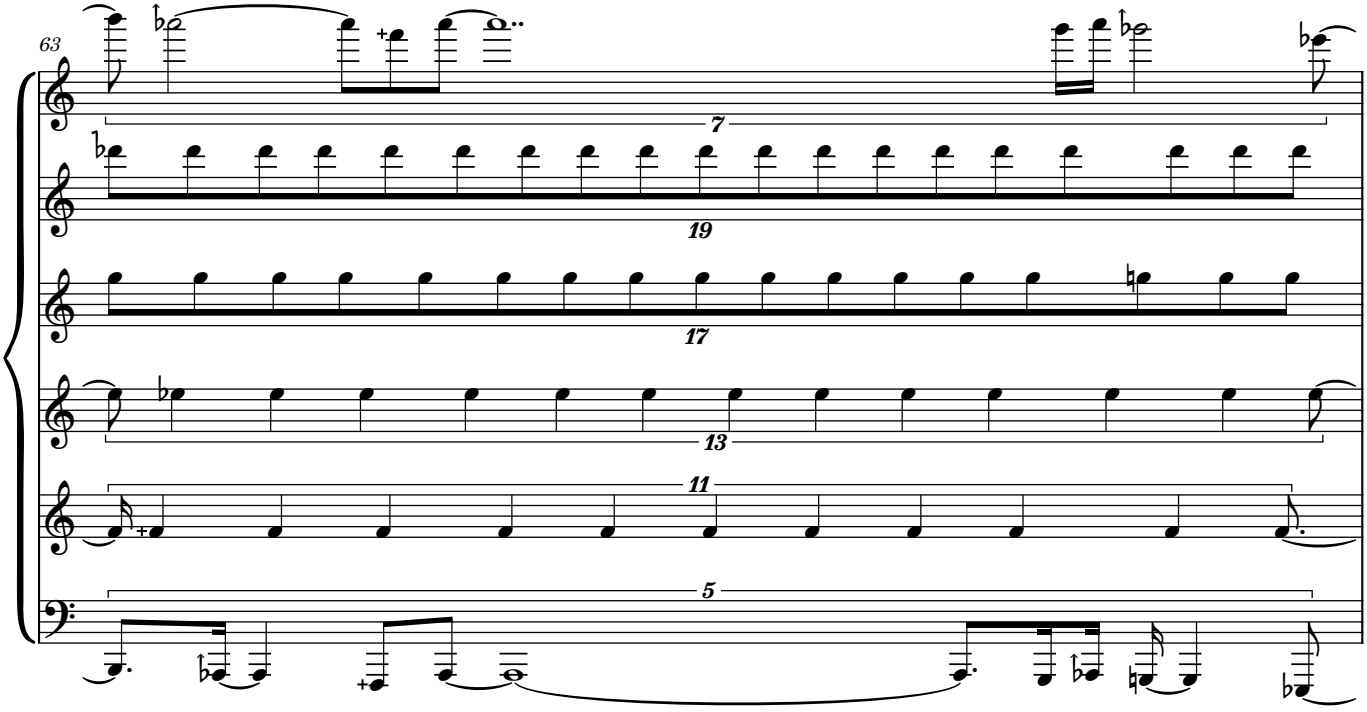

58
7
19
17
13
11
5
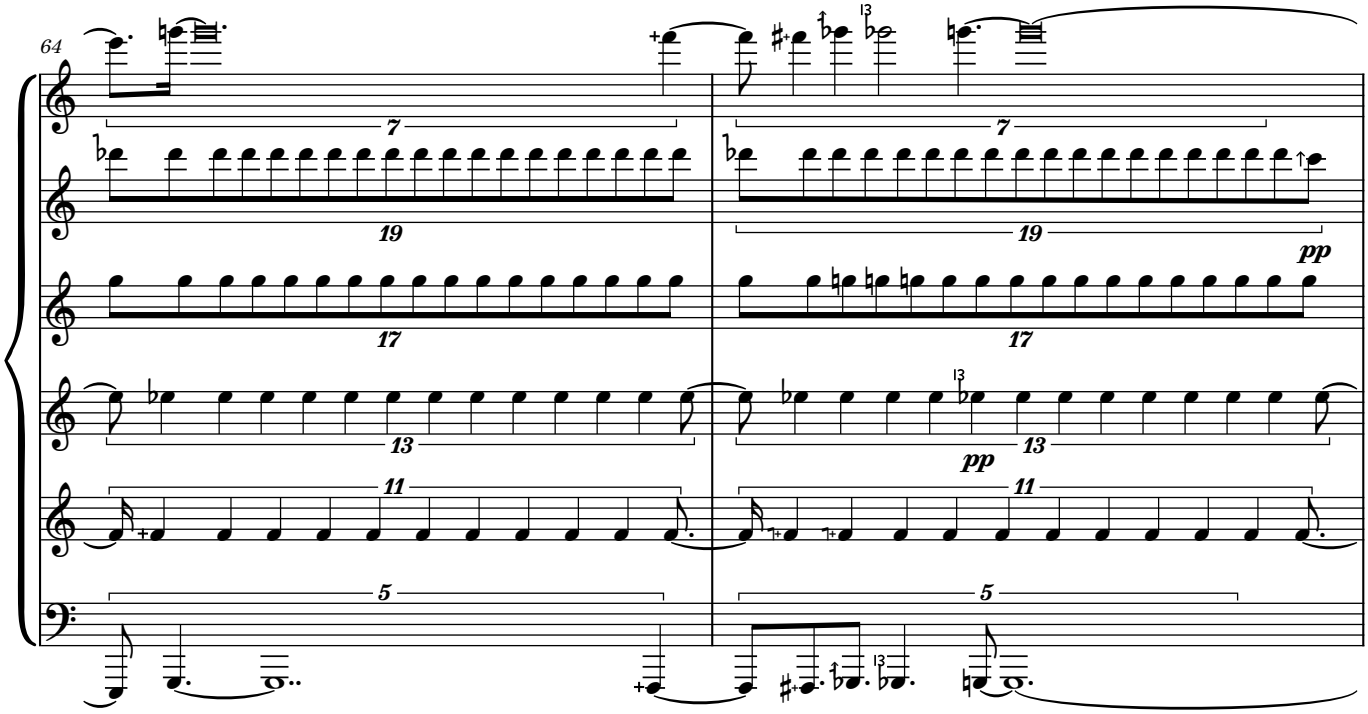

59
7
19
pp
17
13
pp
11
5
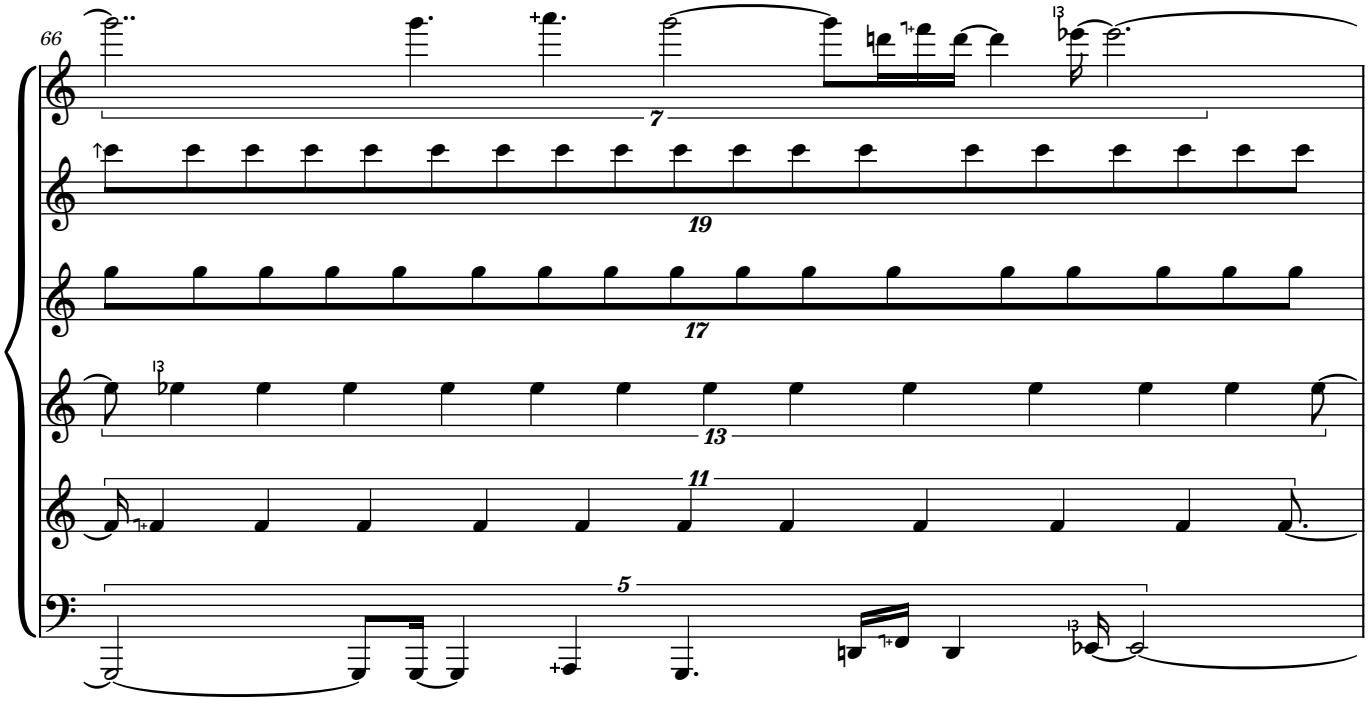

60
7
19
17
13
11
5

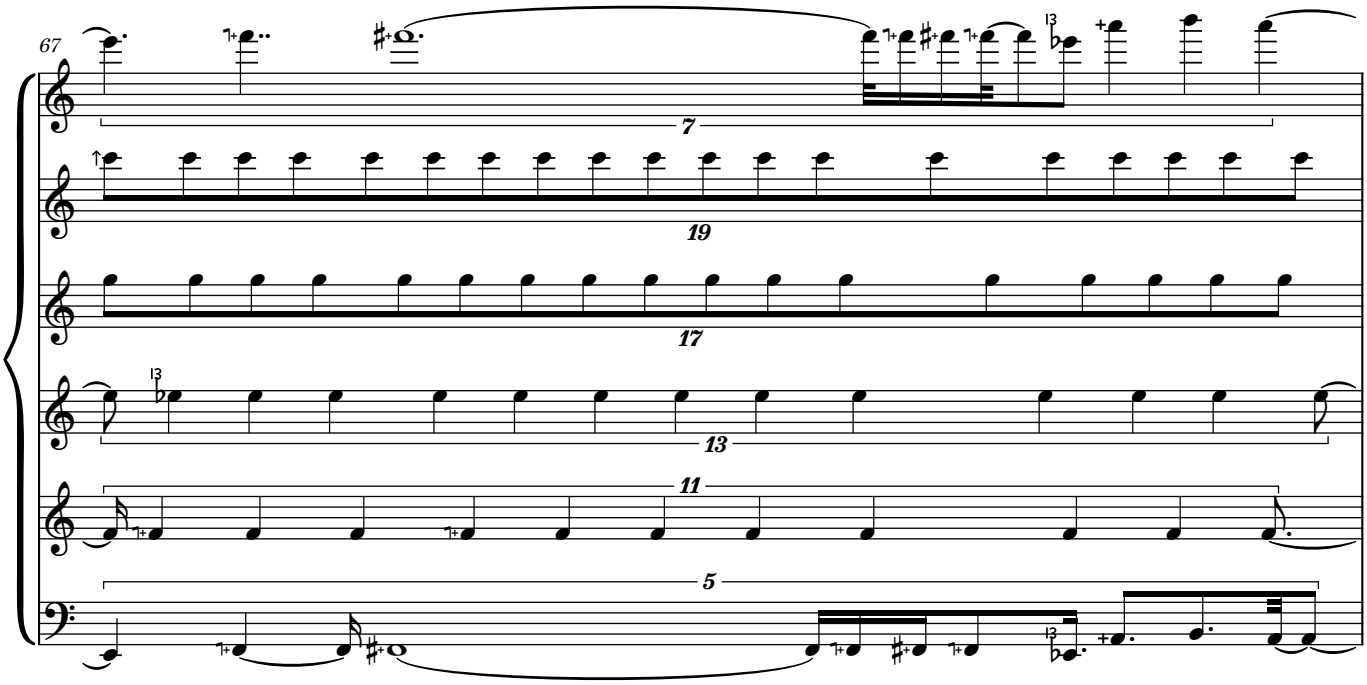

61
7
19
17
13
11
5

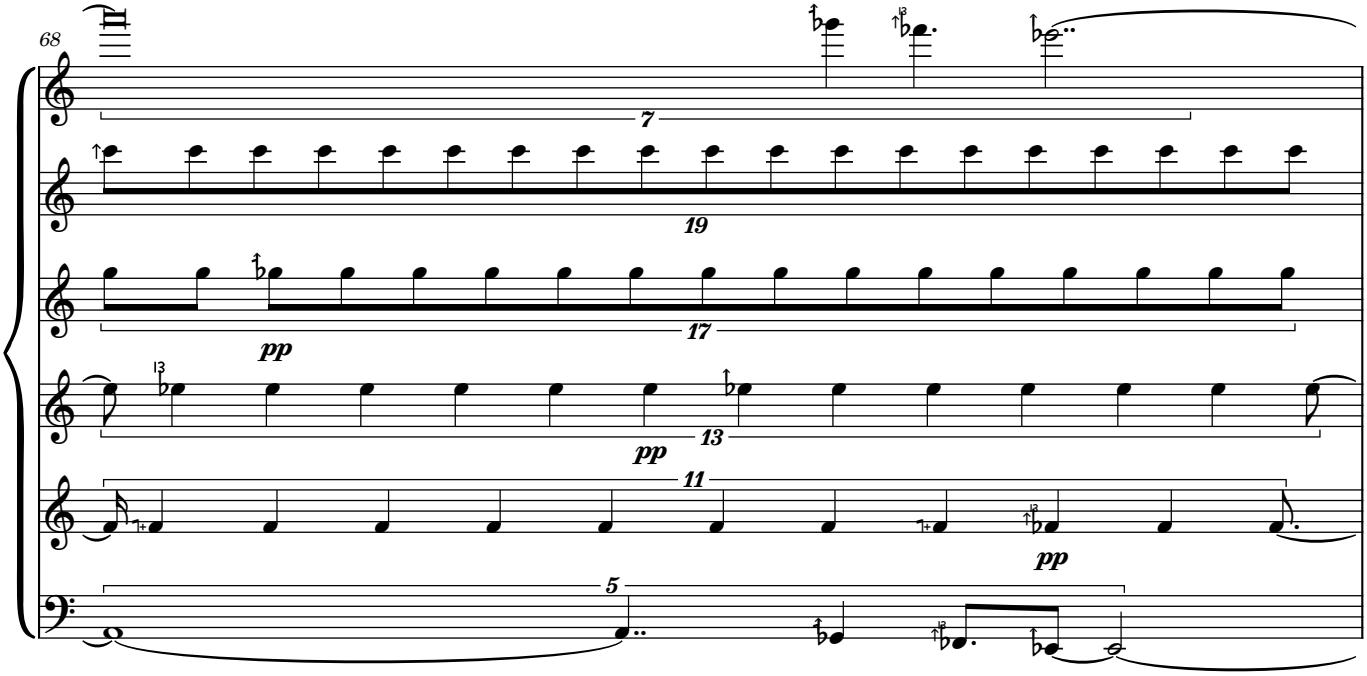

62
7
19
17
pp
13
pp
11
5
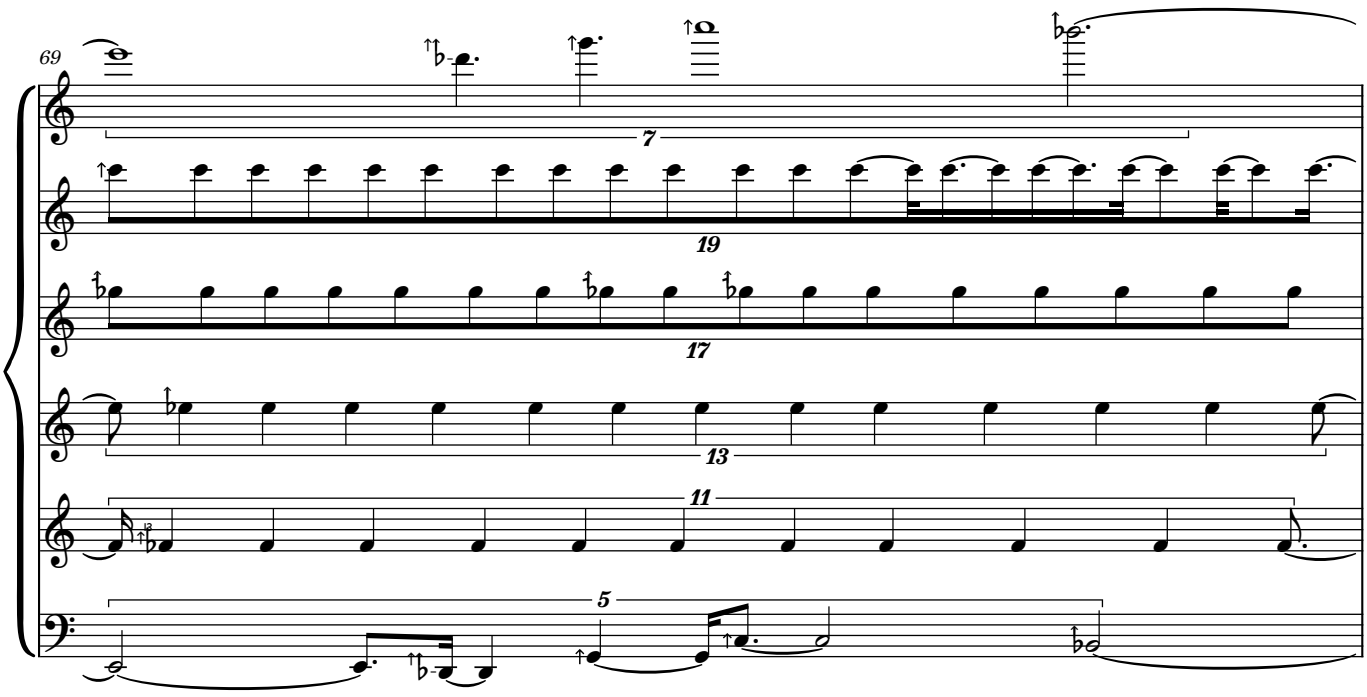

63
7
19
17
13
11
5

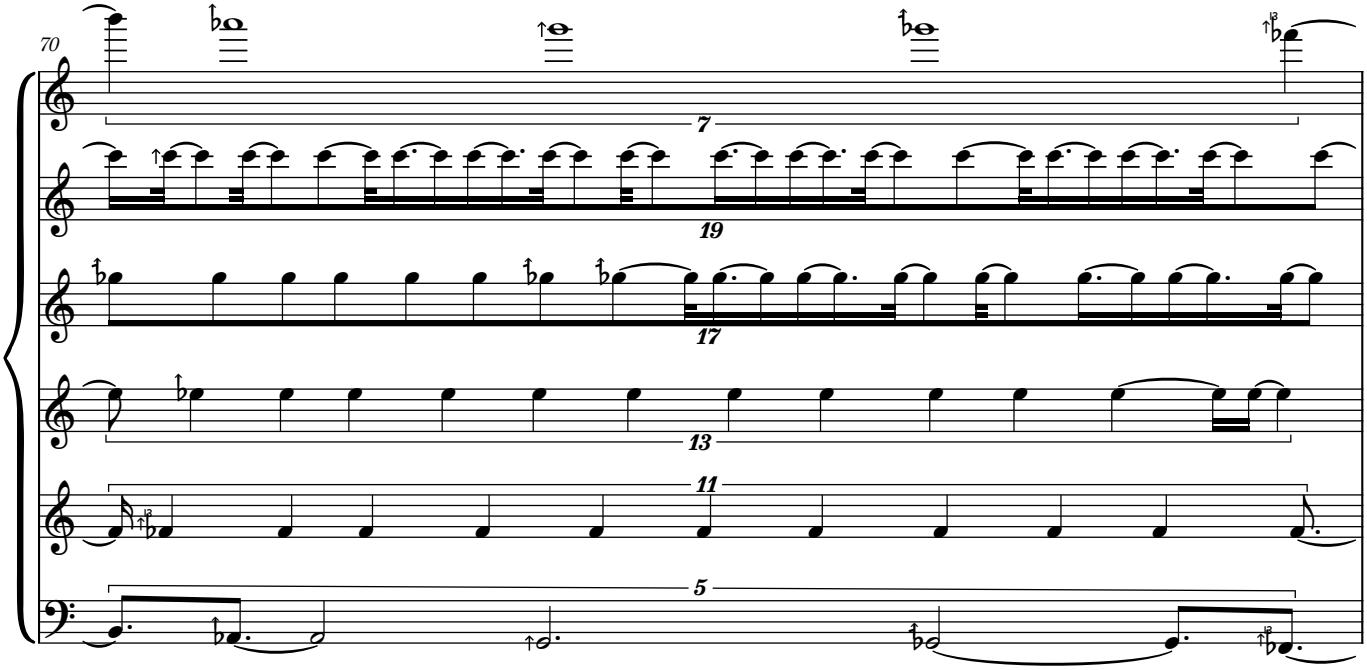

64
7
19
17
13
11
5
pp
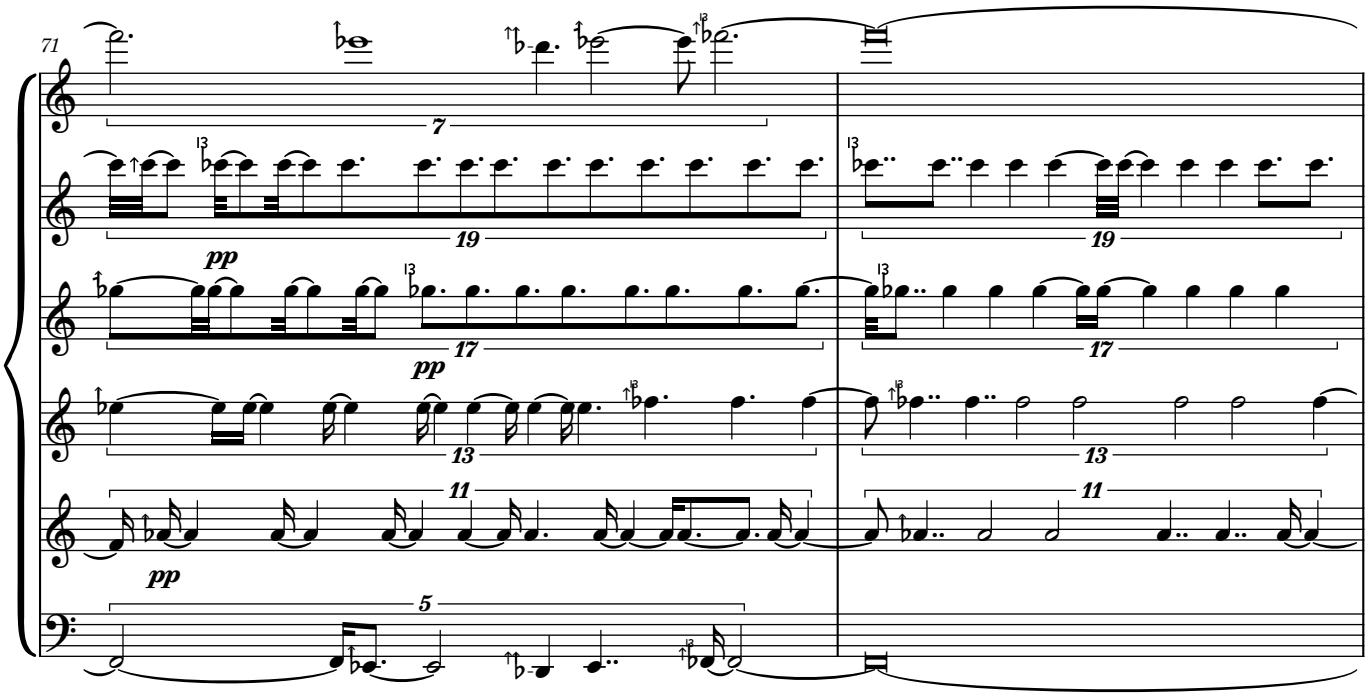

66
7
19
17
13
11
5

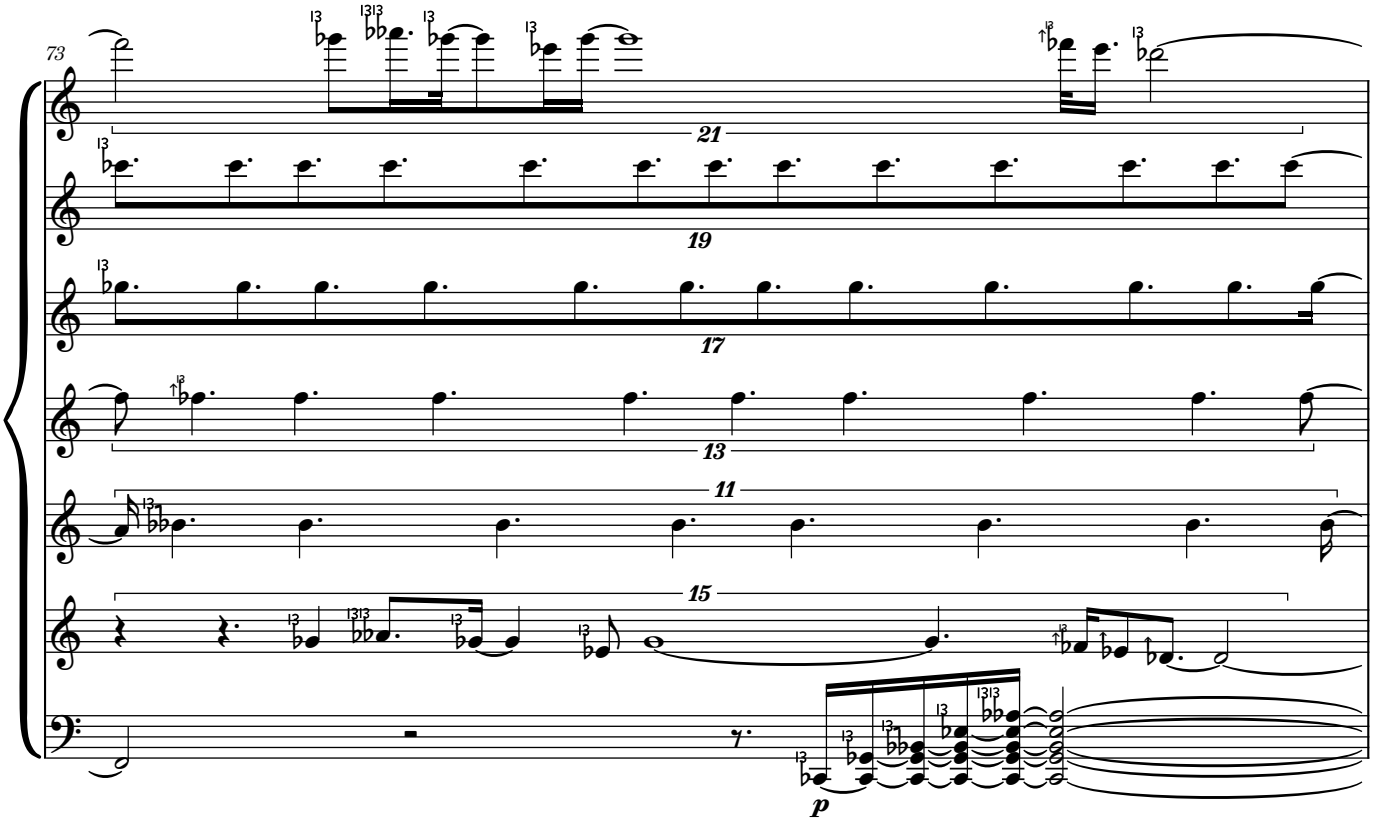

67
7
19
17
13
11
5
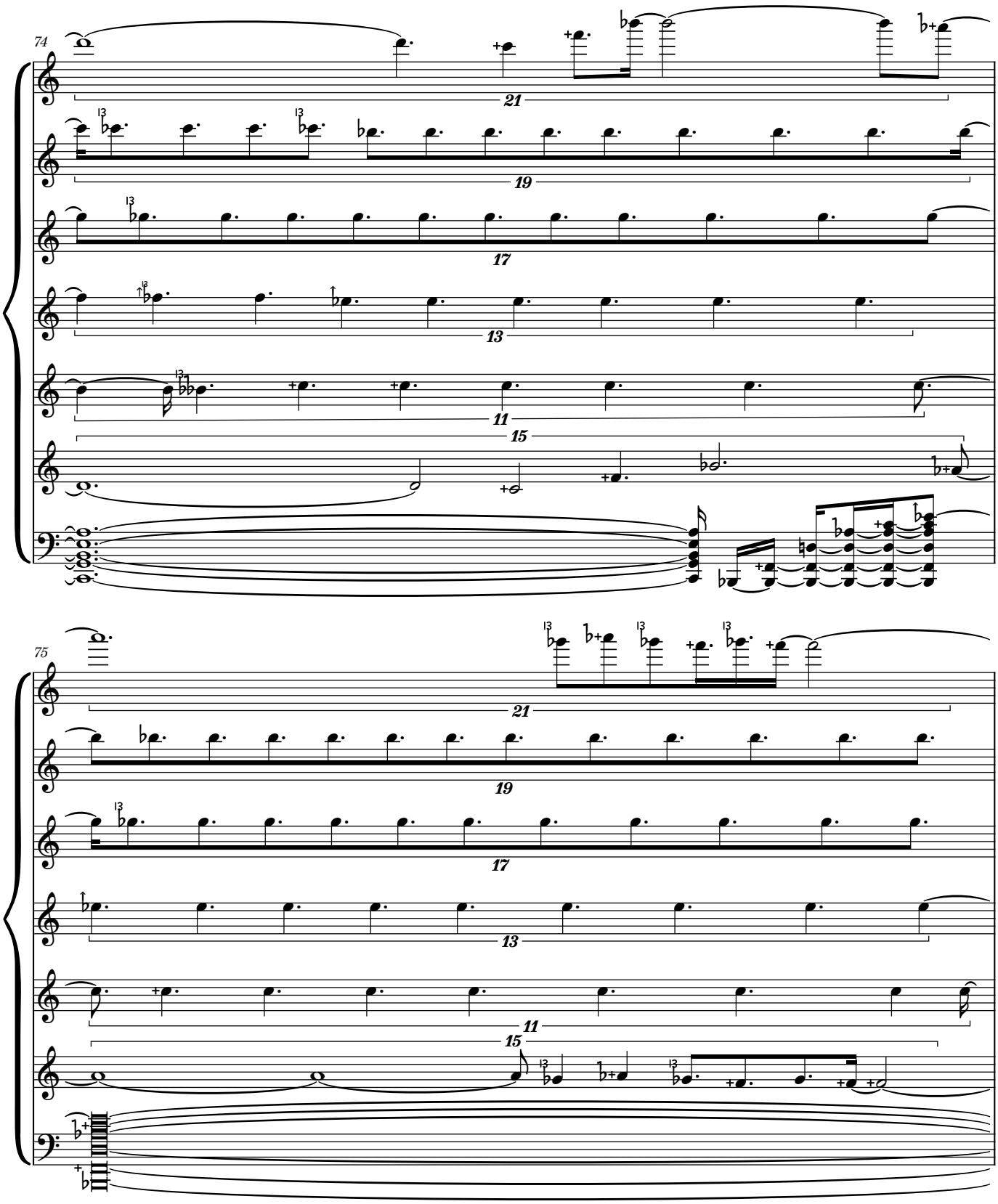

68
7
19
17
pp
13
pp
11
pp
5
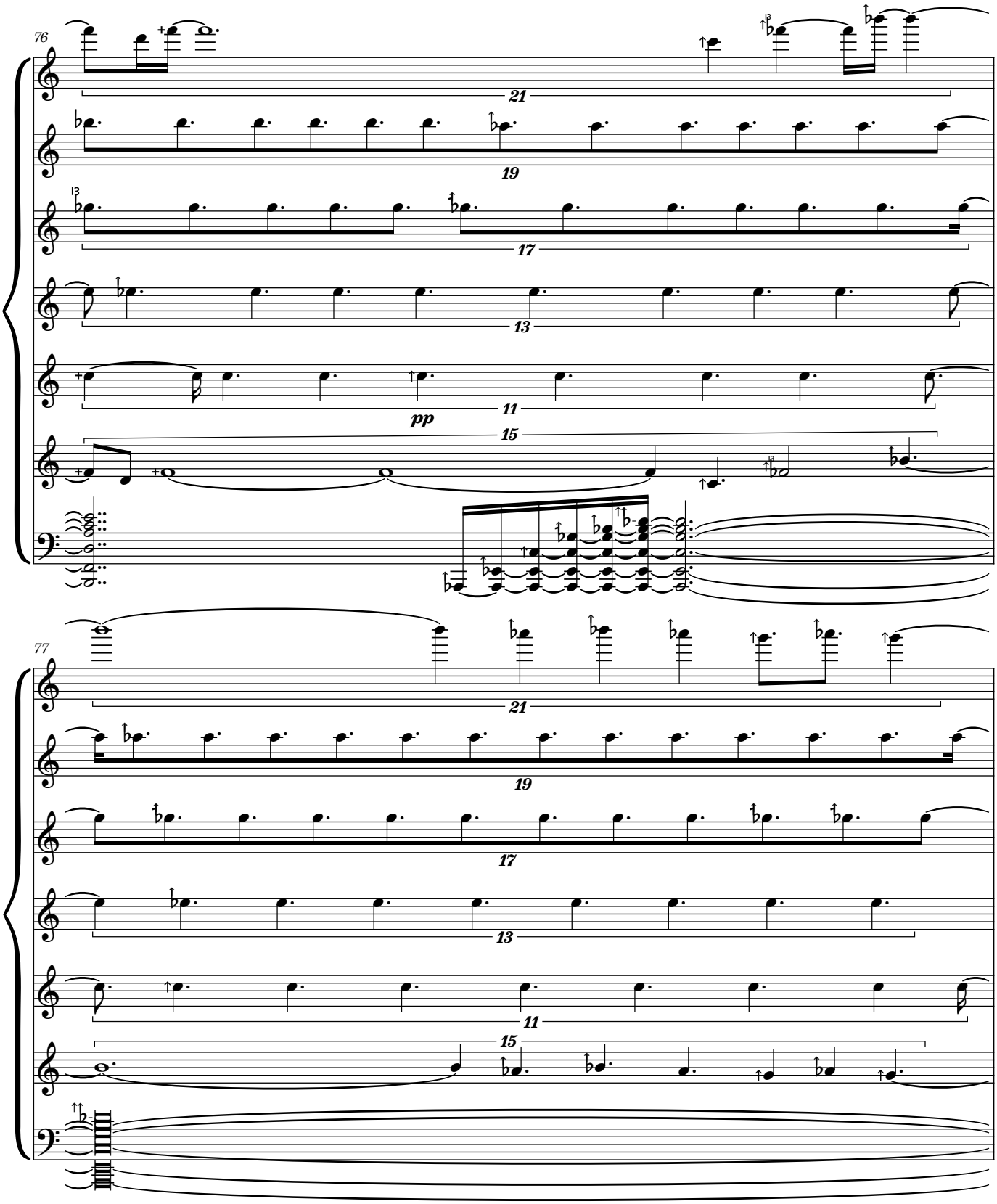

69
7
19
17
13
11
5
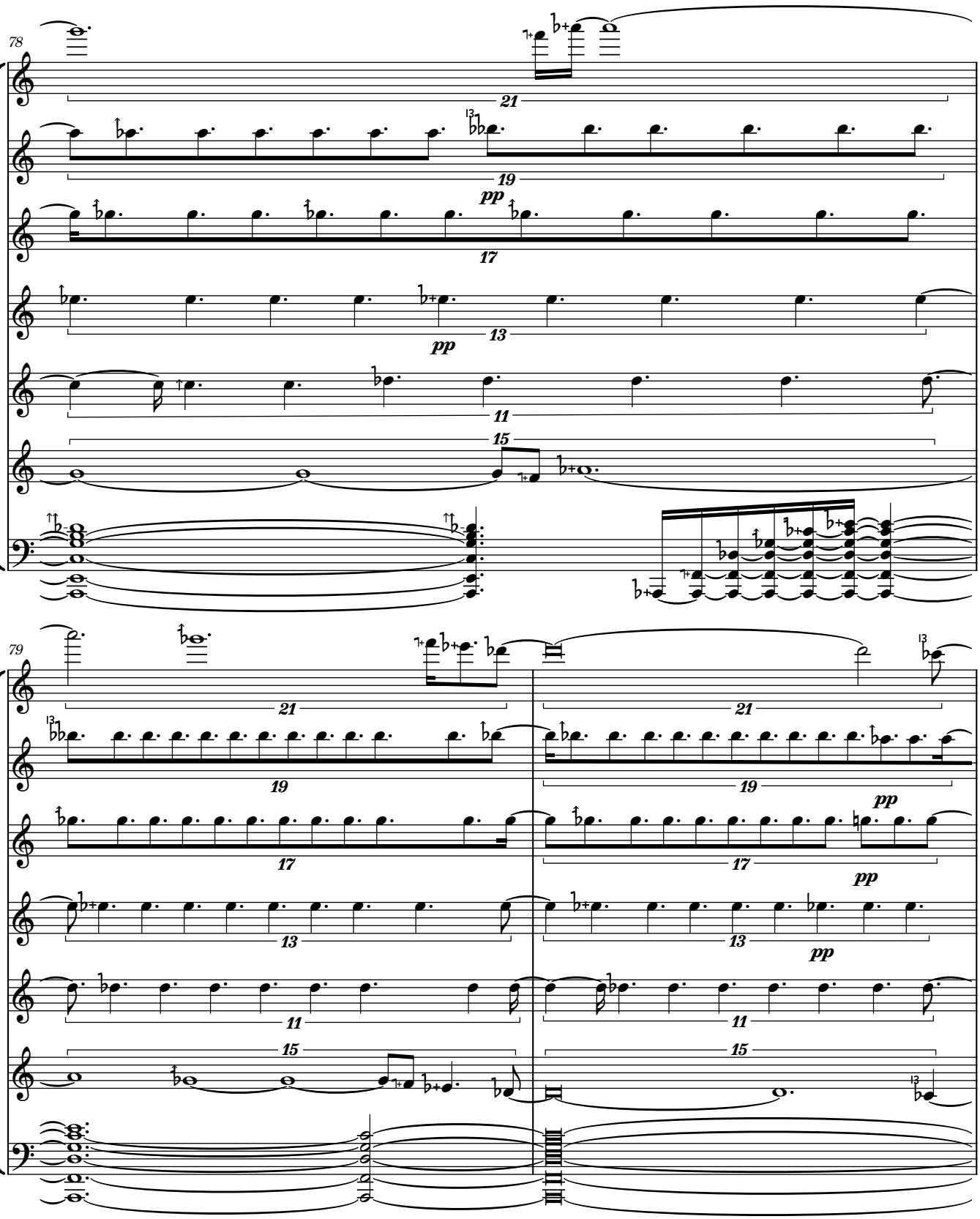

70
7
19
17
13
11
5
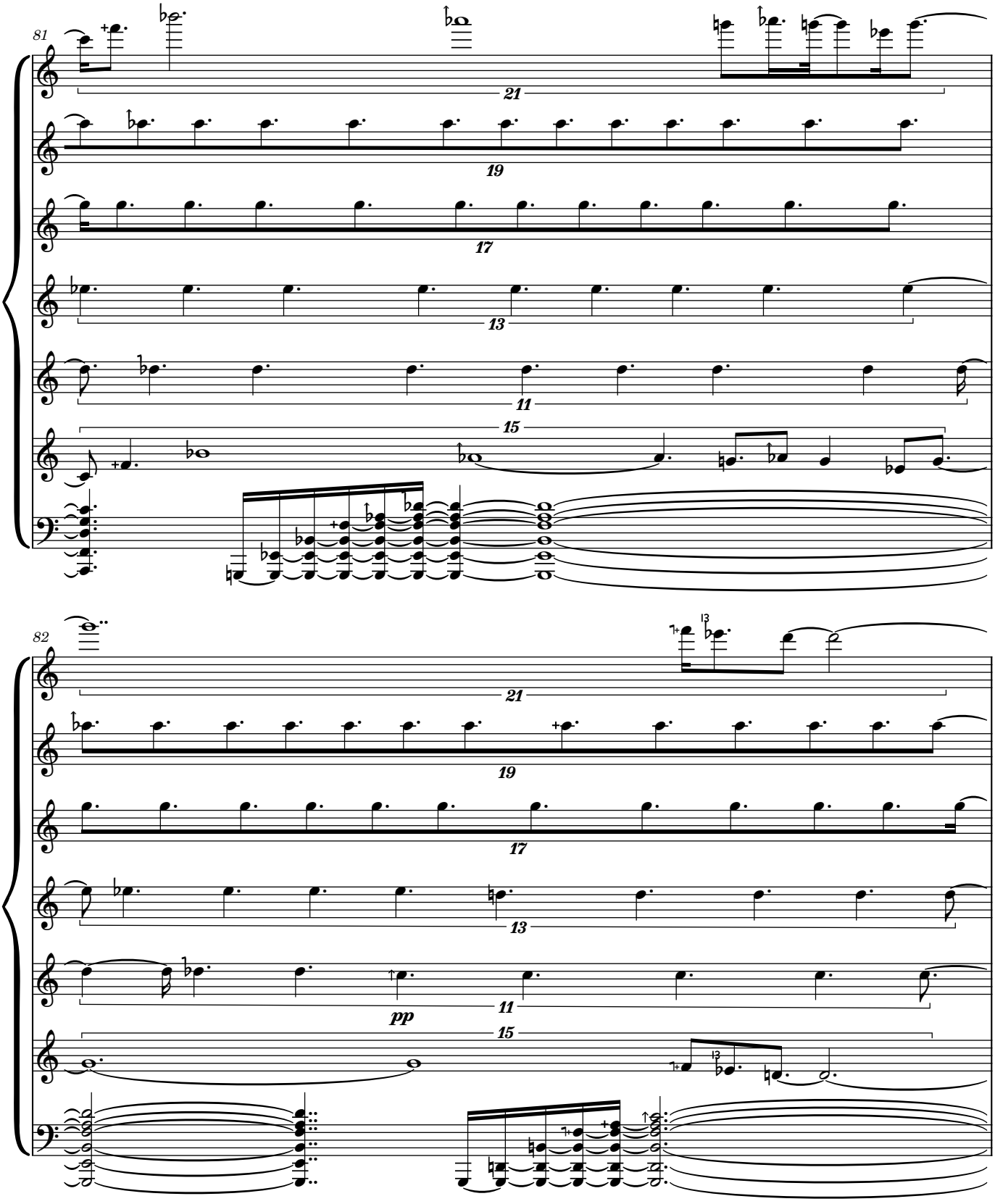

71
7
19
19
pp
17
17
pp
13
13
11
11
pp
5
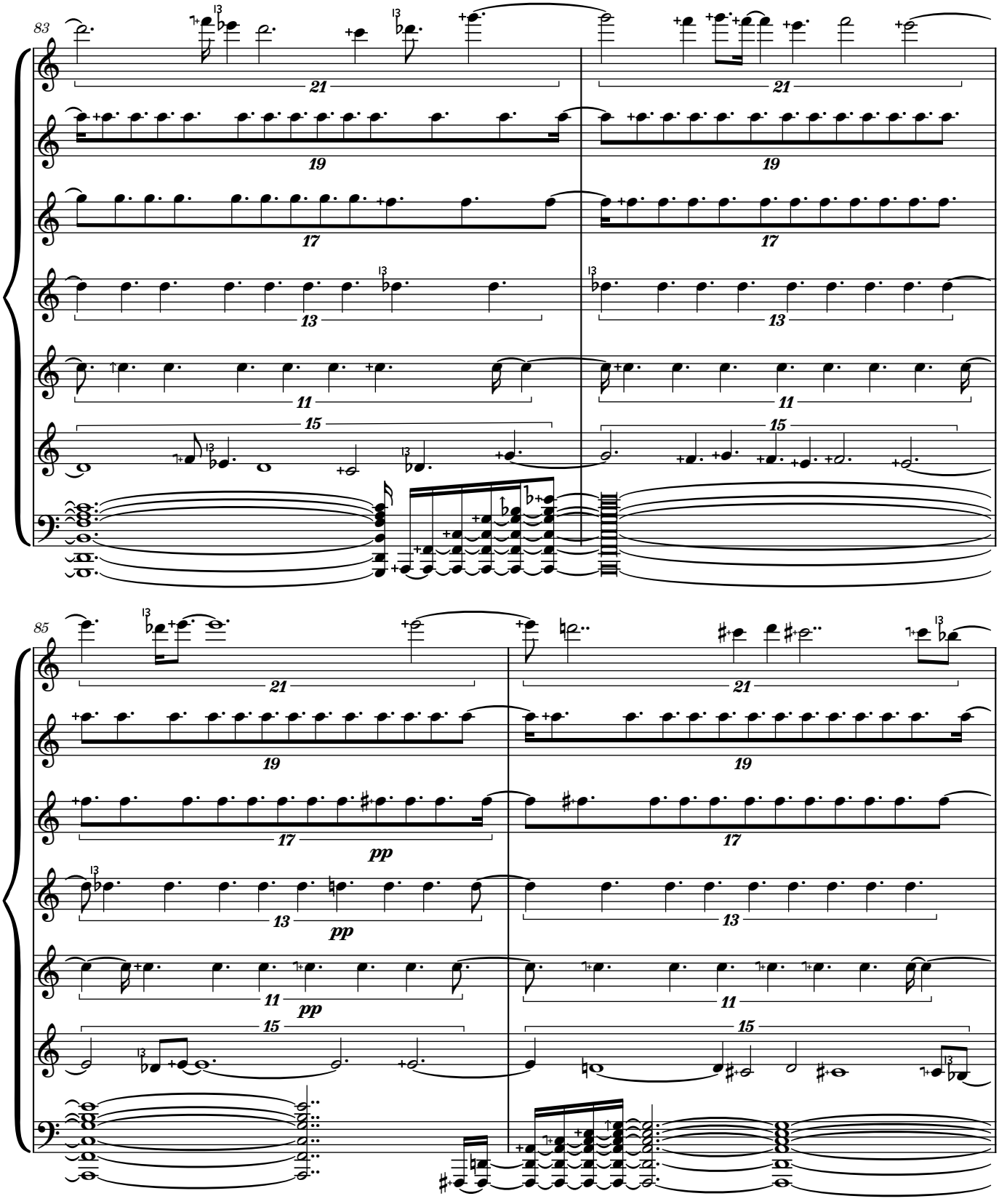

73
21
19
17
13
11
15
7
p
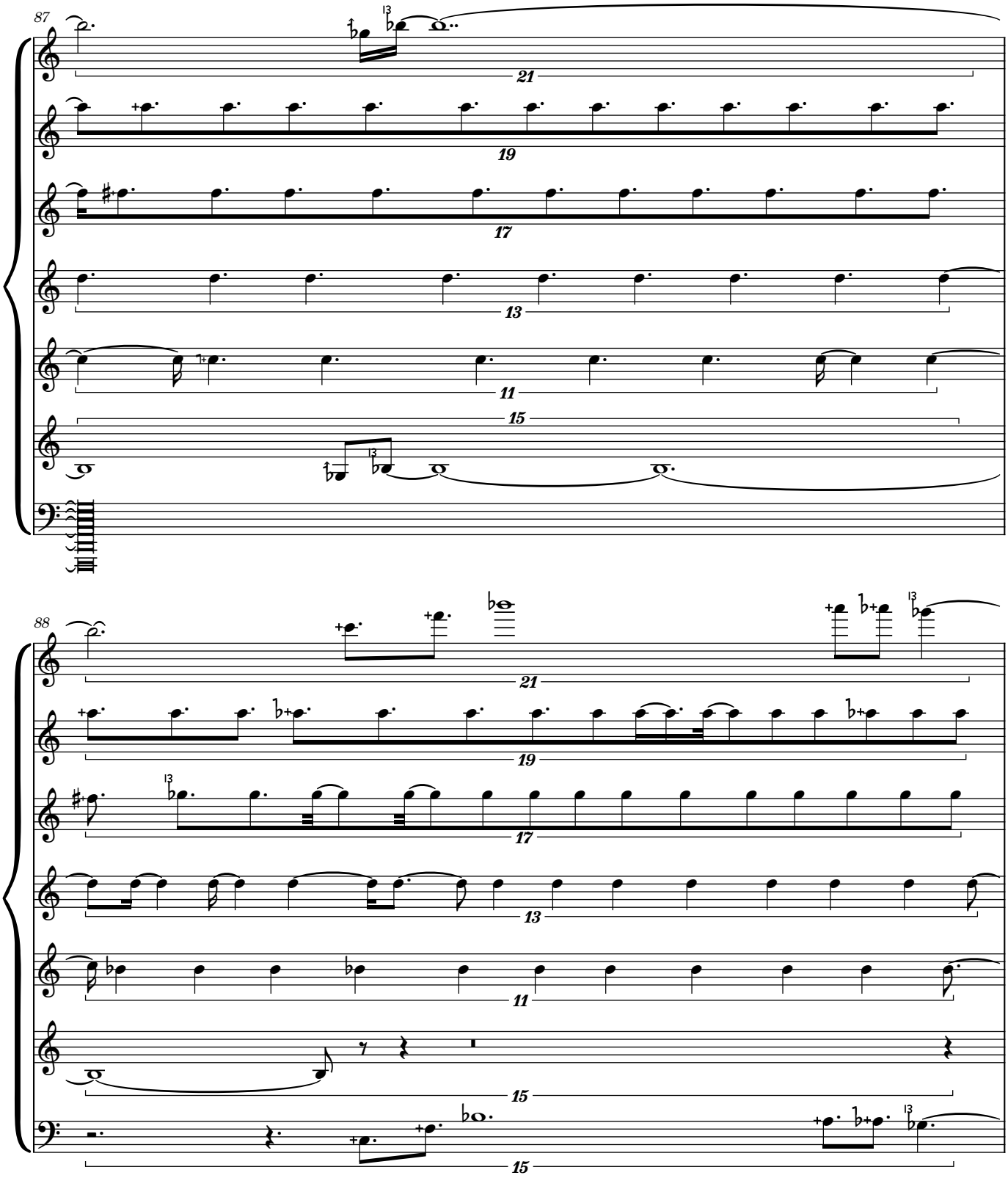

74
21
19
17
13
11
15
75
21
19
17
13
11
15
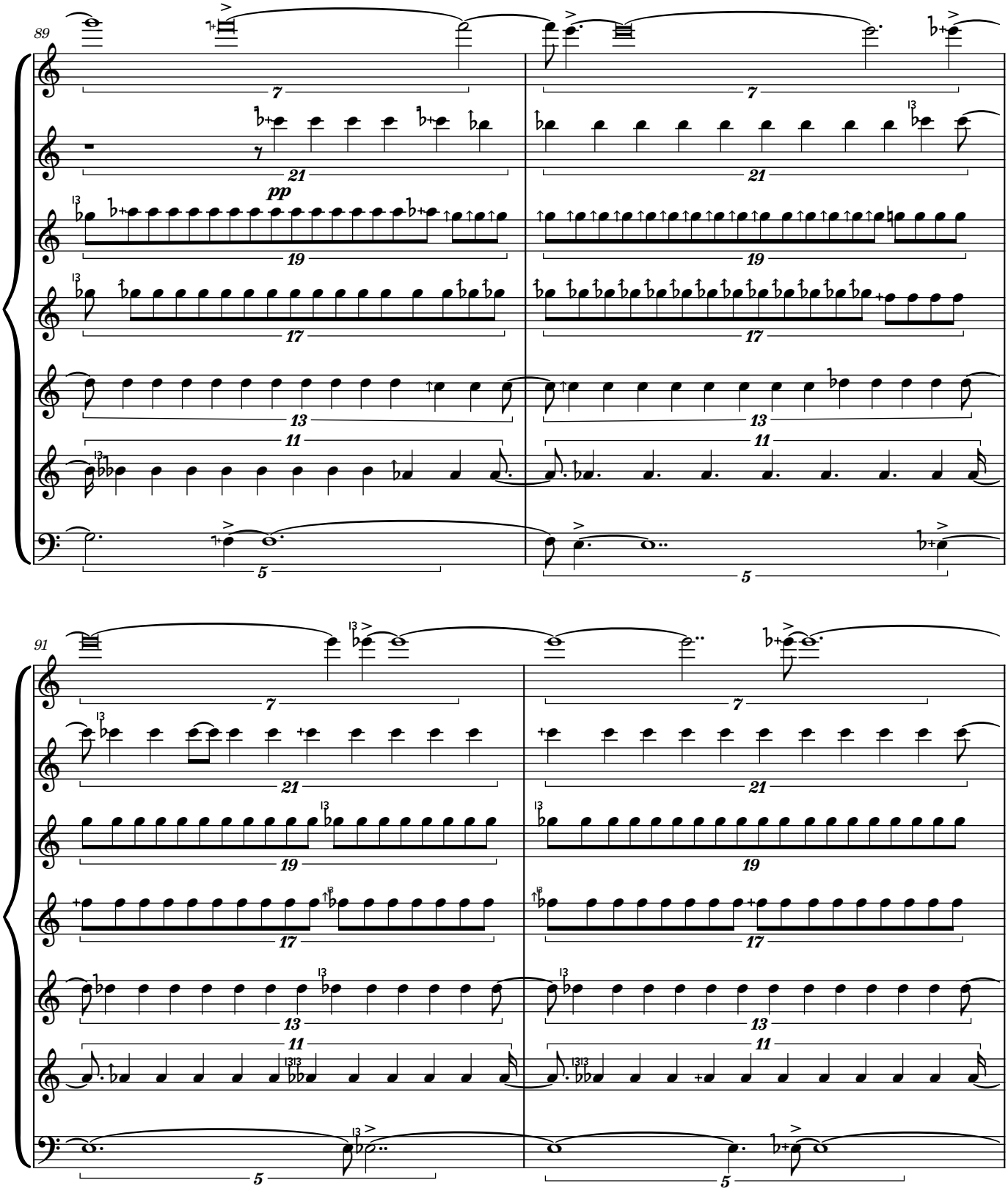

76
21
19
17
13
11
pp
15
77
21
19
17
13
11
15

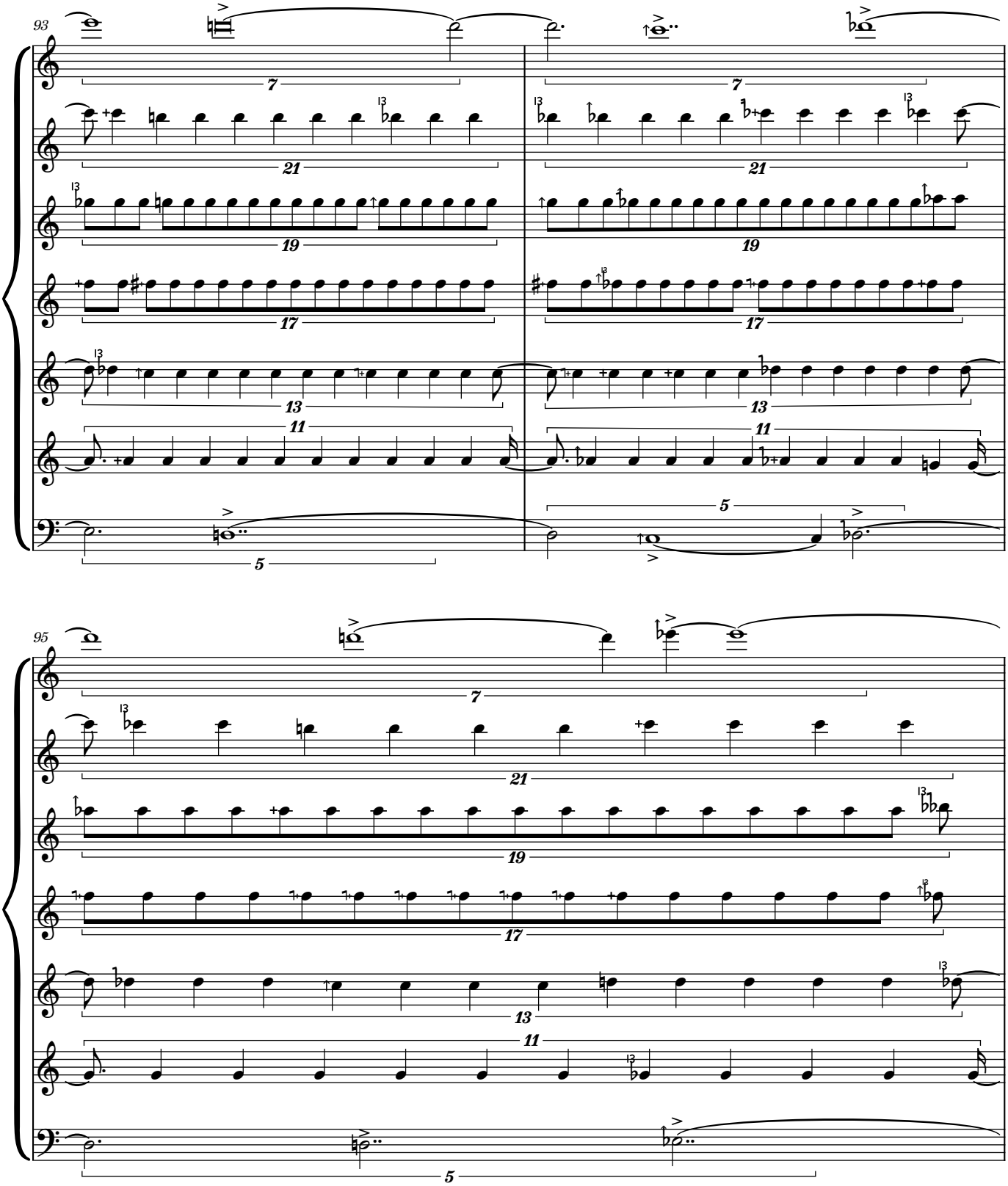

78
21
19
pp
17
13
pp
11
15
79
21
19
17
13
11
15
pp

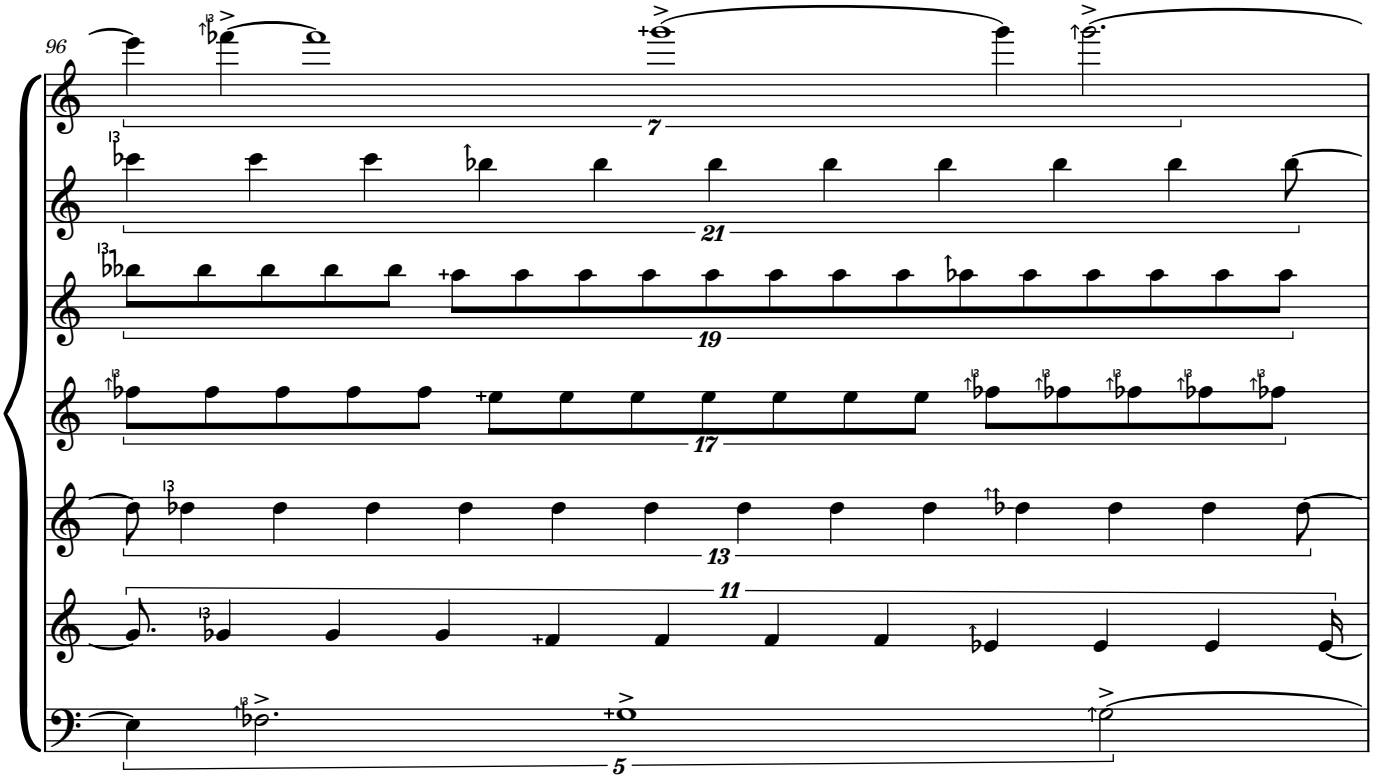

81
21
19
17
13
11
15
82
21
19
17
13
pp
11
15

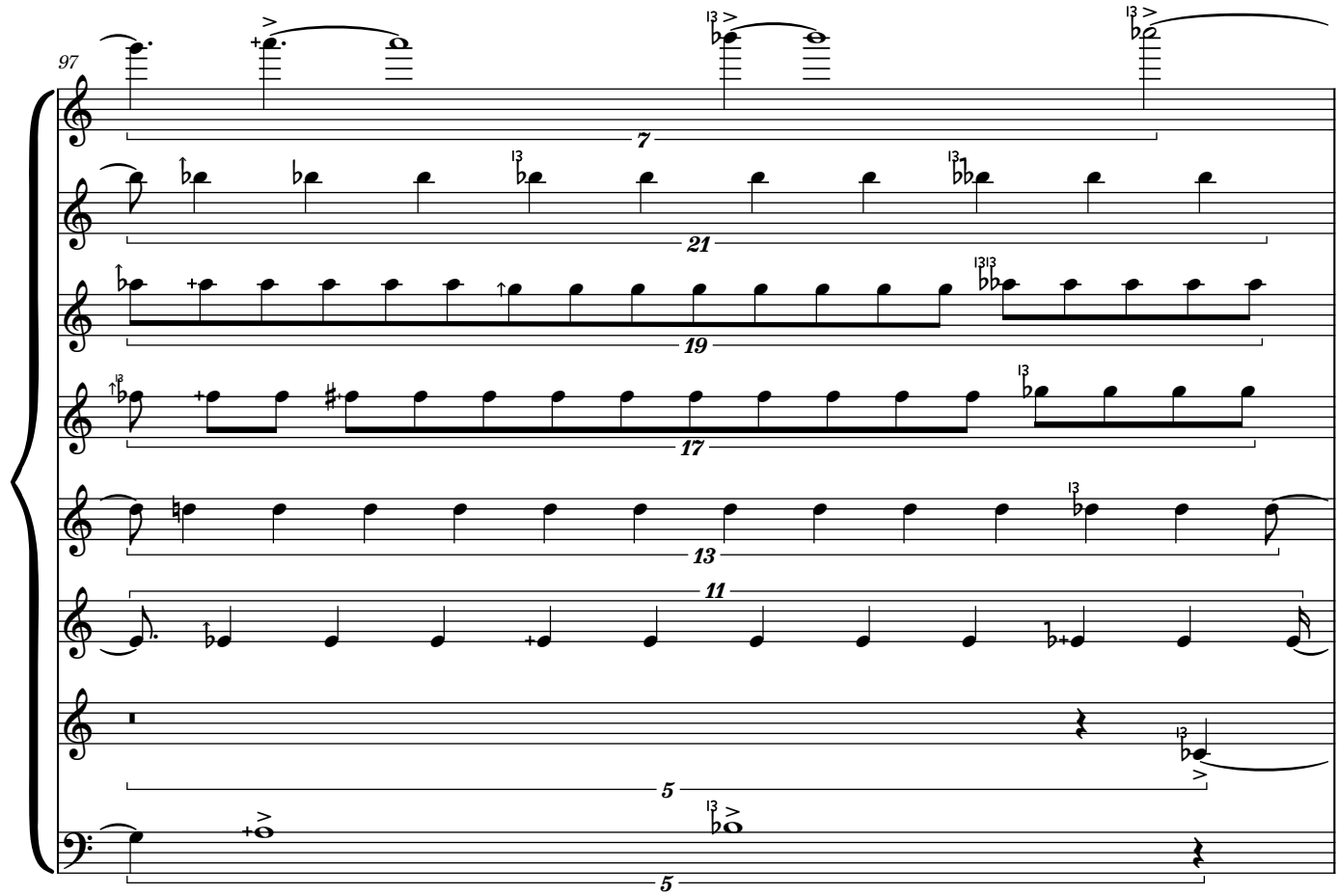

83
21
19
17
13
11
15
85
pp
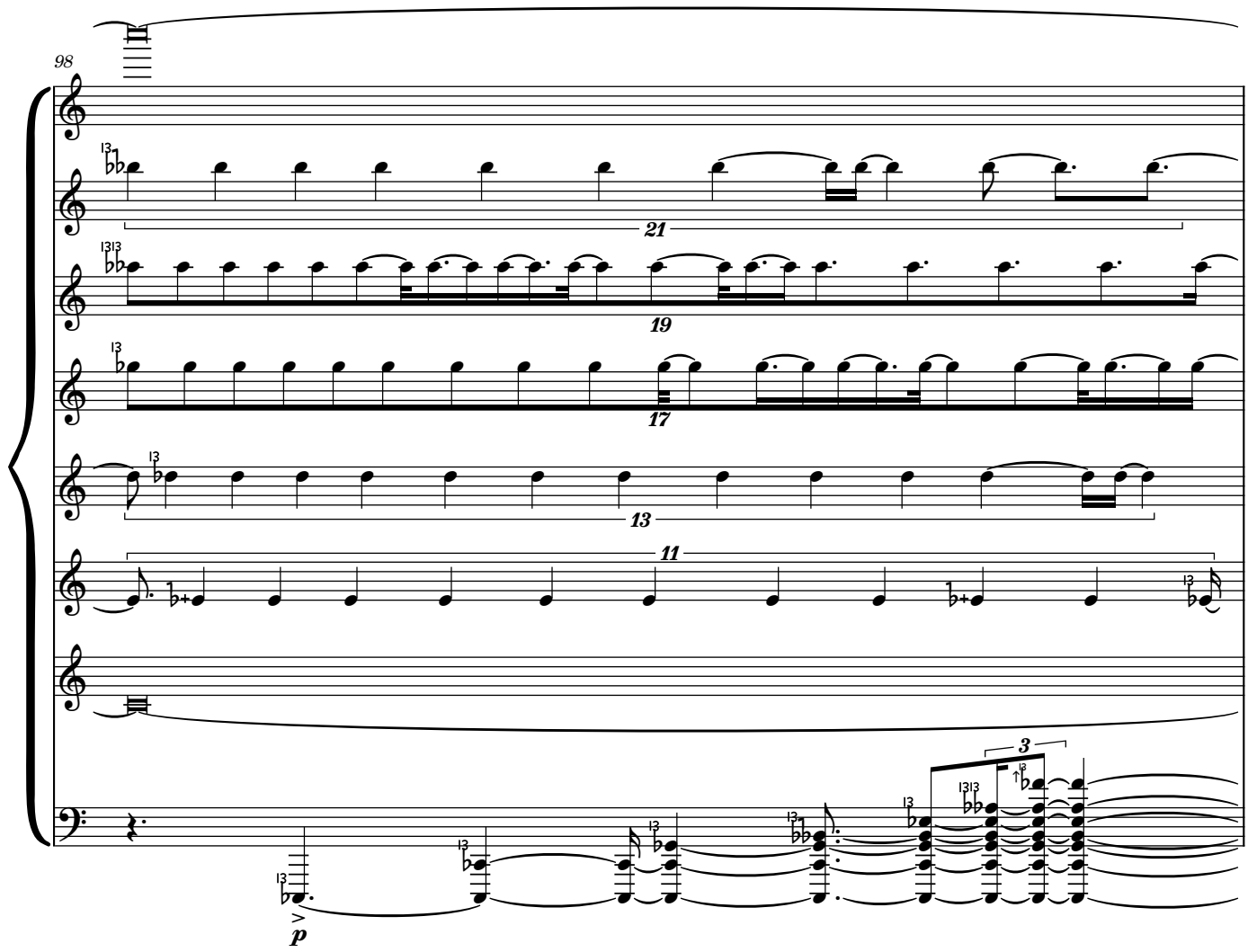

87
21
19
17
13
11
15
88
21
19
17
13
11
15
15

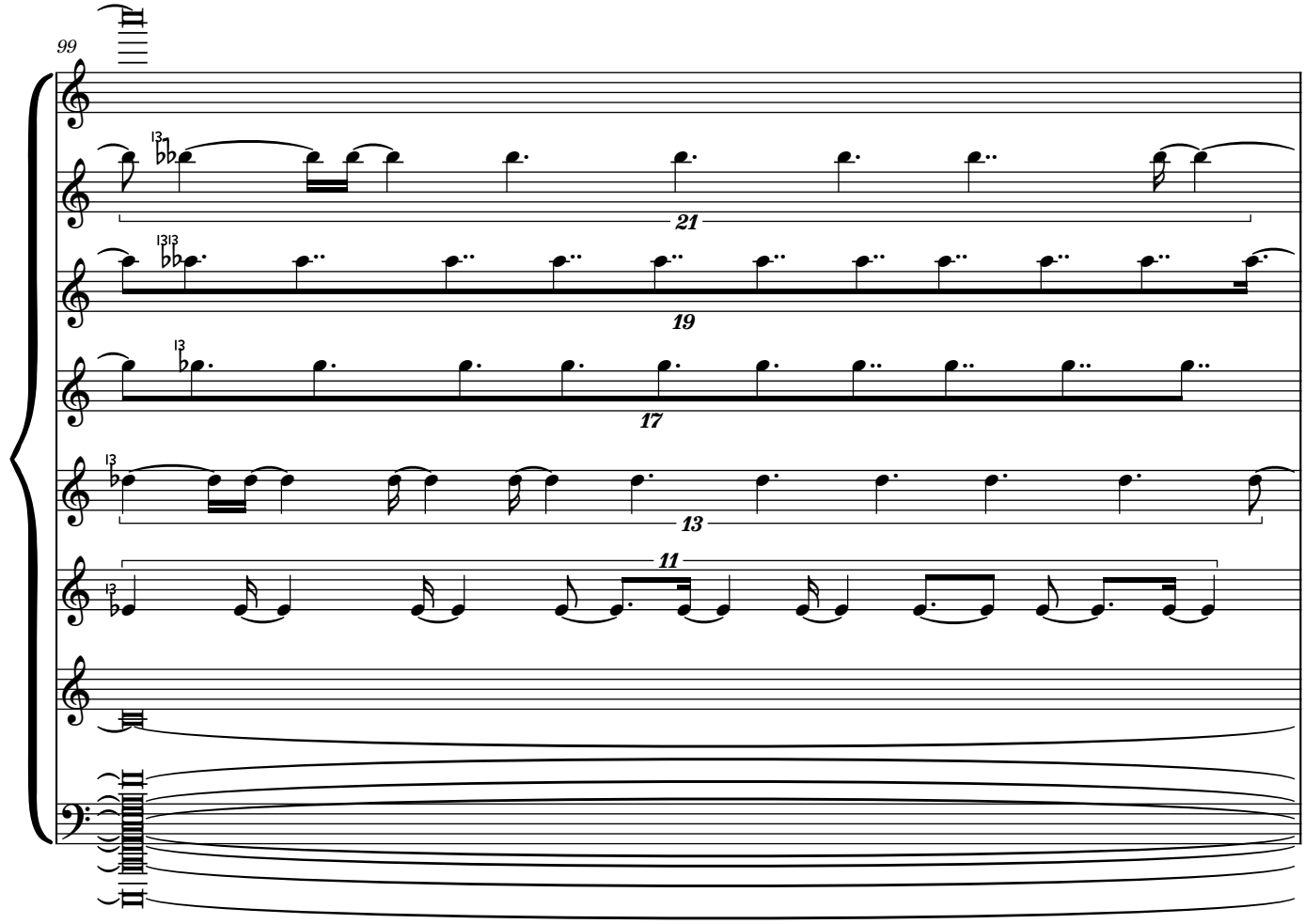

89
pp
91
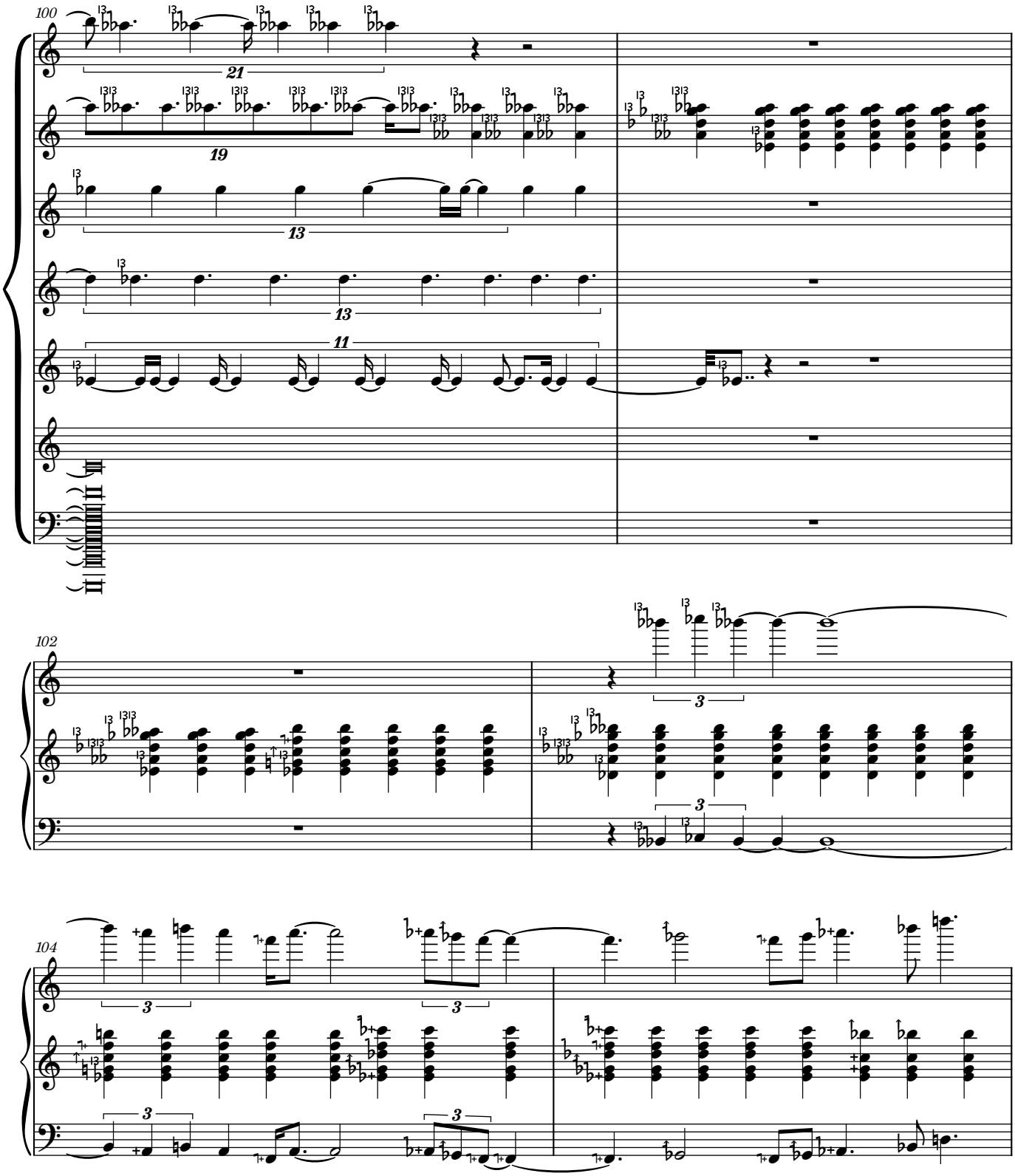

93
7
21
19
17
13
11
5
95
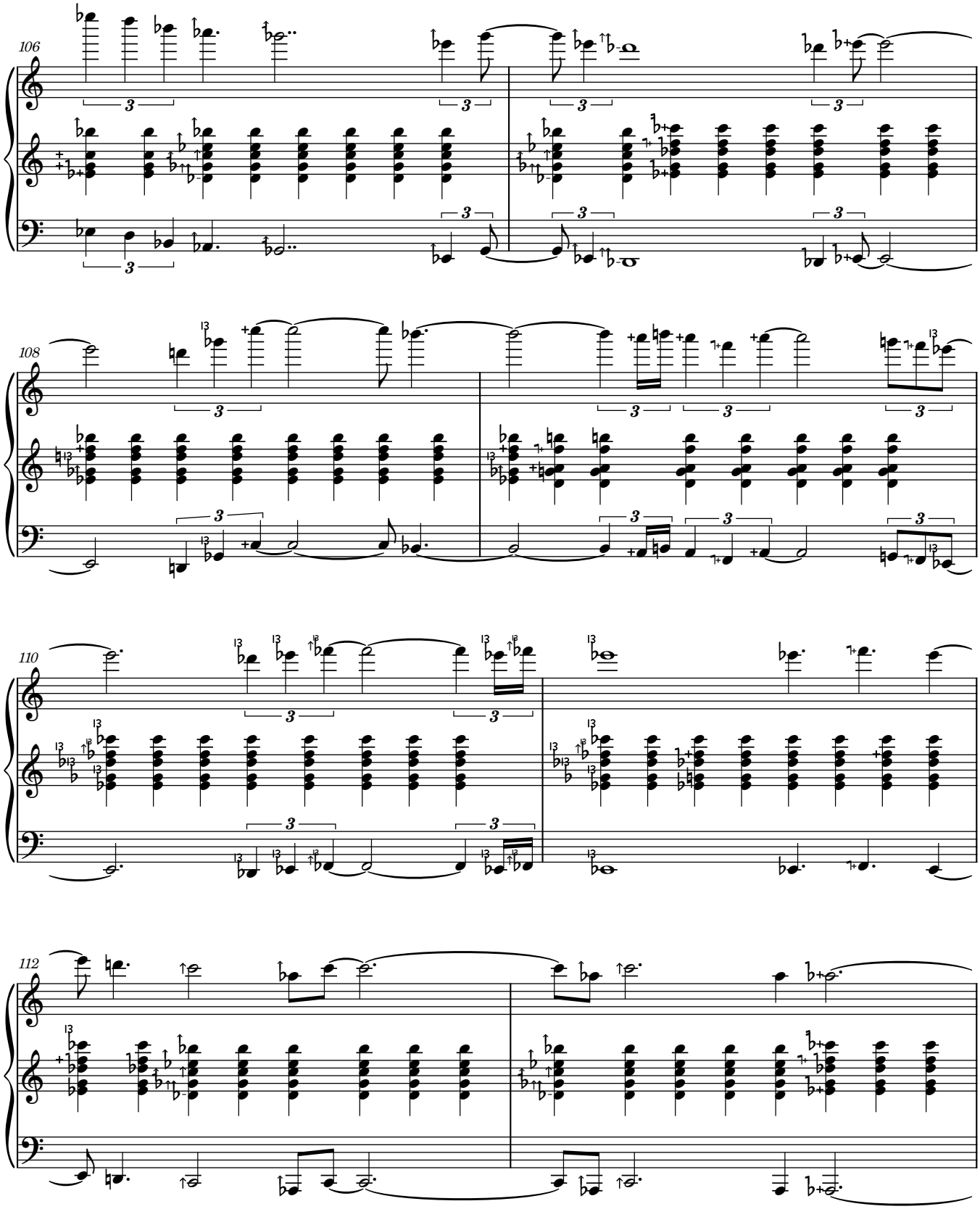

96
7
21
19
17
13
11
5
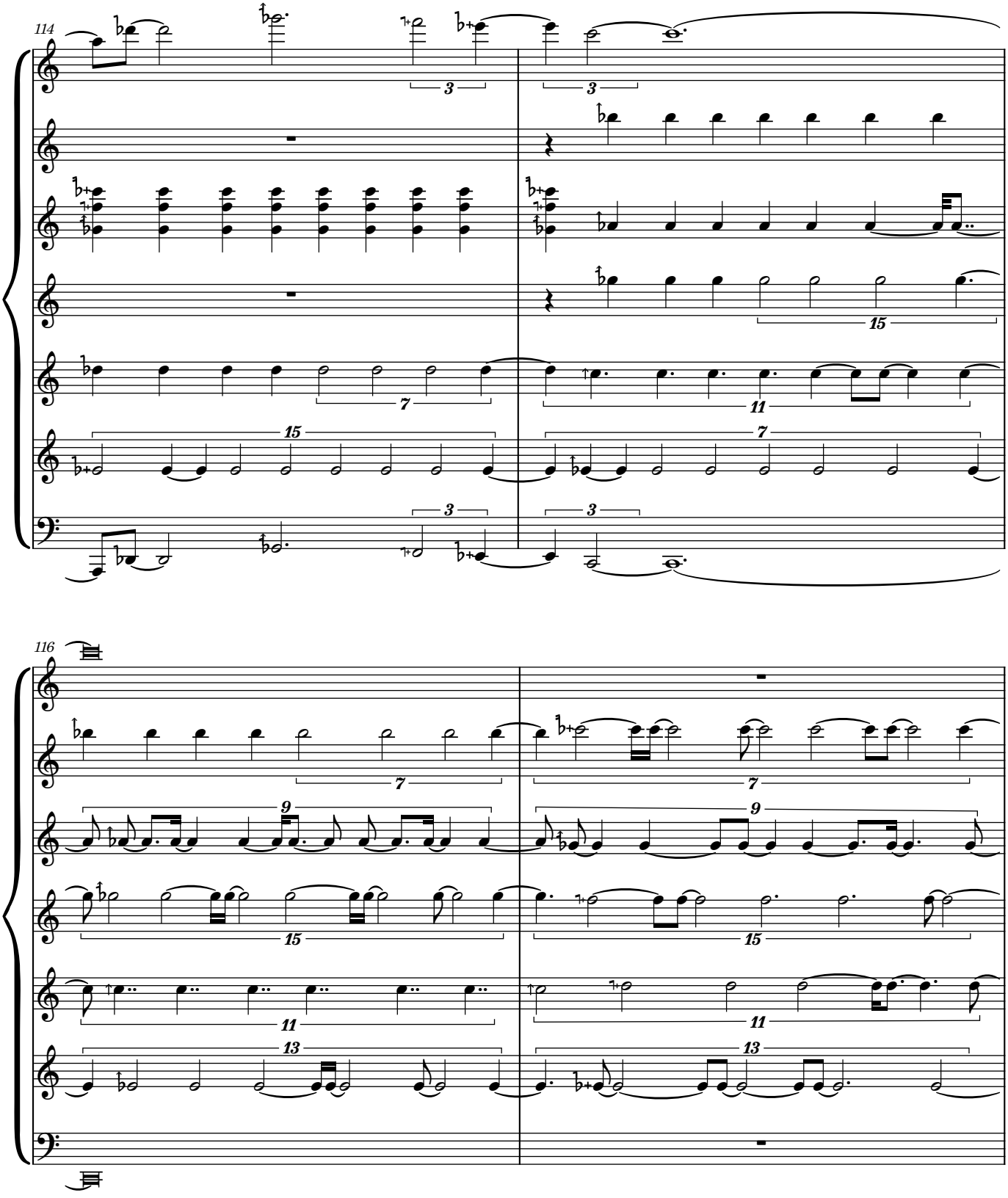

97
7
21
19
17
13
11
5
5
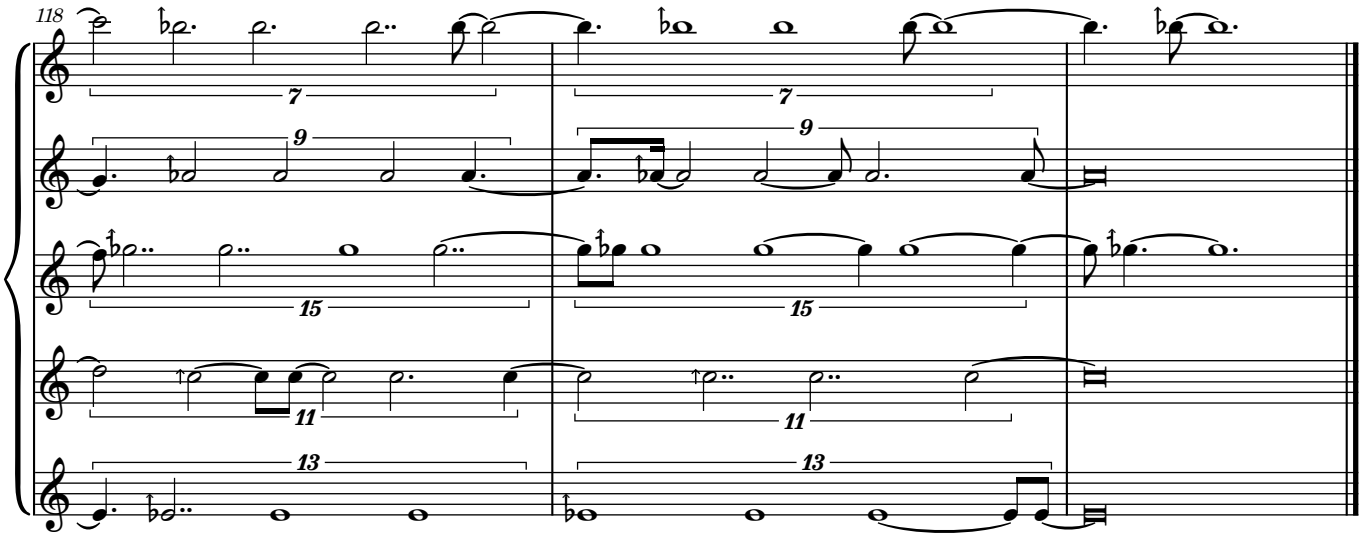

98
21
19
17
13
11
3
p


99
21
19
17
13
11


100
21
19
13
13
11
102
3
3
104
3
3
3
3


106
108
110
112
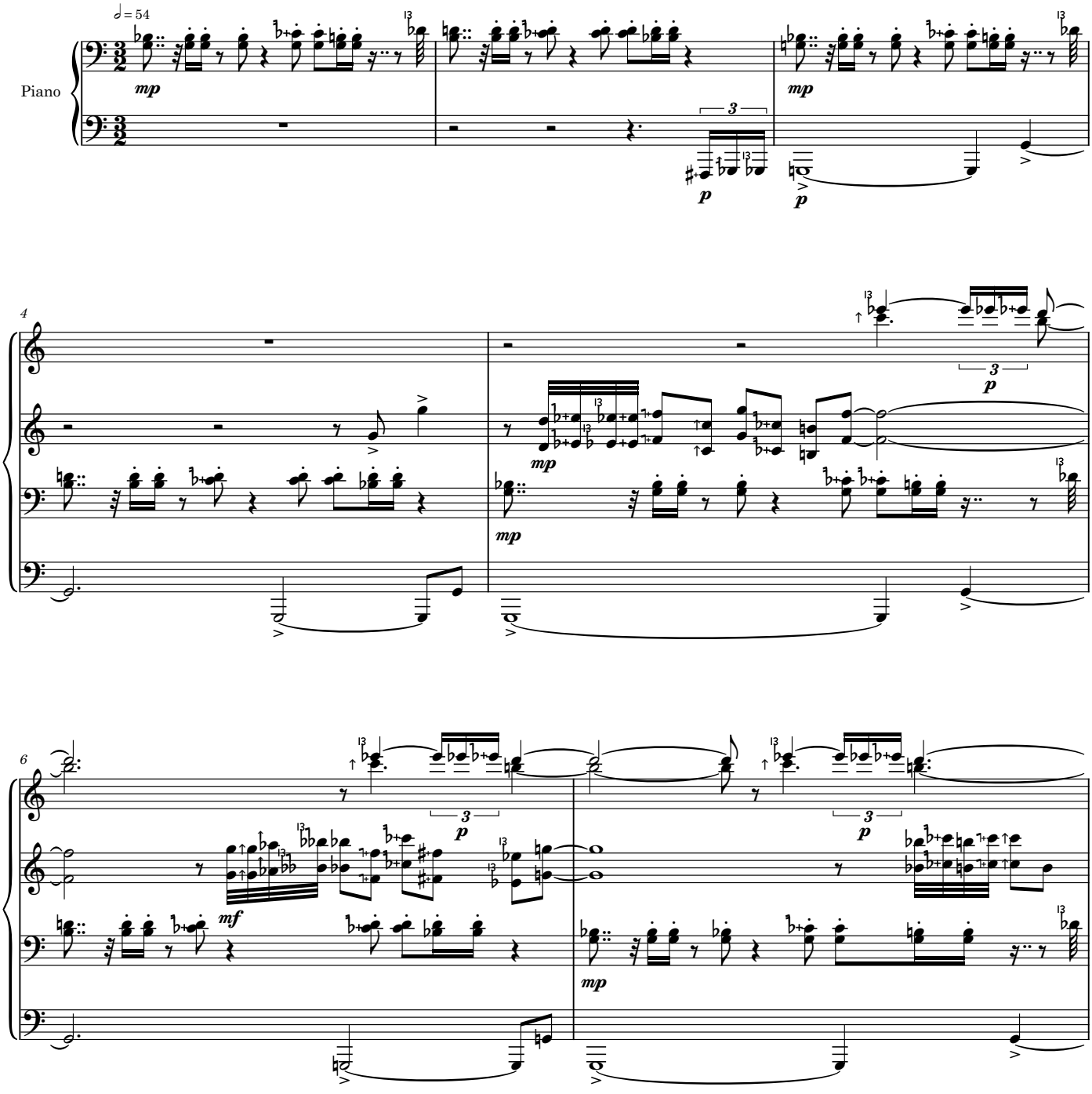

114
3
3
15
7
11
7
3
3
116
7
7
9
9
15
15
11
11
13
13



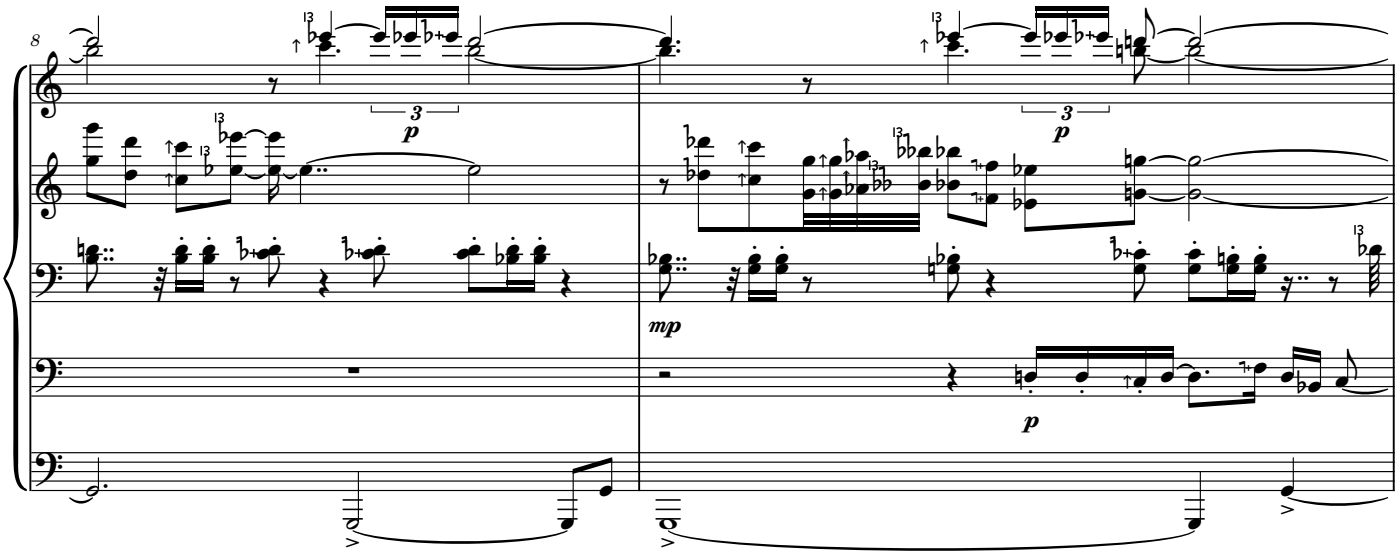
June 15-21, 2016
from a summer 2015 sketch
Germantown, NY
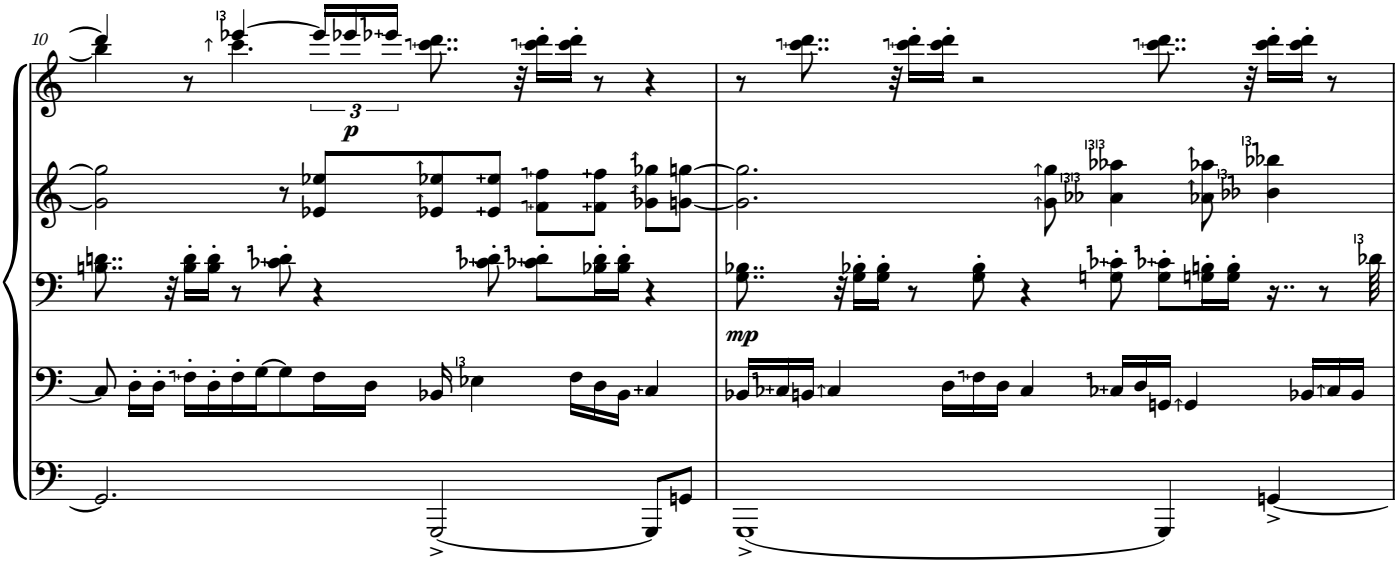
Busted Grooves
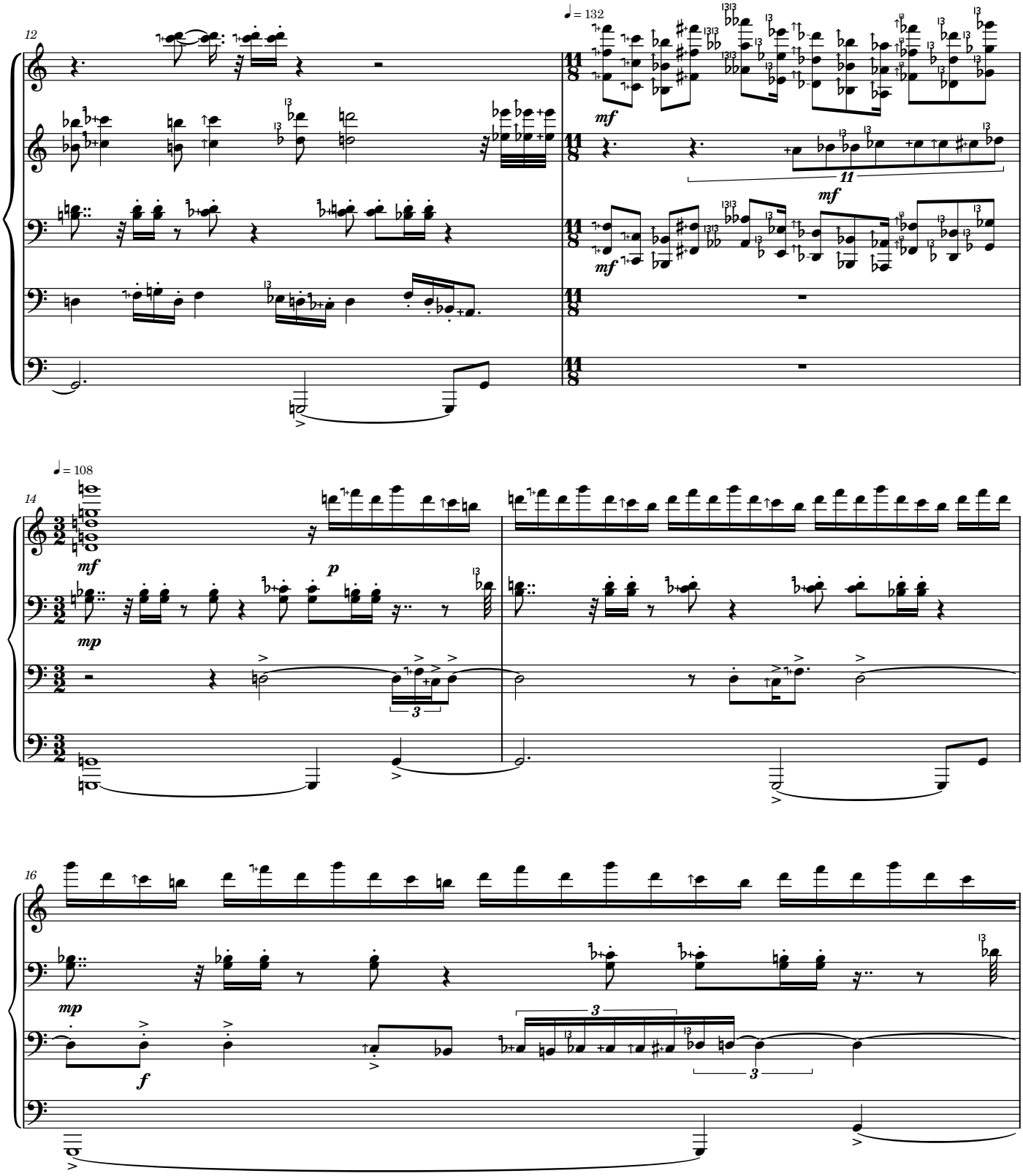
Kyle Gann
2017
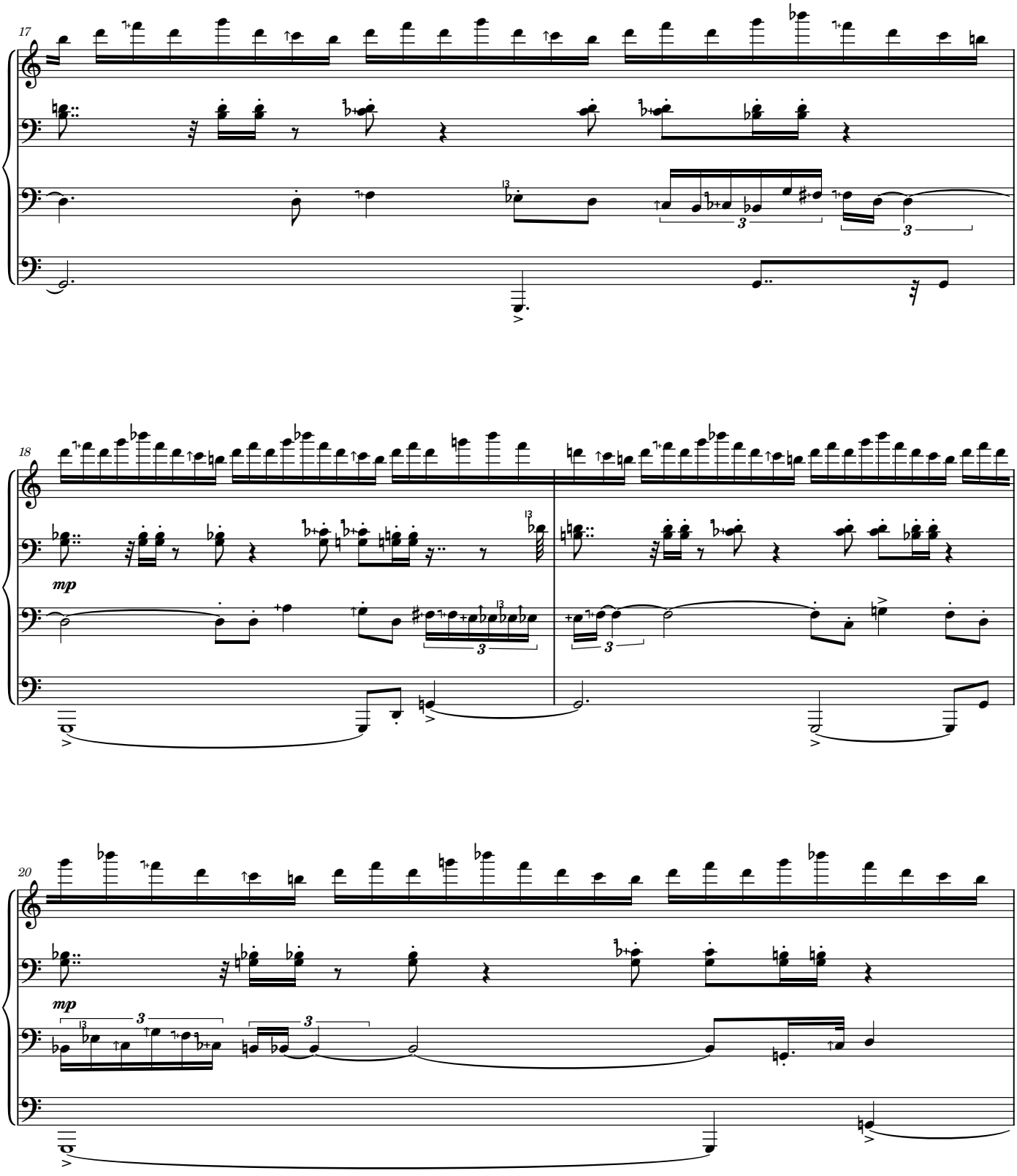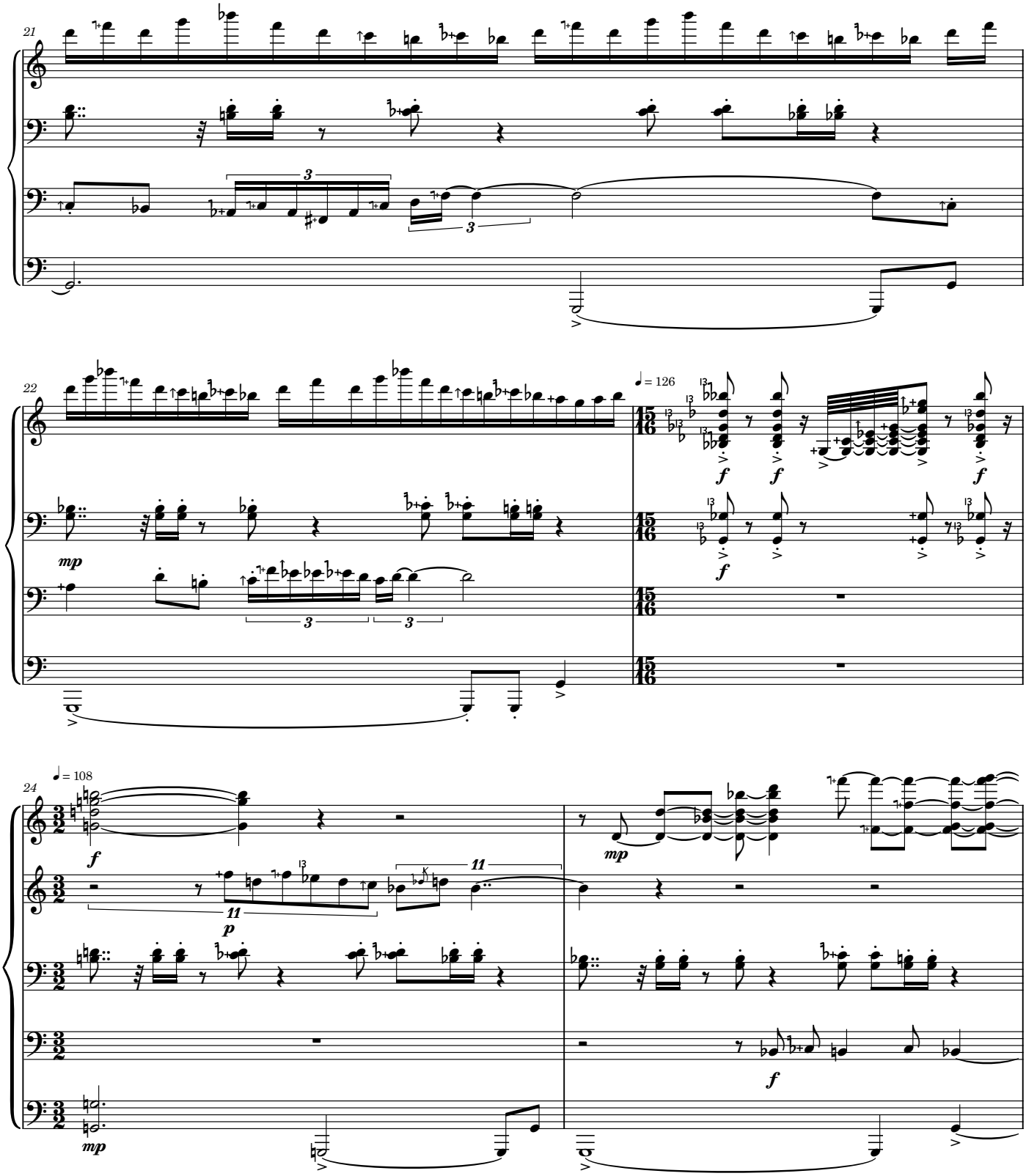


© 2017 Smith Grabholz Music
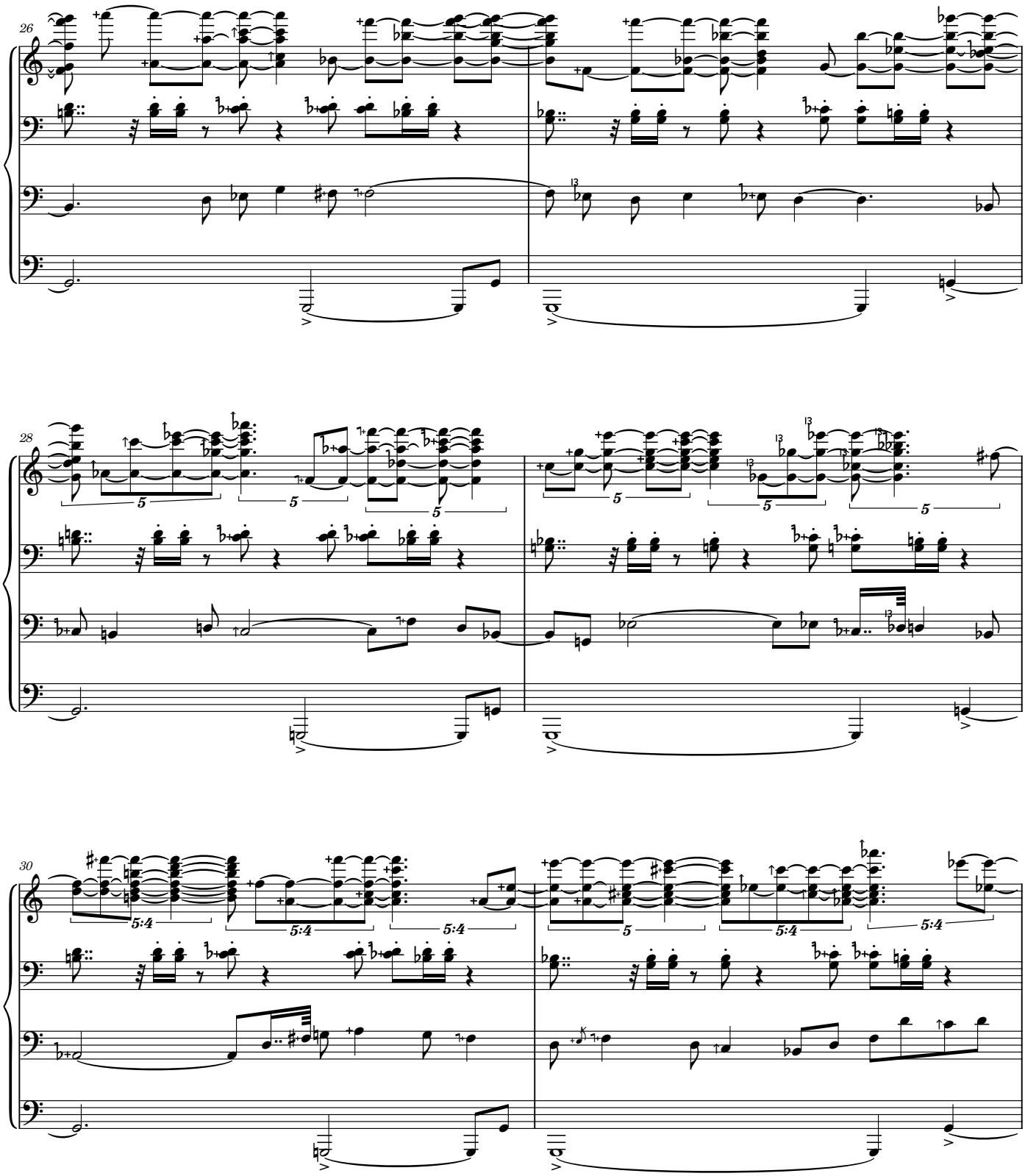

8
3
p
3
p
mp
p

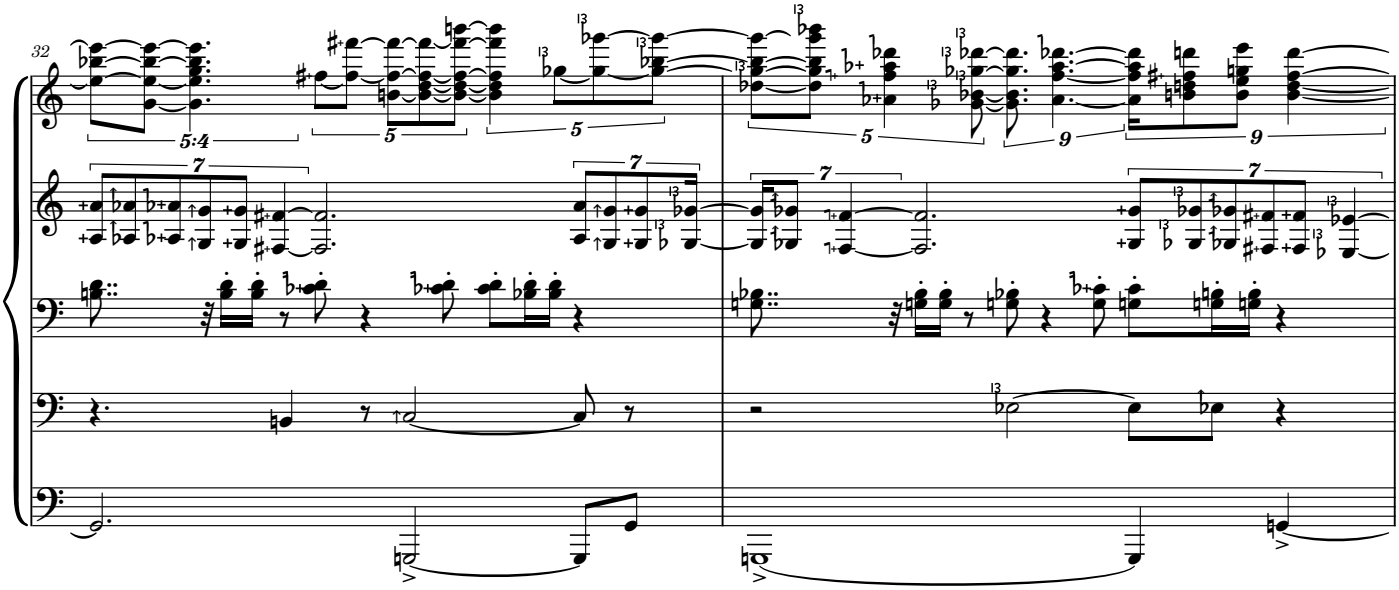

10
3
p
mp
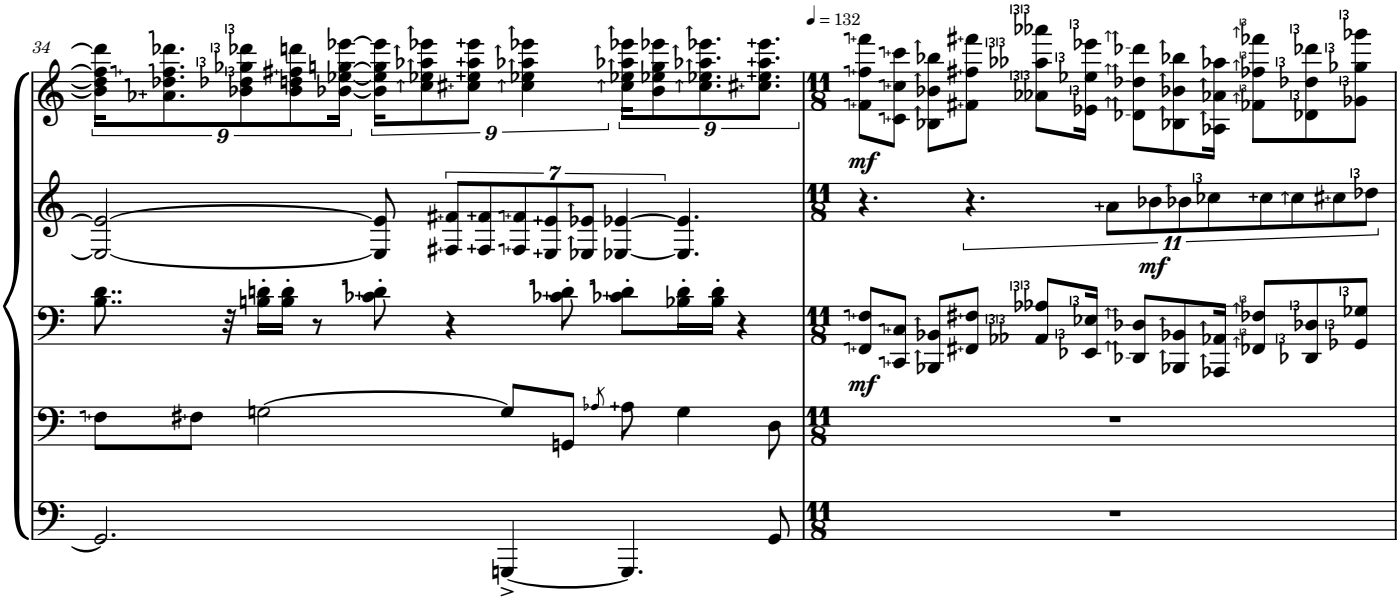

12
♩ = 132
mf
11
mf
mf
14
♩ = 108
mf
p
mp
3
16
mp
f
3
3
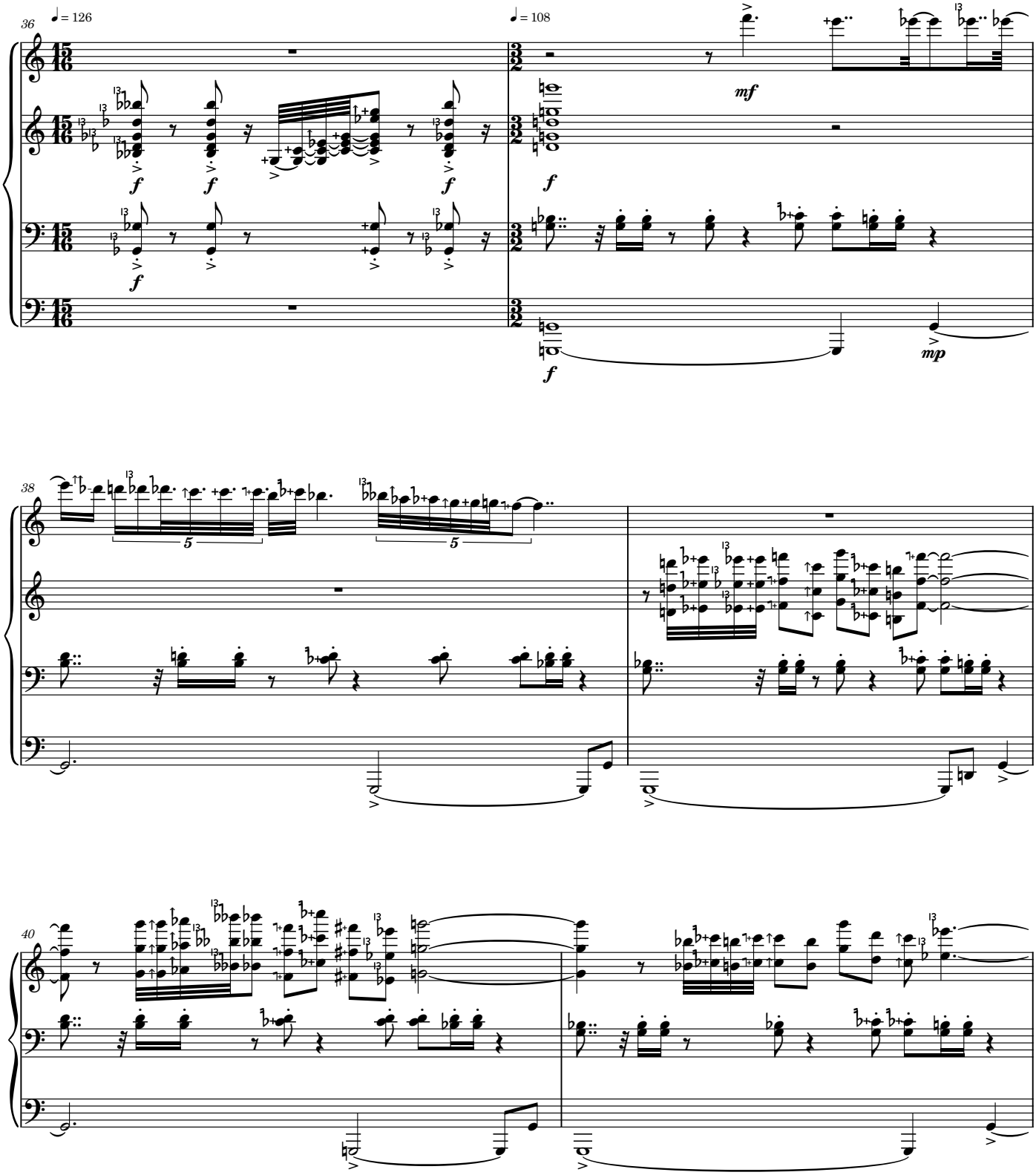

17
18
mp
20
mp
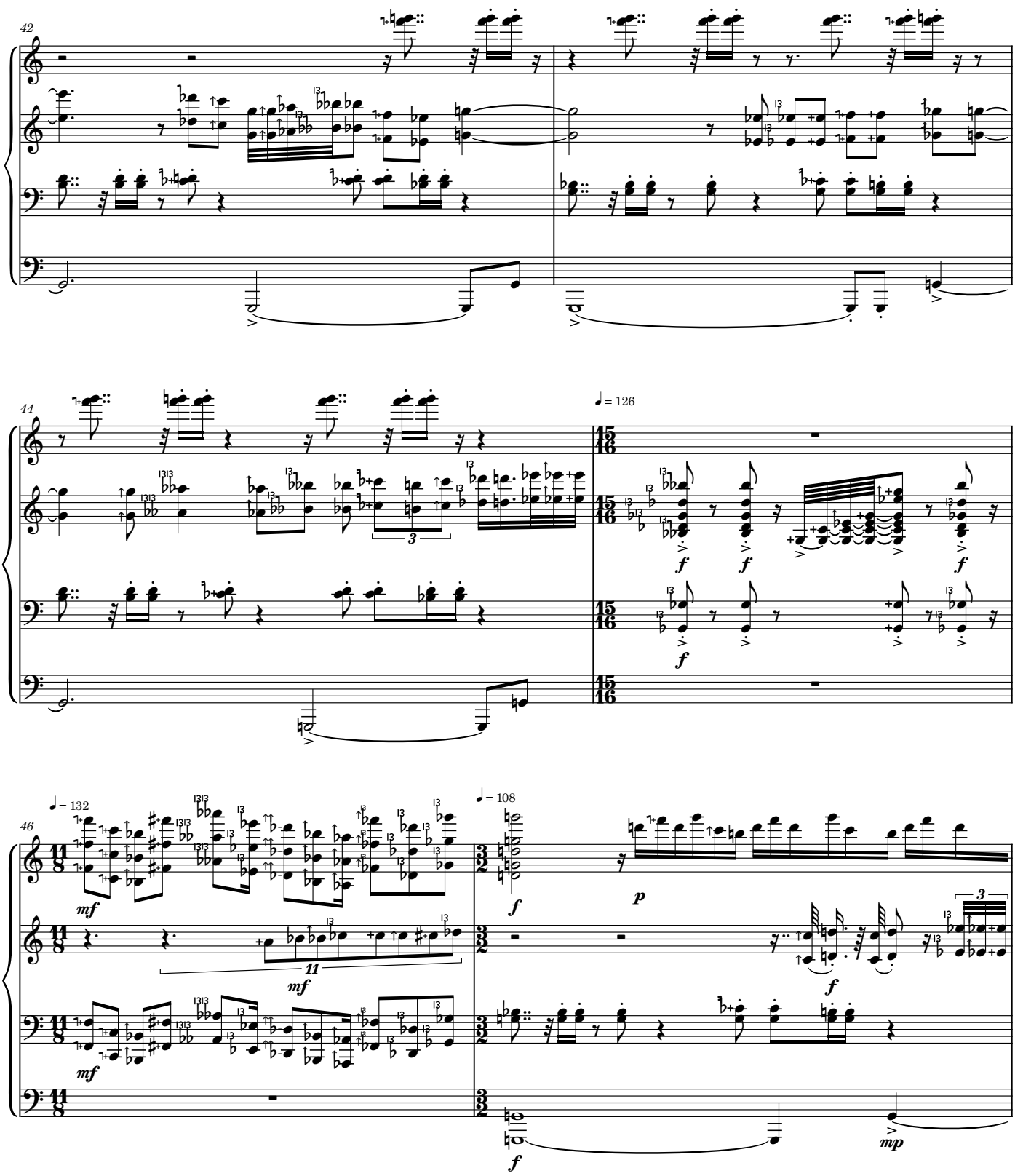

21
22
♩ = 126
24
♩ = 108

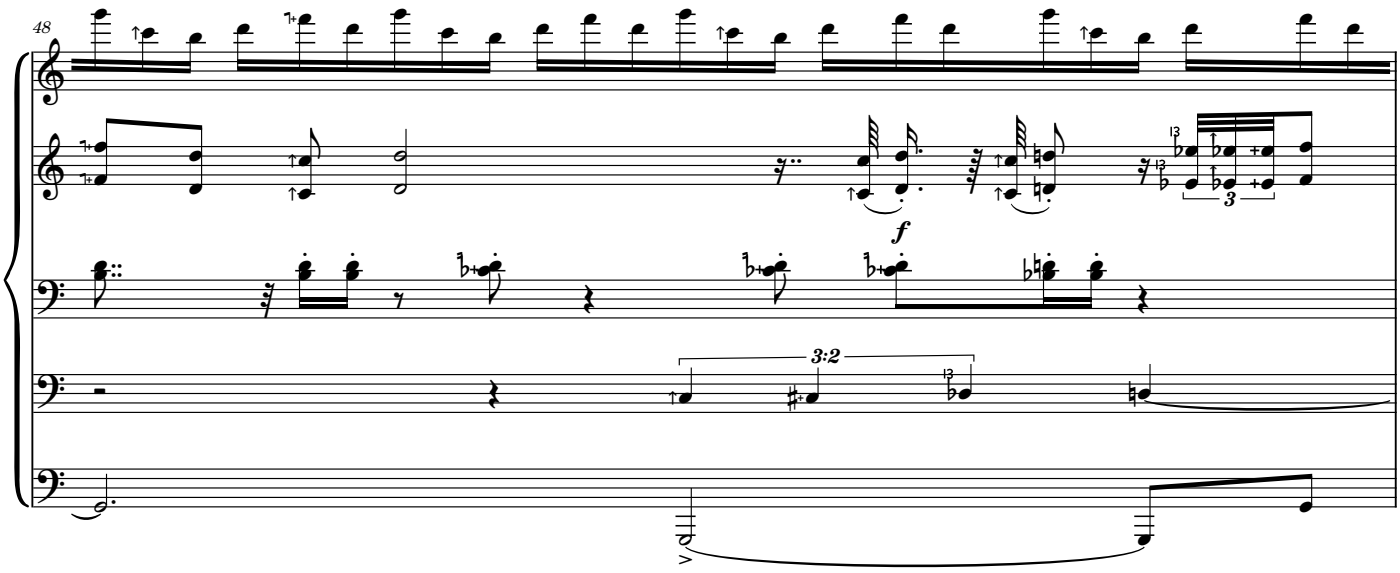

26
28
30
5
5:4

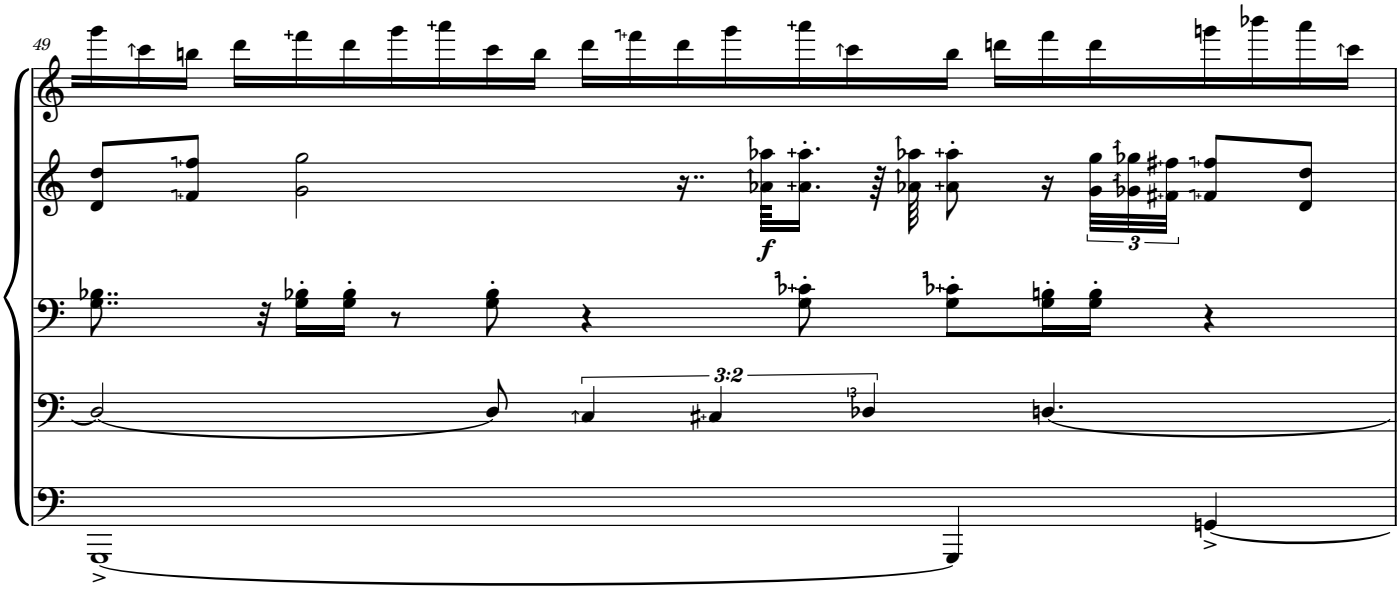

32
5:4
5
5
7
7
5
9
9
7
7

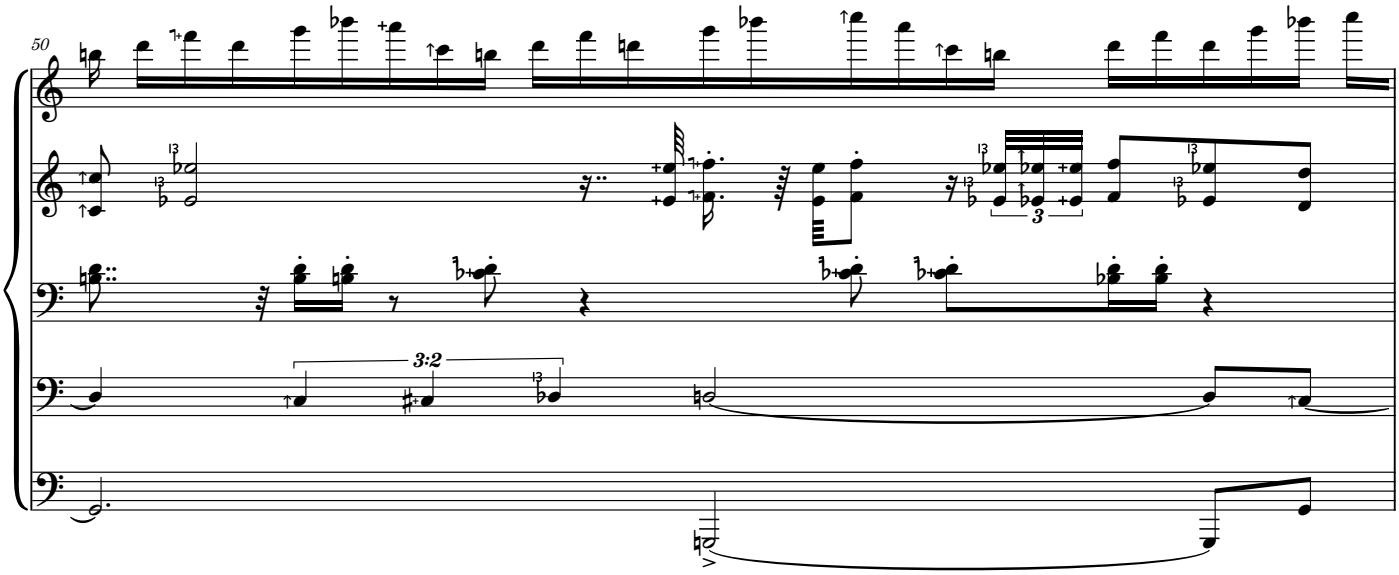

34
9
9
9
7
♩ = 132
mf
11
mf
mf

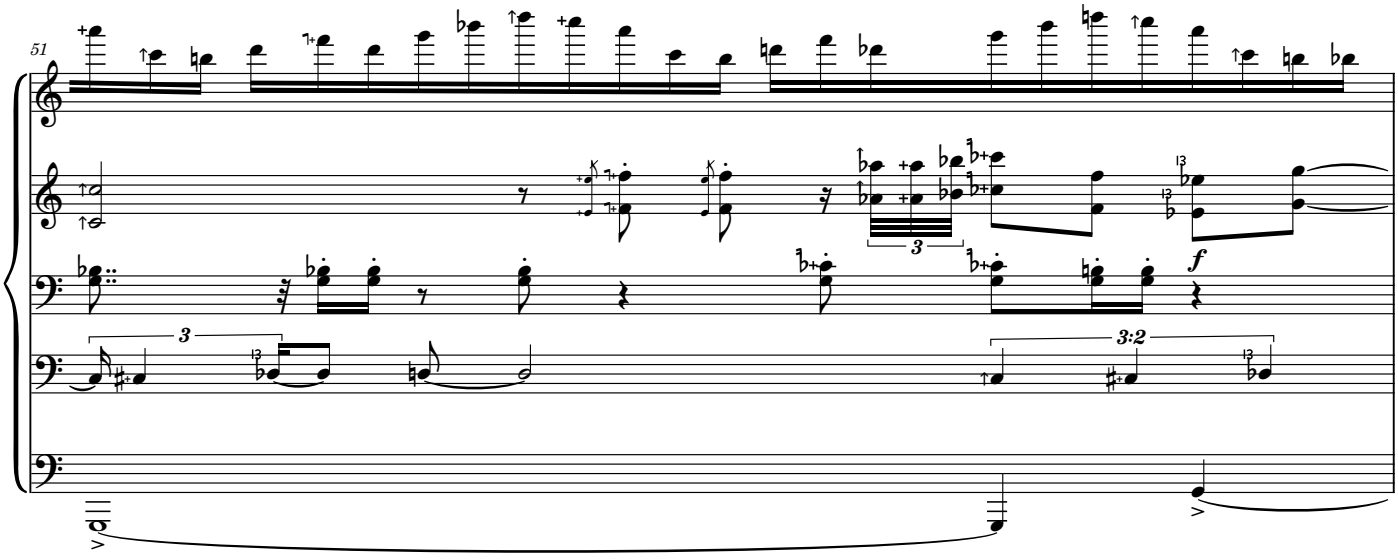

36
♩ = 126
♩ = 108
38
40
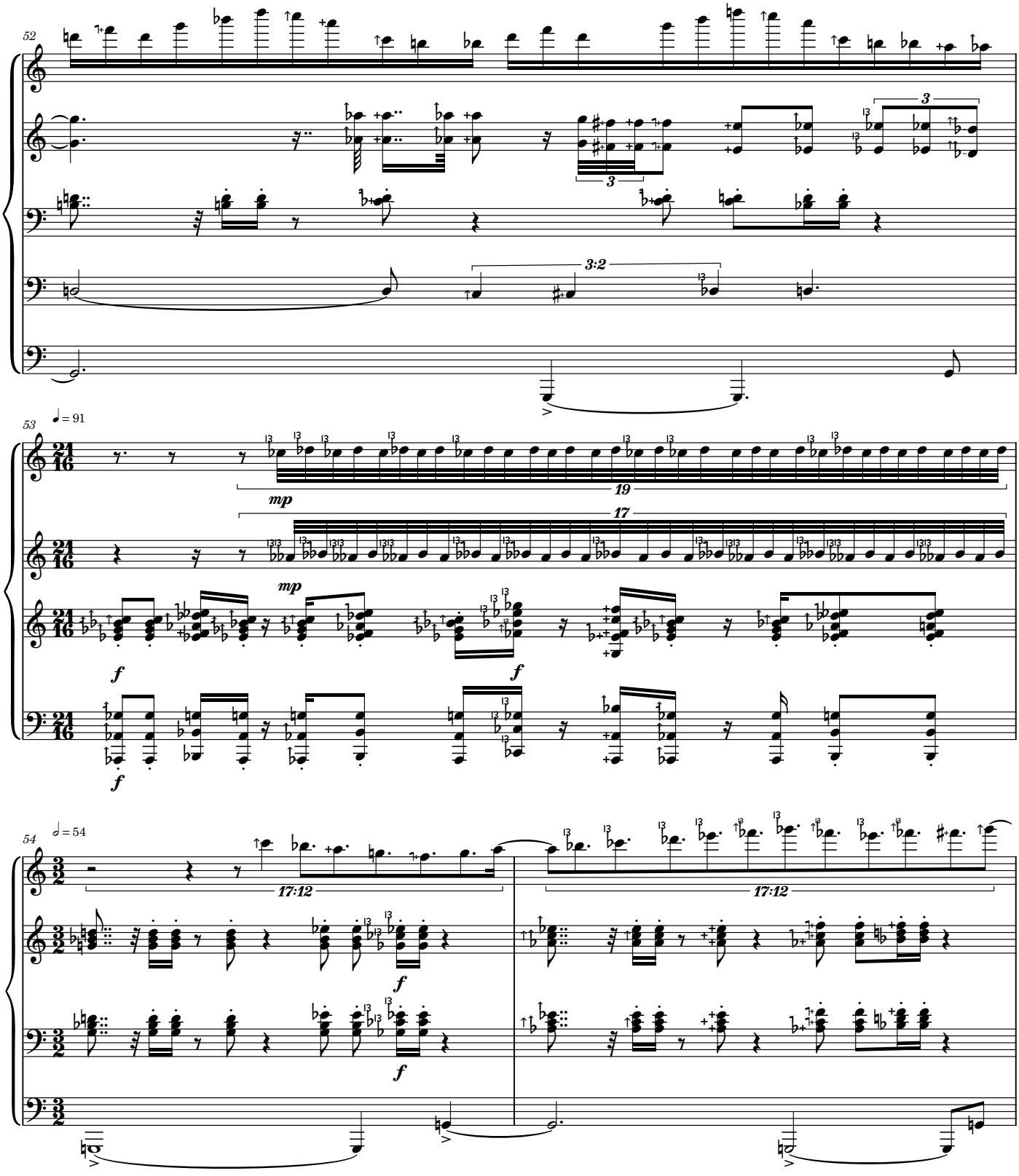

42
44
♩ = 126
15/16
46
♩ = 132
11/8
mf
11
♩ = 108
3/2
f
p
mp
3

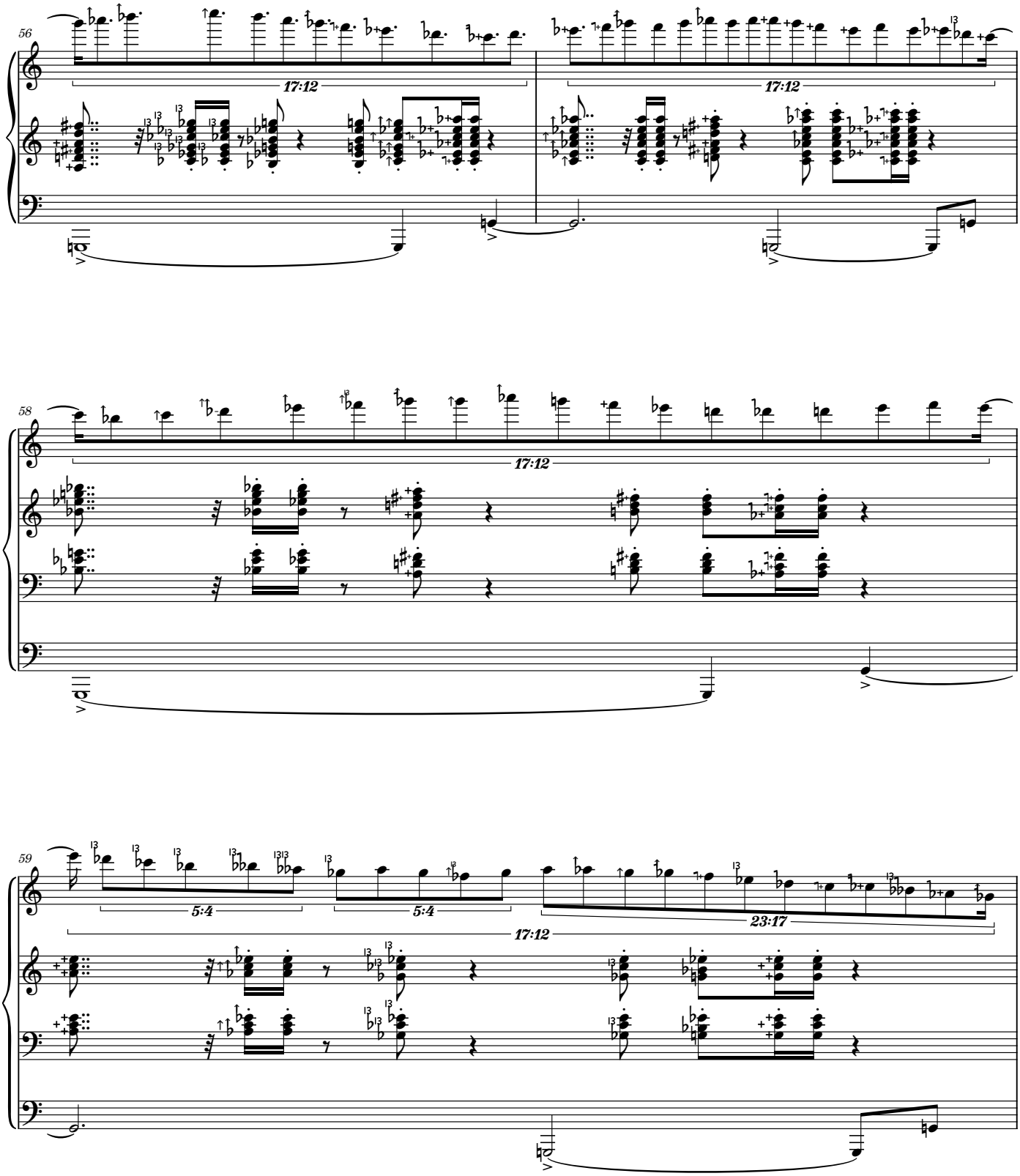

48
f
3:2
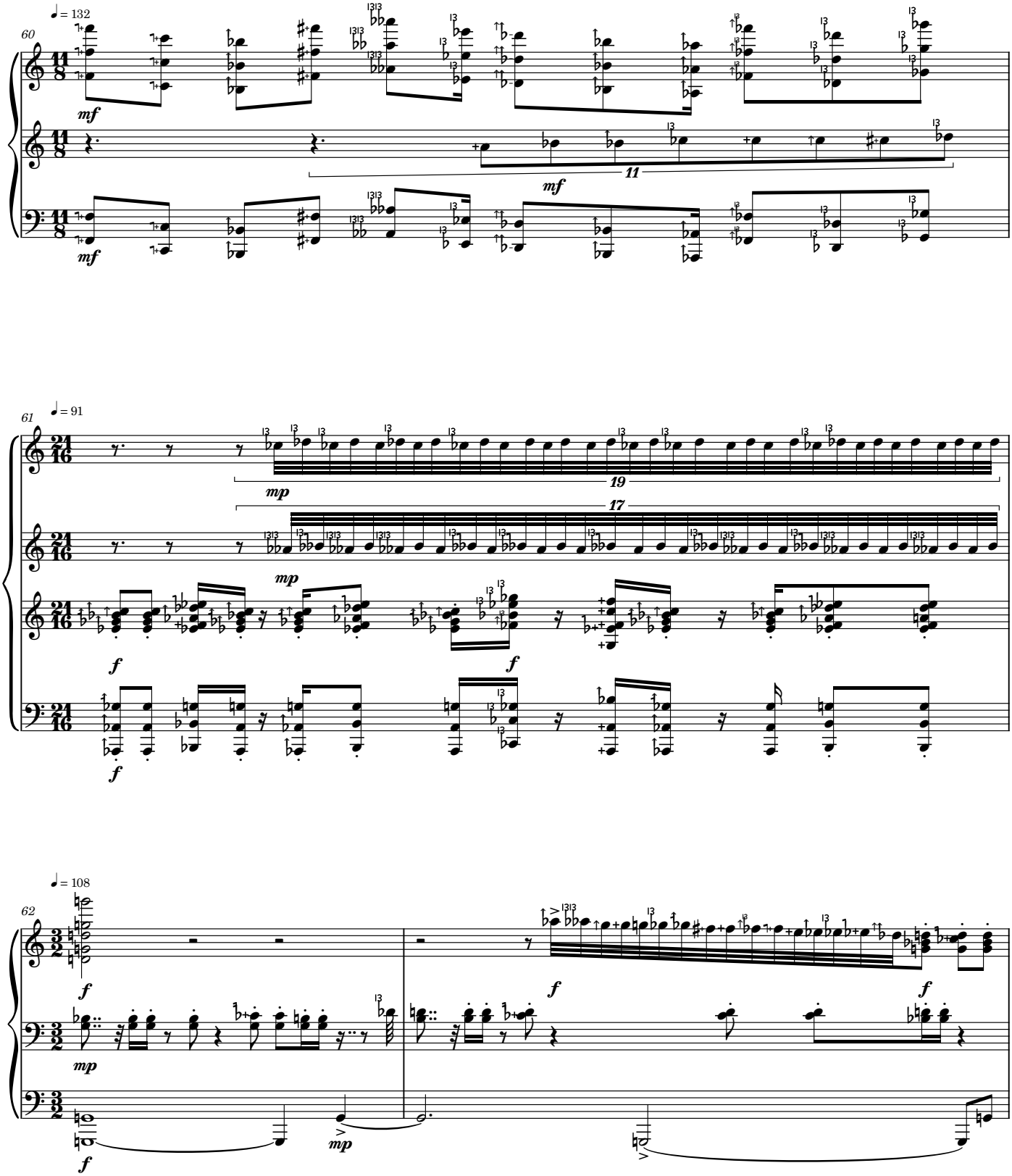

49
f
3:2

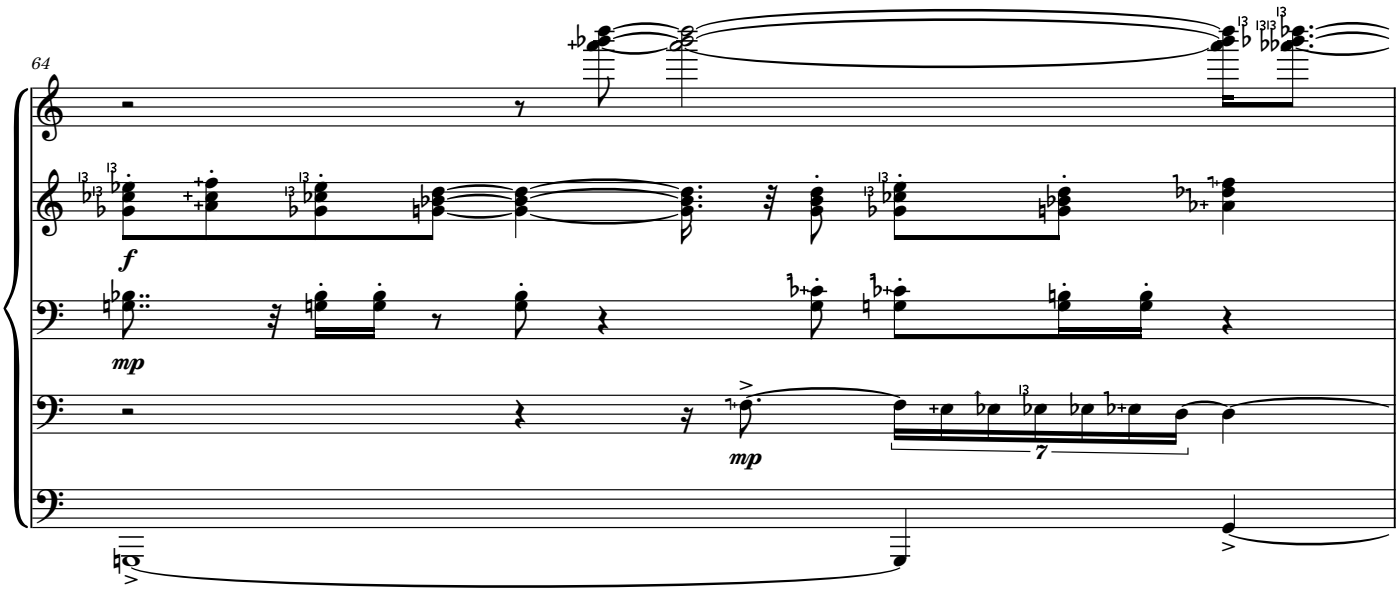

50
3
3:2

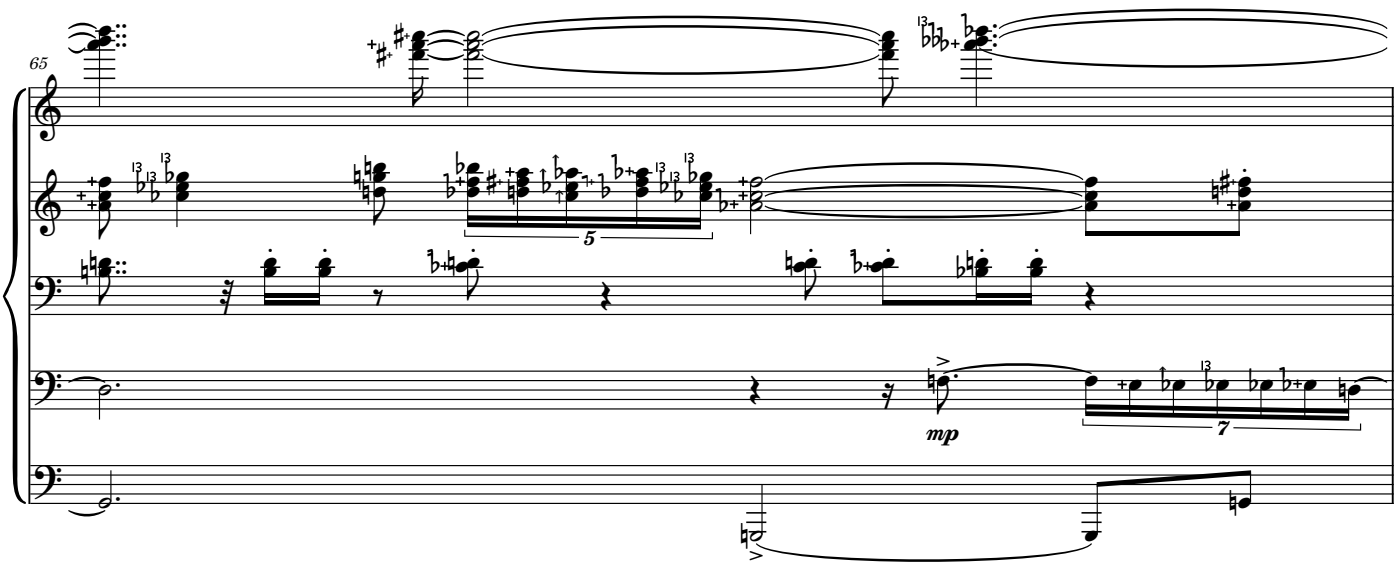

51
3
3
3:2
f

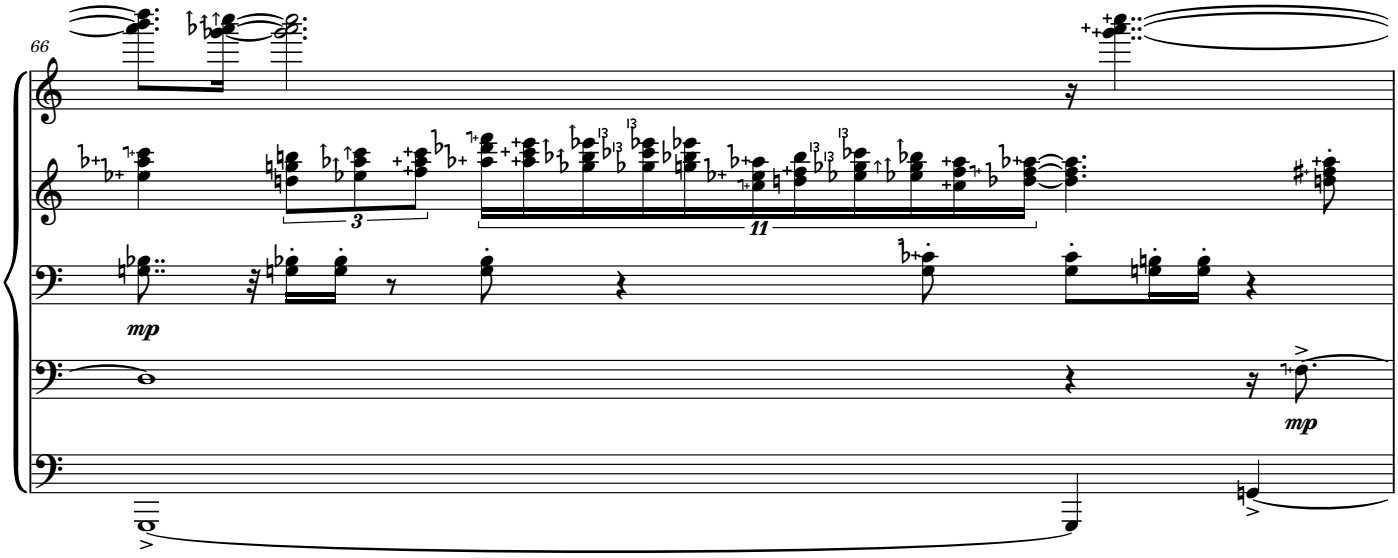

52
3
3
3:2
53
♩ = 91
19
mp
17
mp
f
f
f
54
♩ = 54
17:12
17:12
f
f
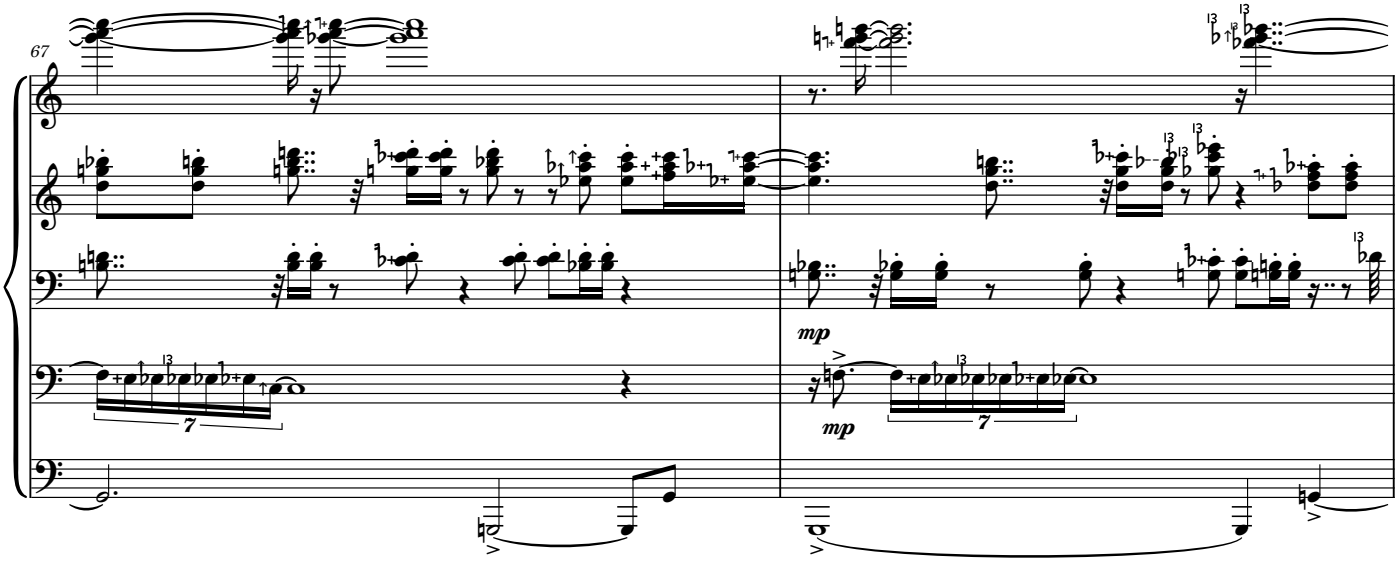

56
17:12
17:12
58
17:12
59
5:4
5:4
23:17
17:12

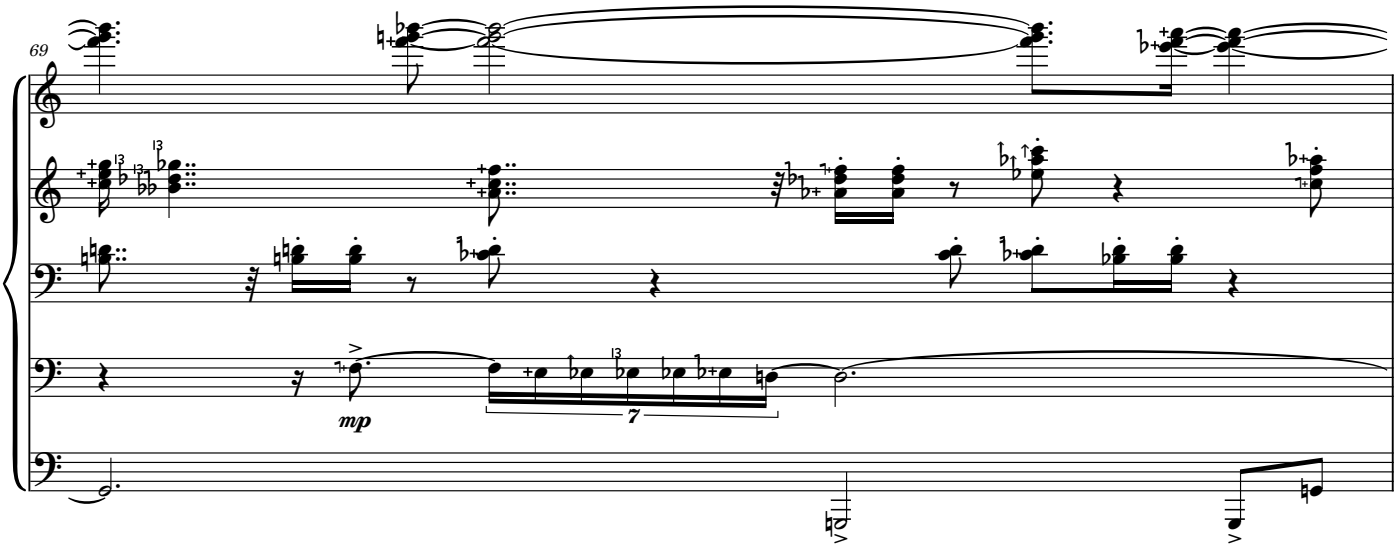

60
♩ = 132
mf
11
61
♩ = 91
19
17
mp
f
62
♩ = 108

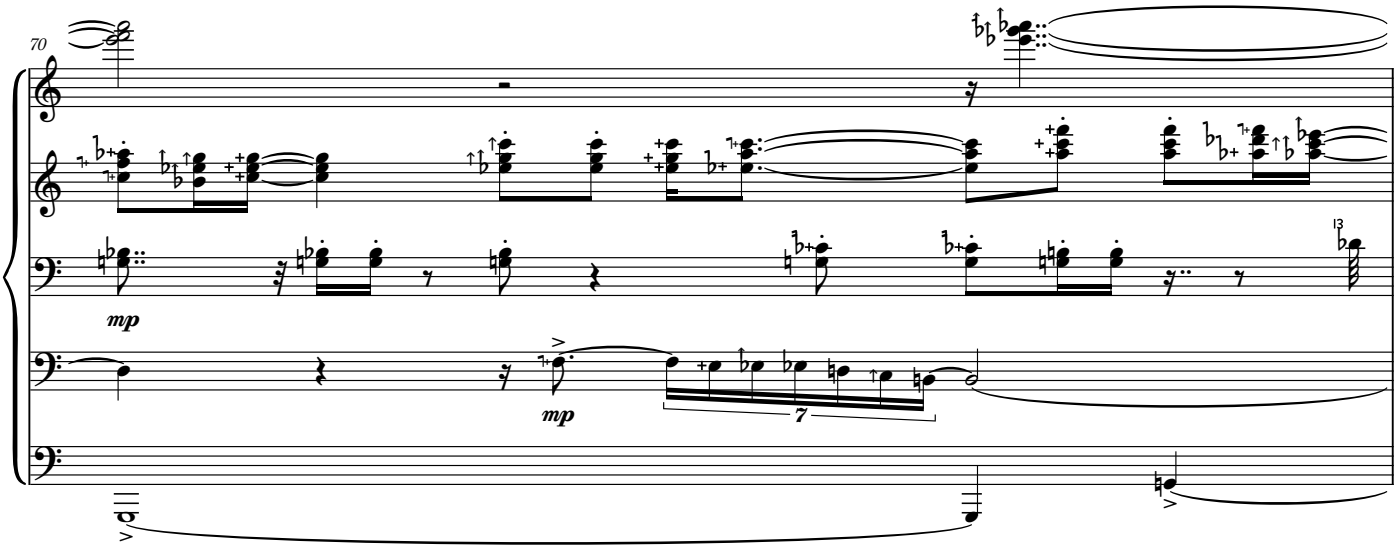

64
f
mp
mp
7
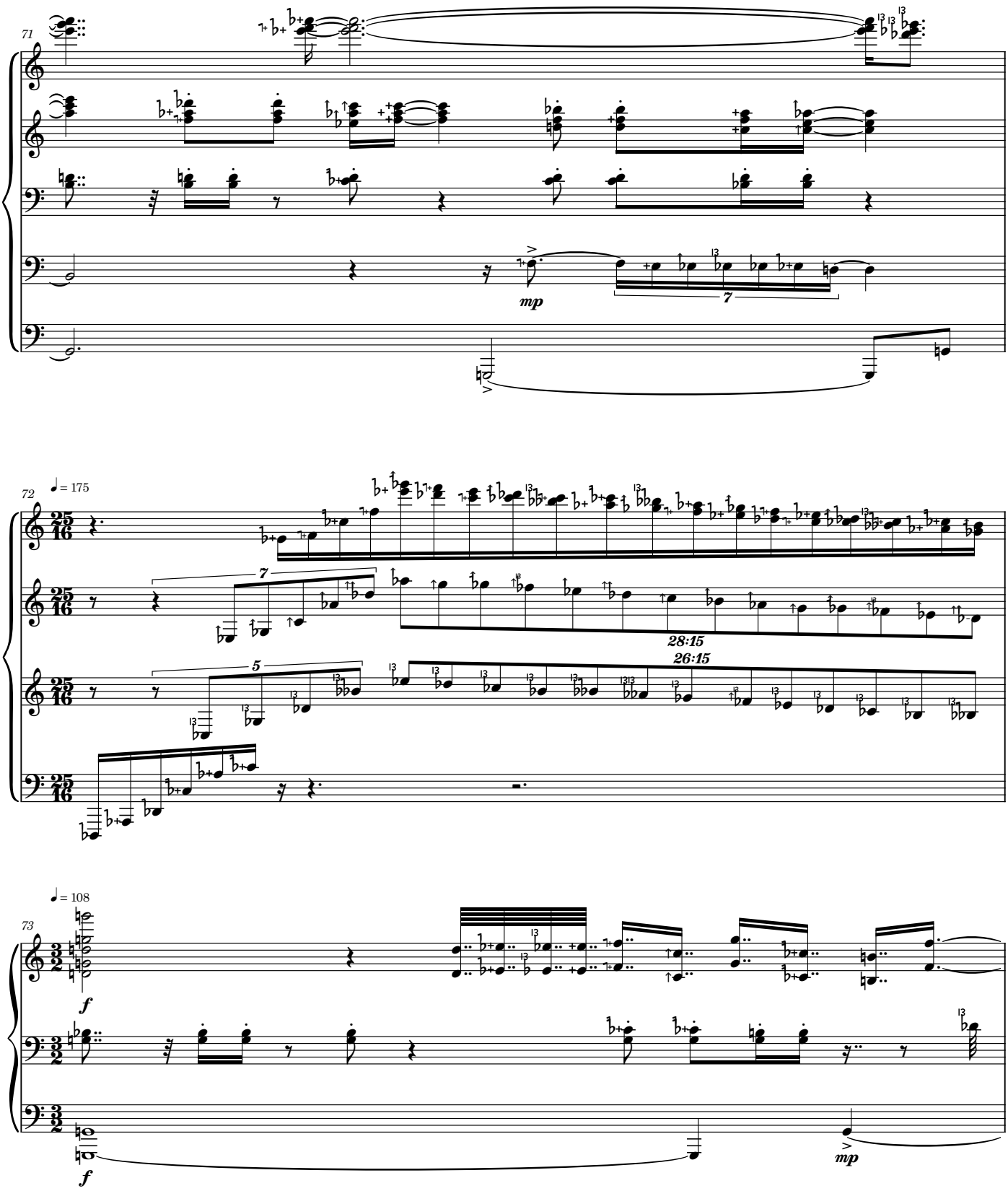

65
5
mp
7
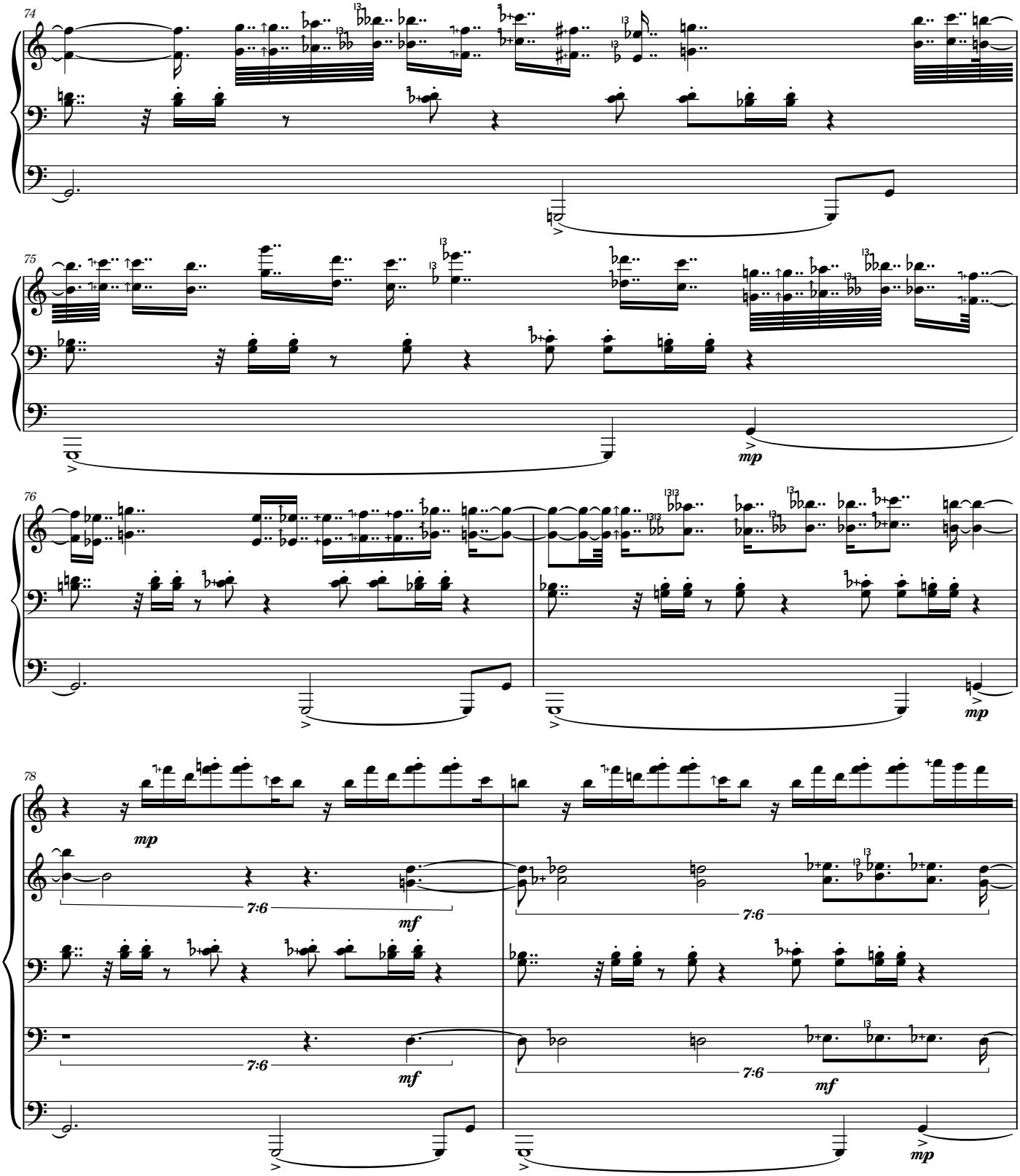

66
3
11
mp
mp
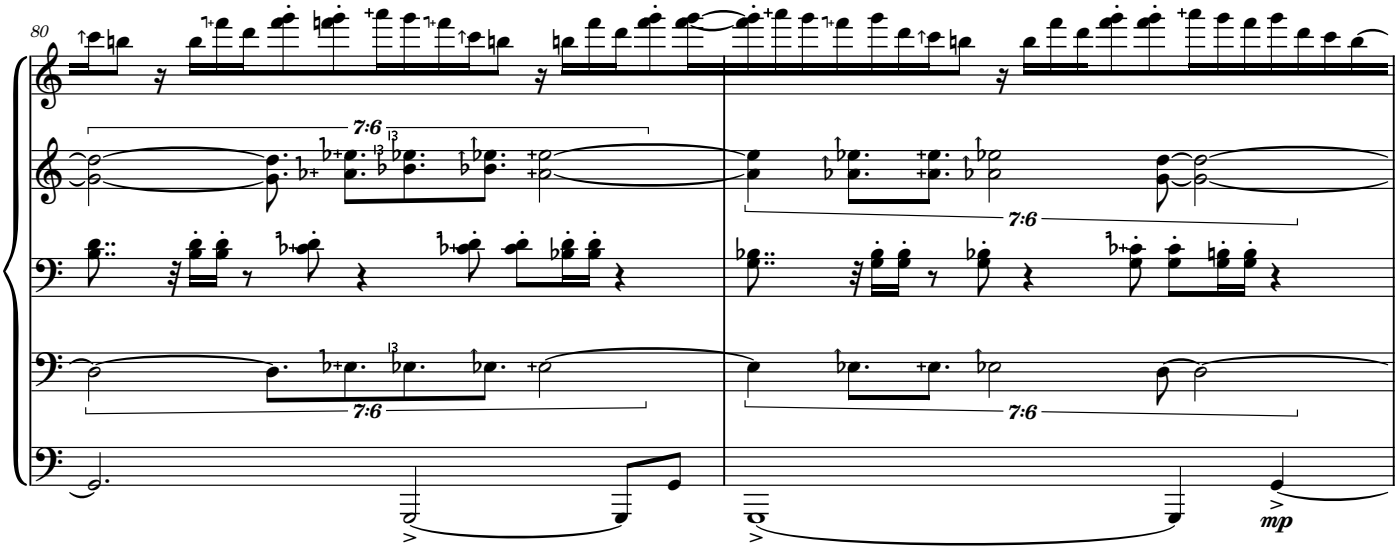

67
7
mp
mp
7

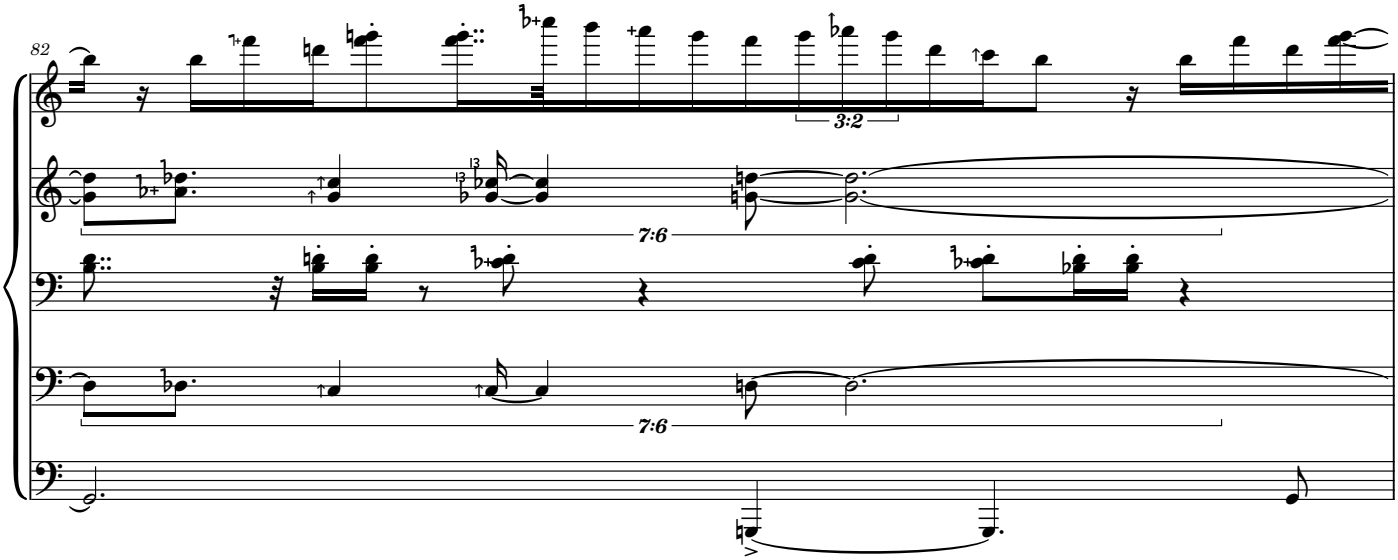

69
mp
7

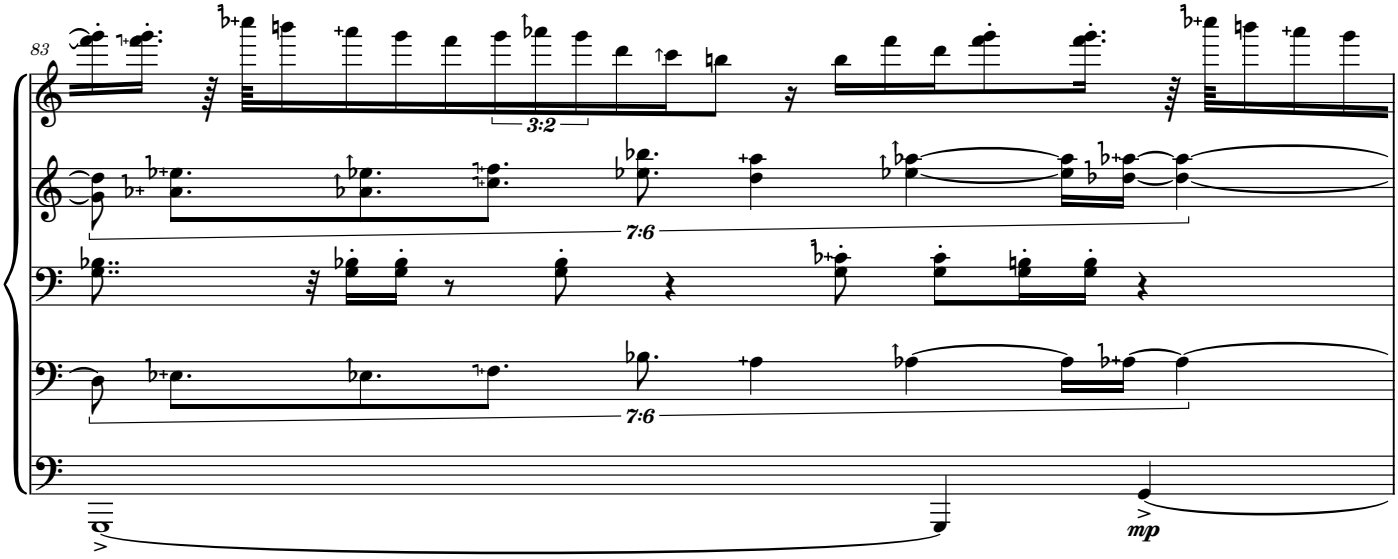

70
mp
mp
7

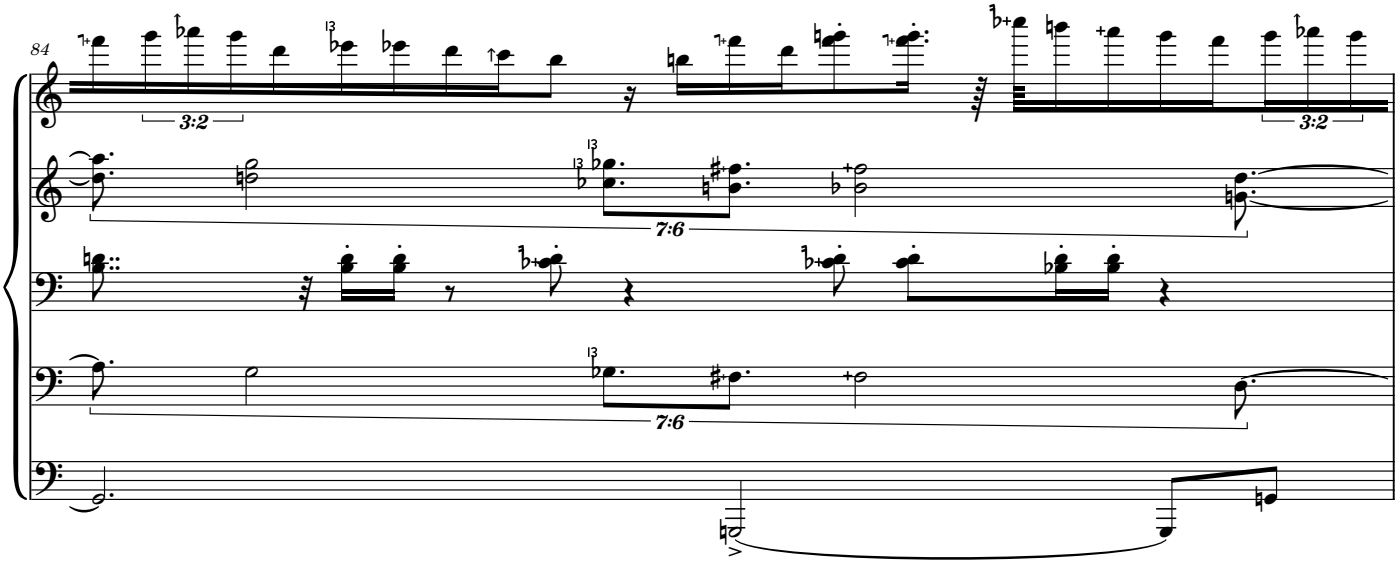

71
mp
72
♩ = 175
7
28:15
5
26:15
73
♩ = 108
f
f
mp
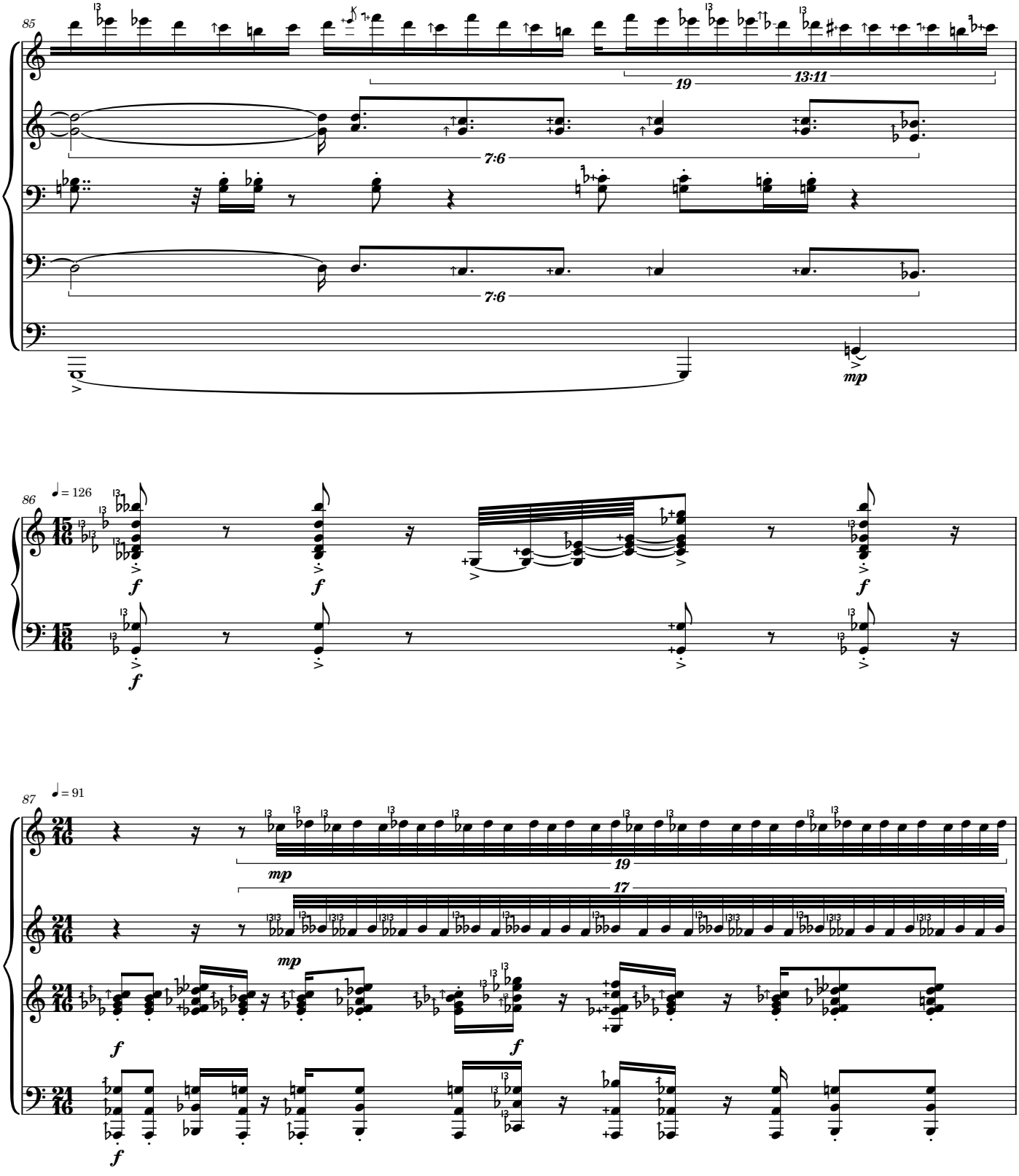

74
75
mp
76
mp
78
mp
7:6
mf
7:6
7:6
mf
7:6
mf
mp
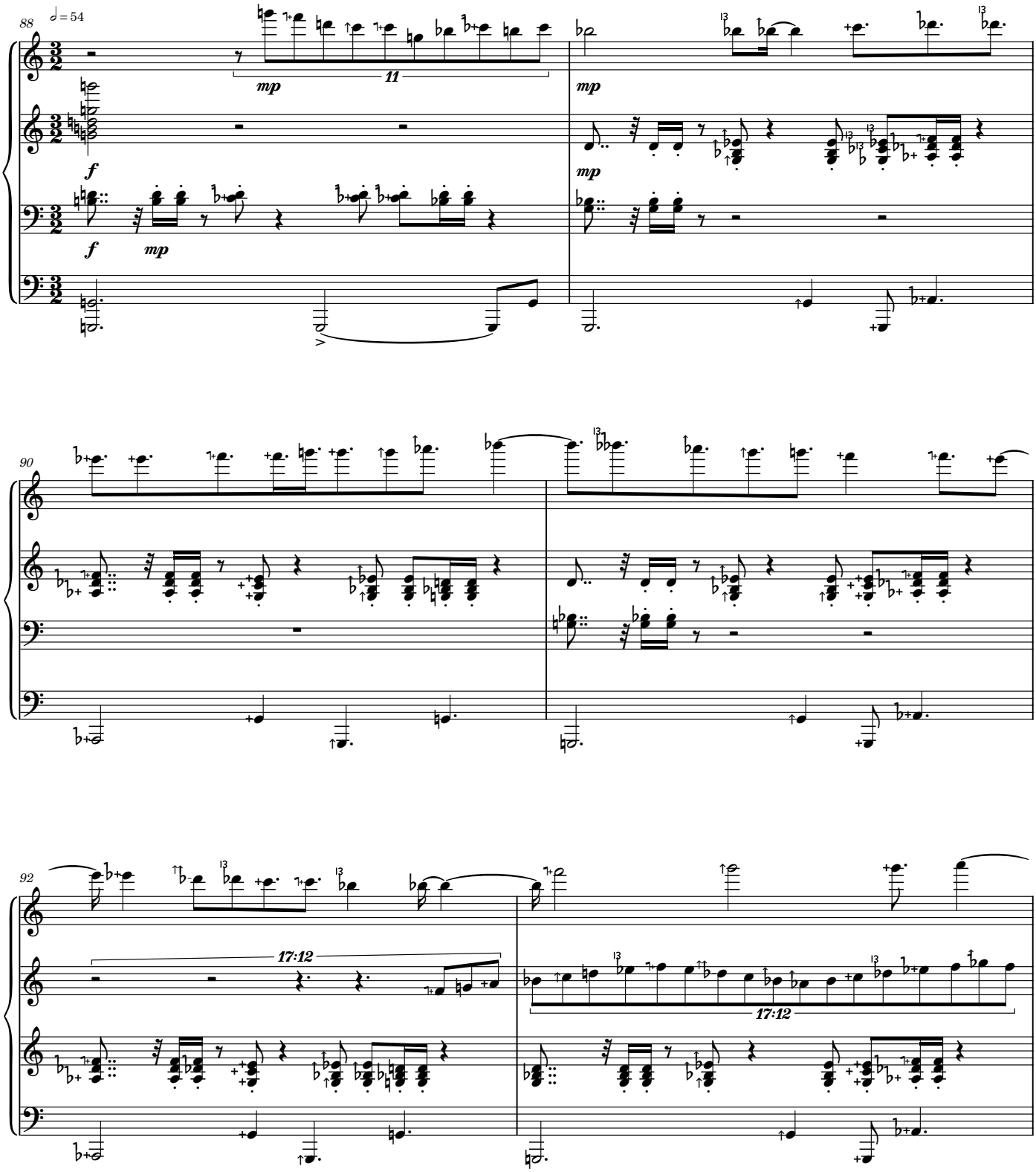

80
7:6
7:6
7:6
7:6
mp
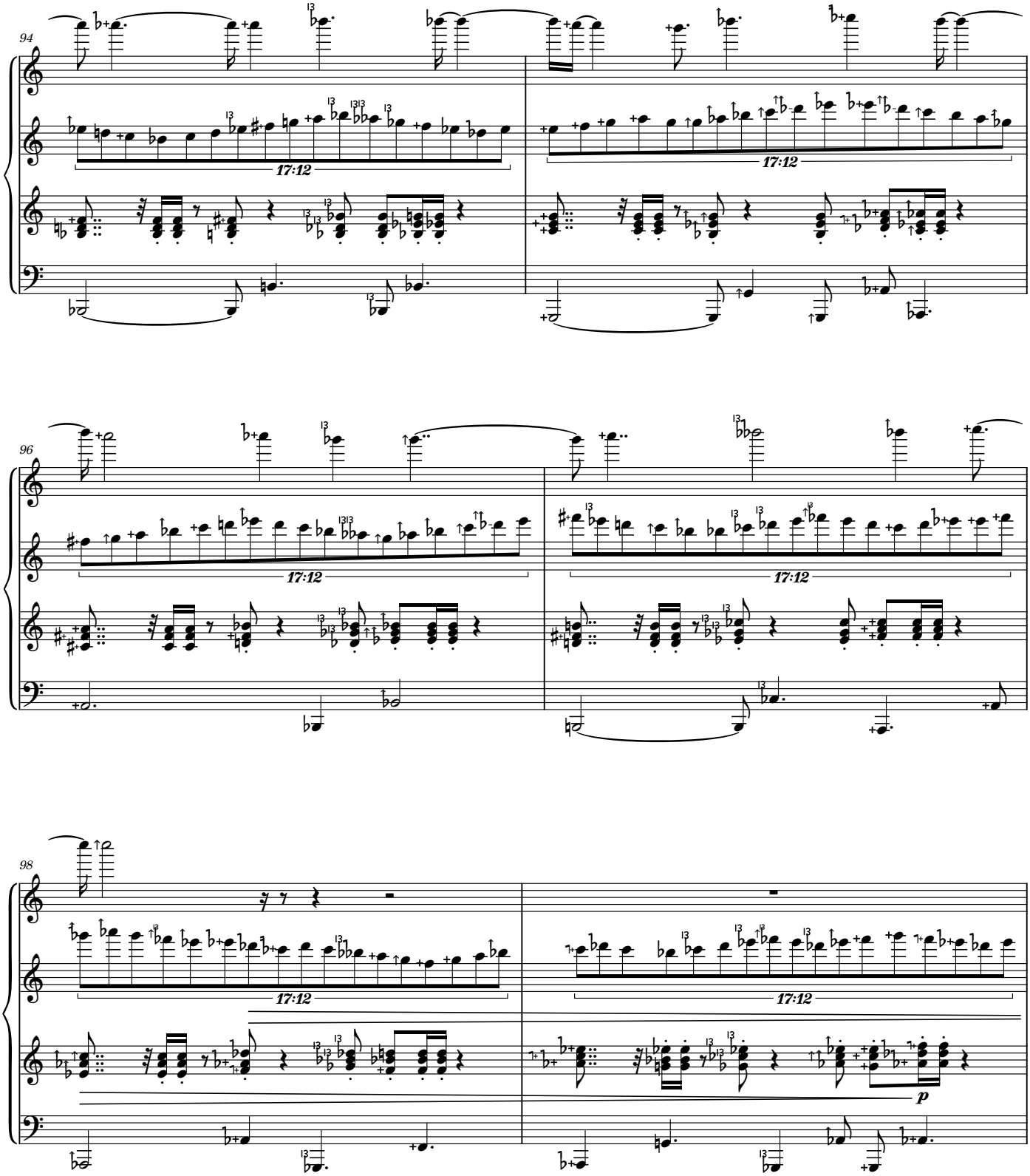

82
3:2
7:6
7:6
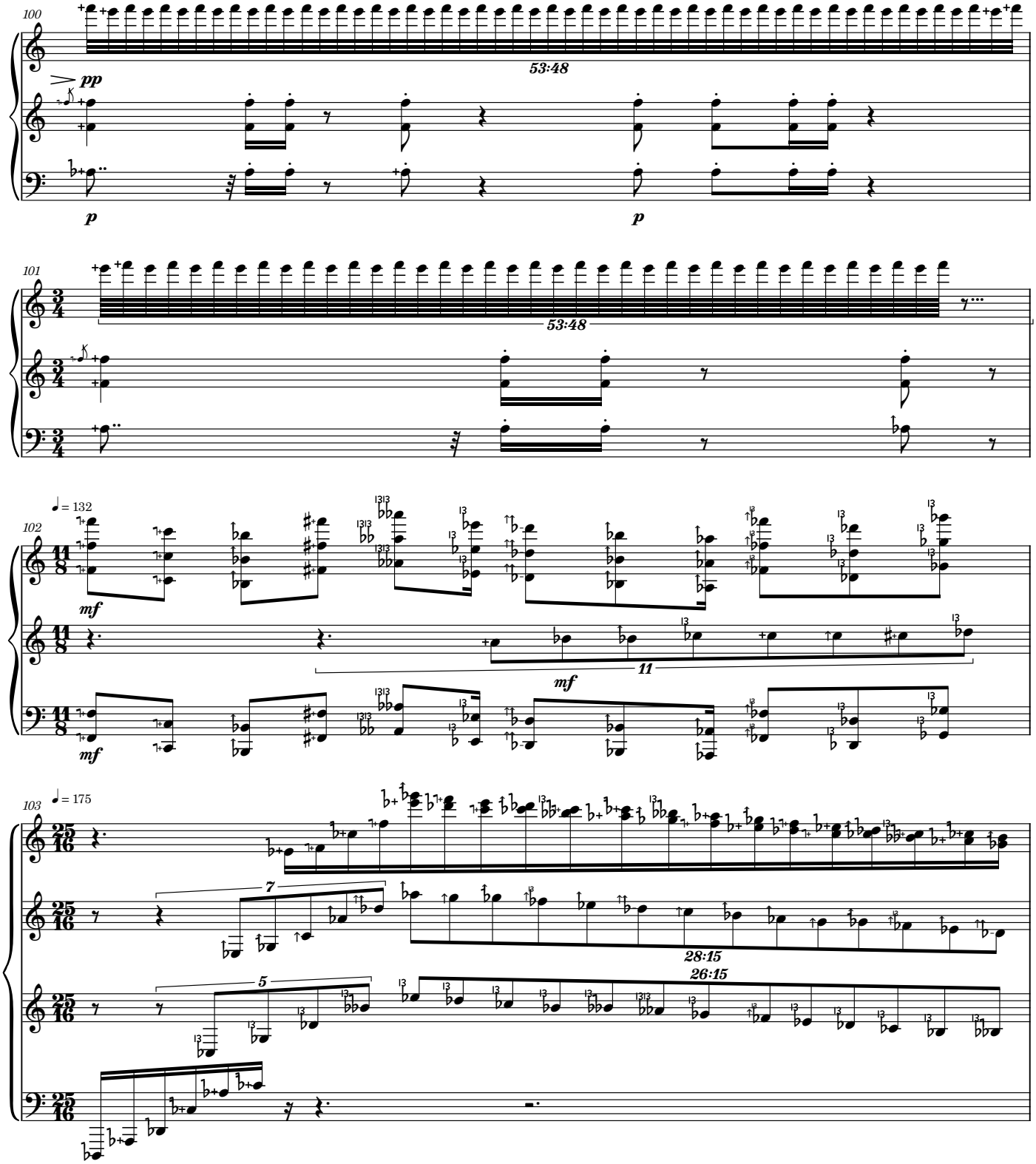

83
3:2
7:6
7:6
mp
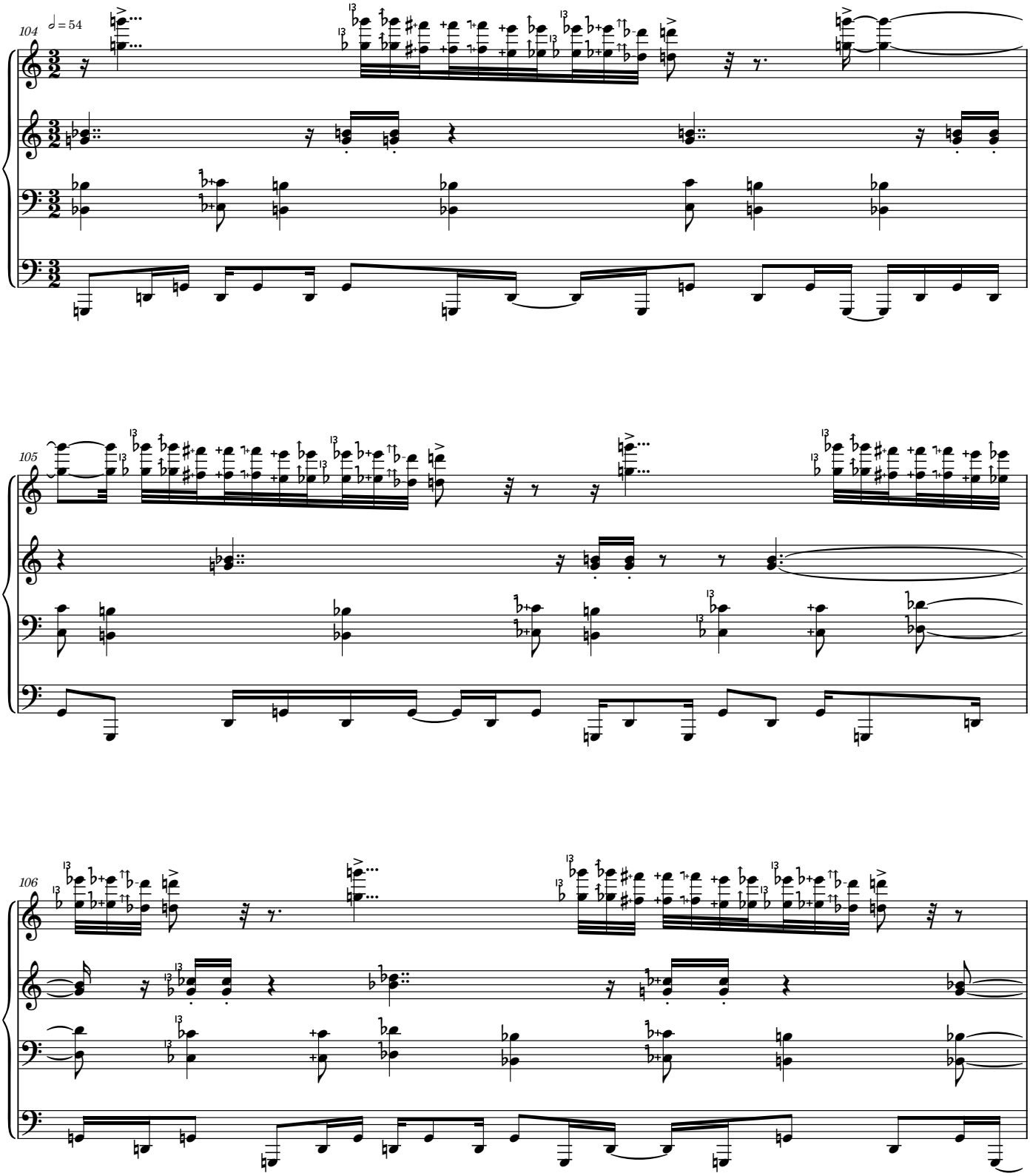

84
3:2
3:2
7:6
7:6
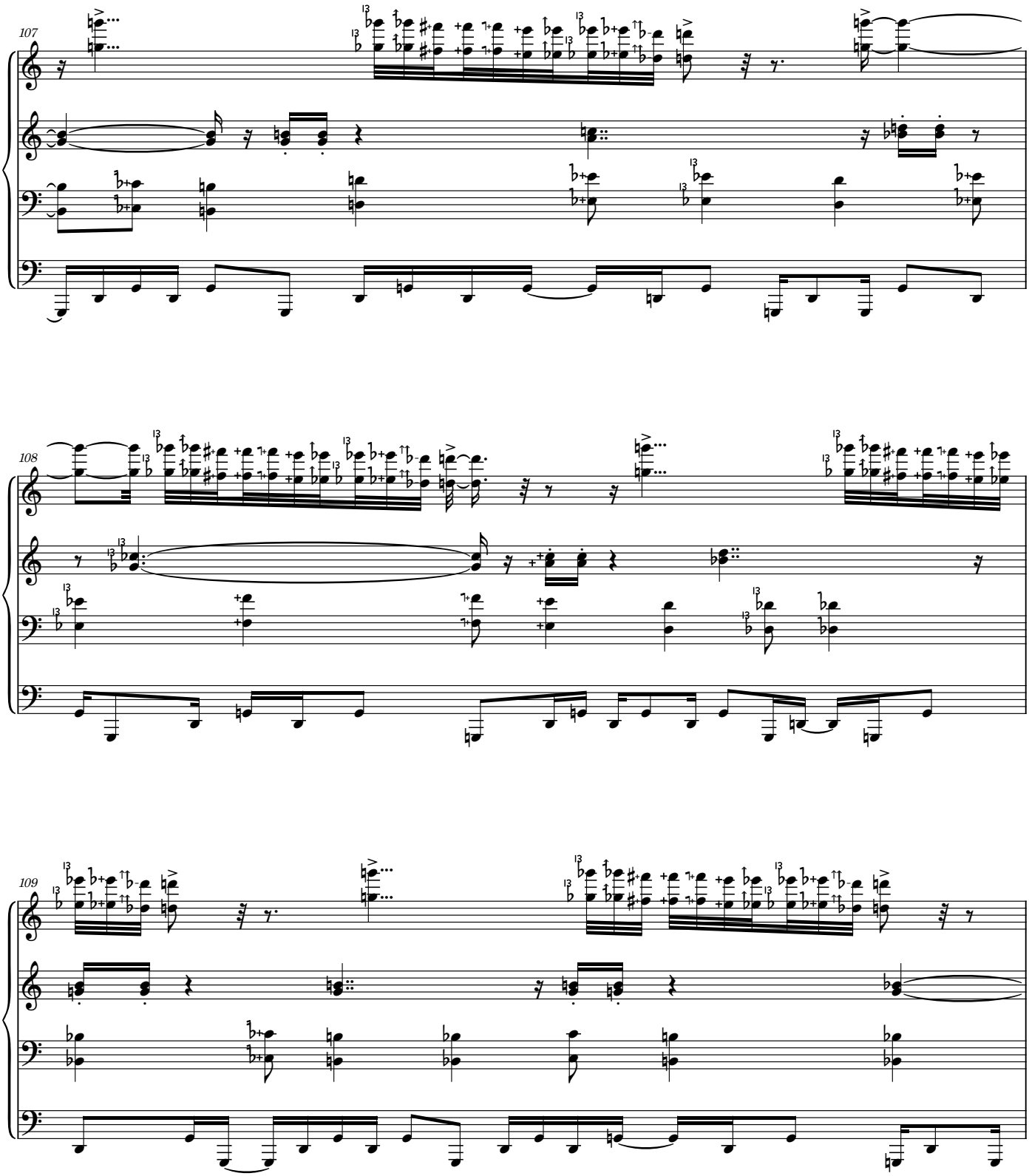

85
19
13:11
7:6
7:6
mp
86
♩ = 126
f
f
f
f
87
♩ = 91
19
mp
17
mp
f
f
f
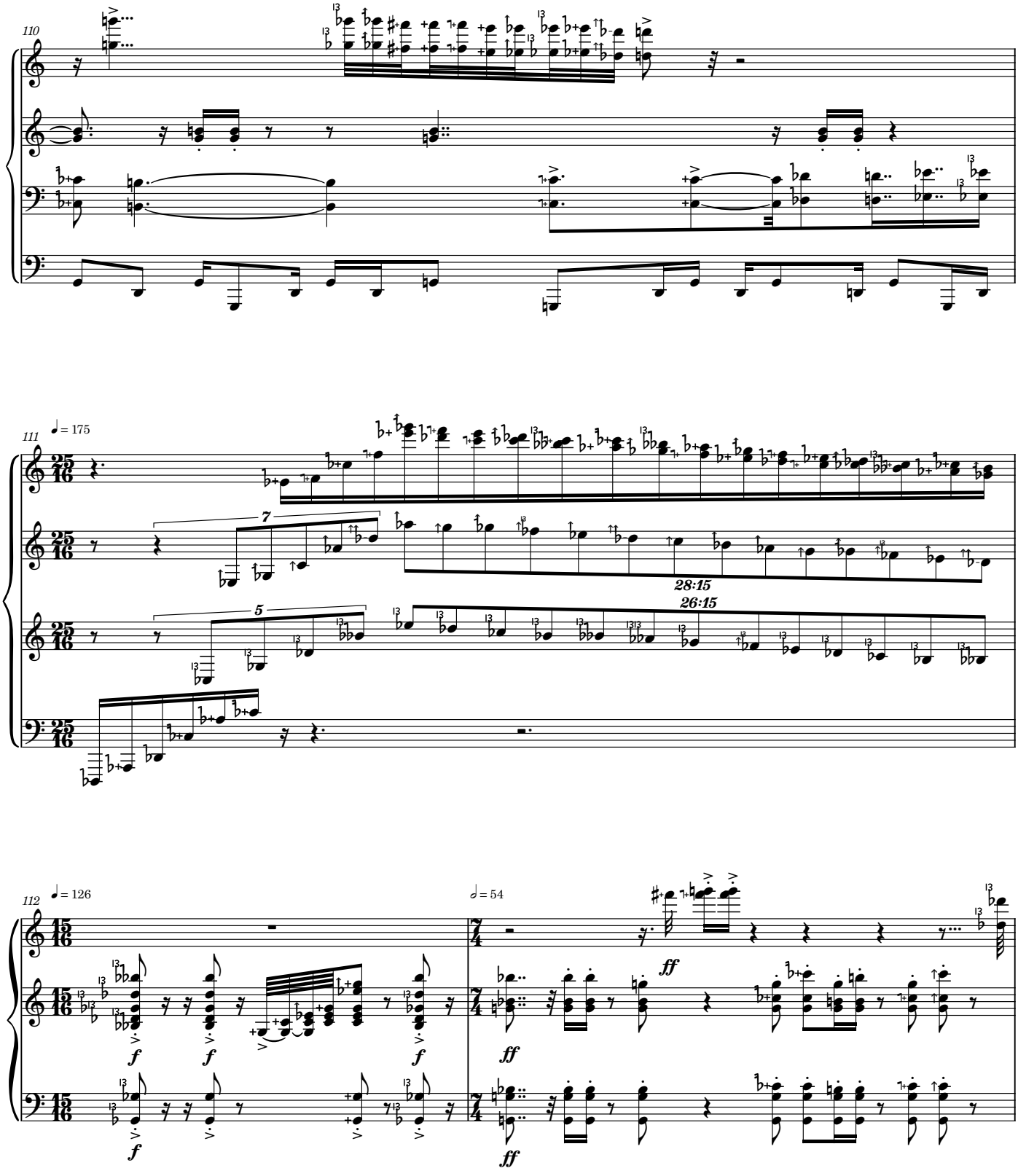

88
♩ = 54
mp
11
f
mp
f
mp
mp
90
92
17:12
17:12
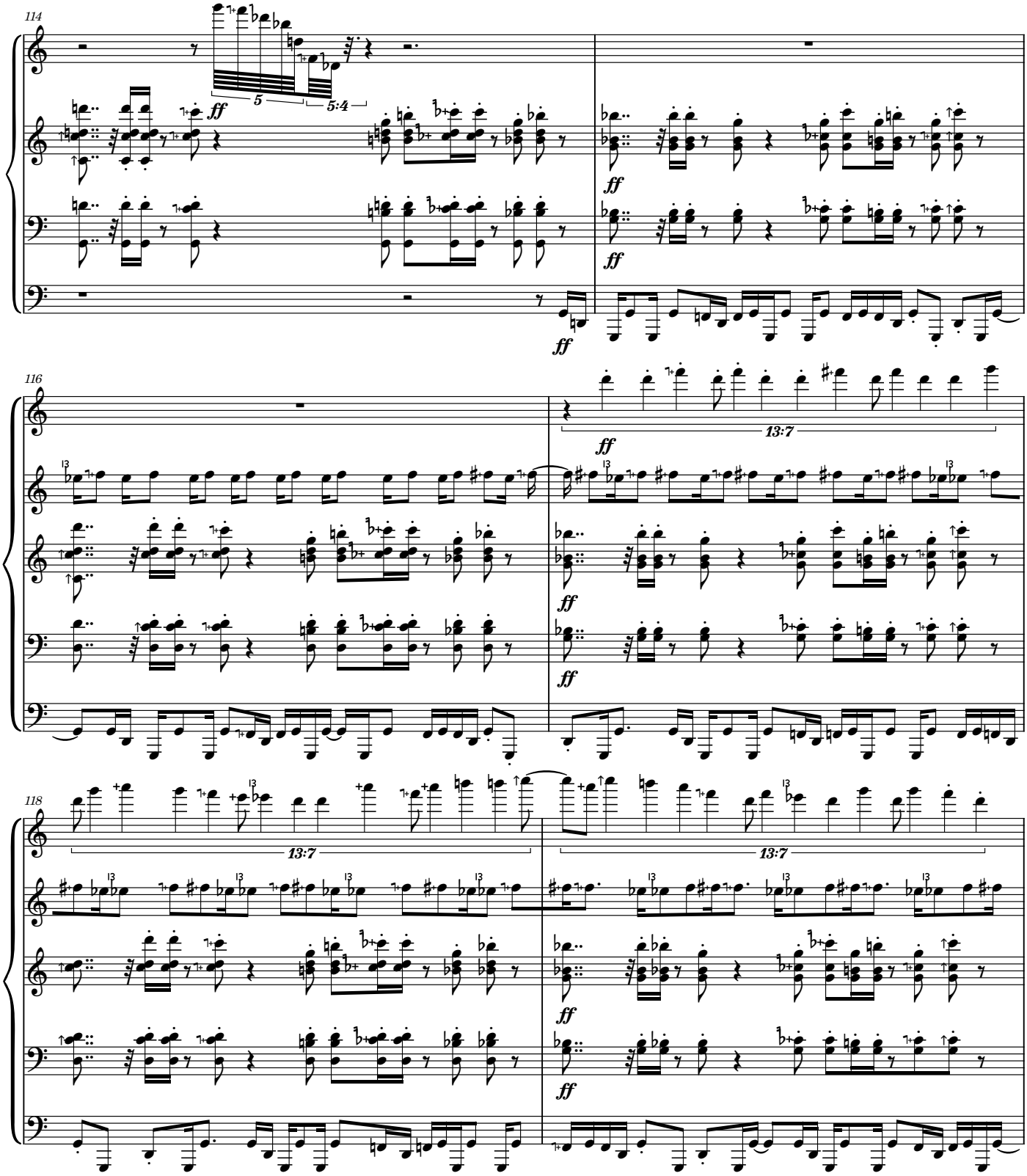

94
17:12
17:12
96
17:12
17:12
98
17:12
17:12
p
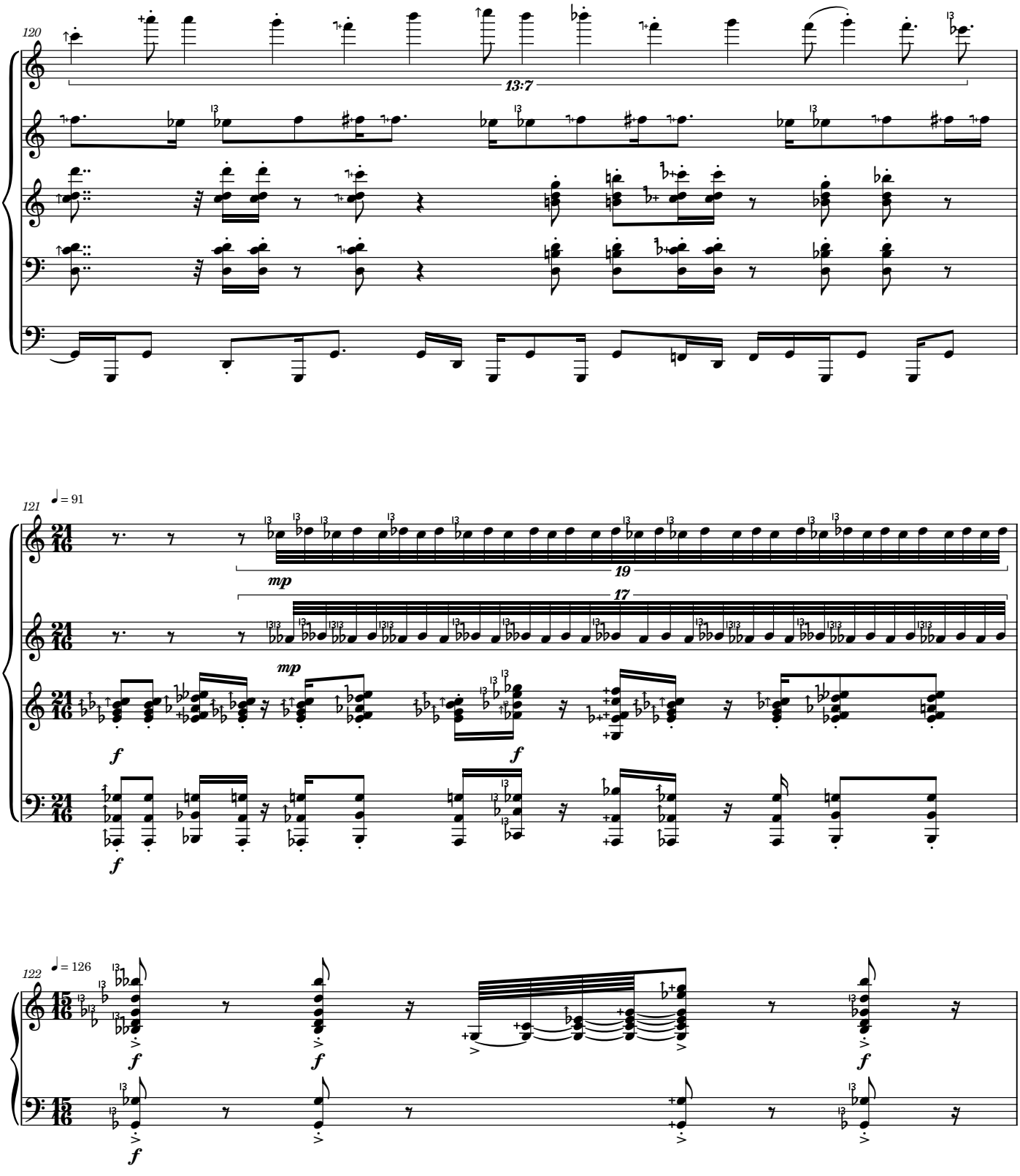

100
53:48
pp
p
p
101
53:48
102
♩ = 132
mf
mf
11
mf
103
♩ = 175
7
28:15
5
26:15
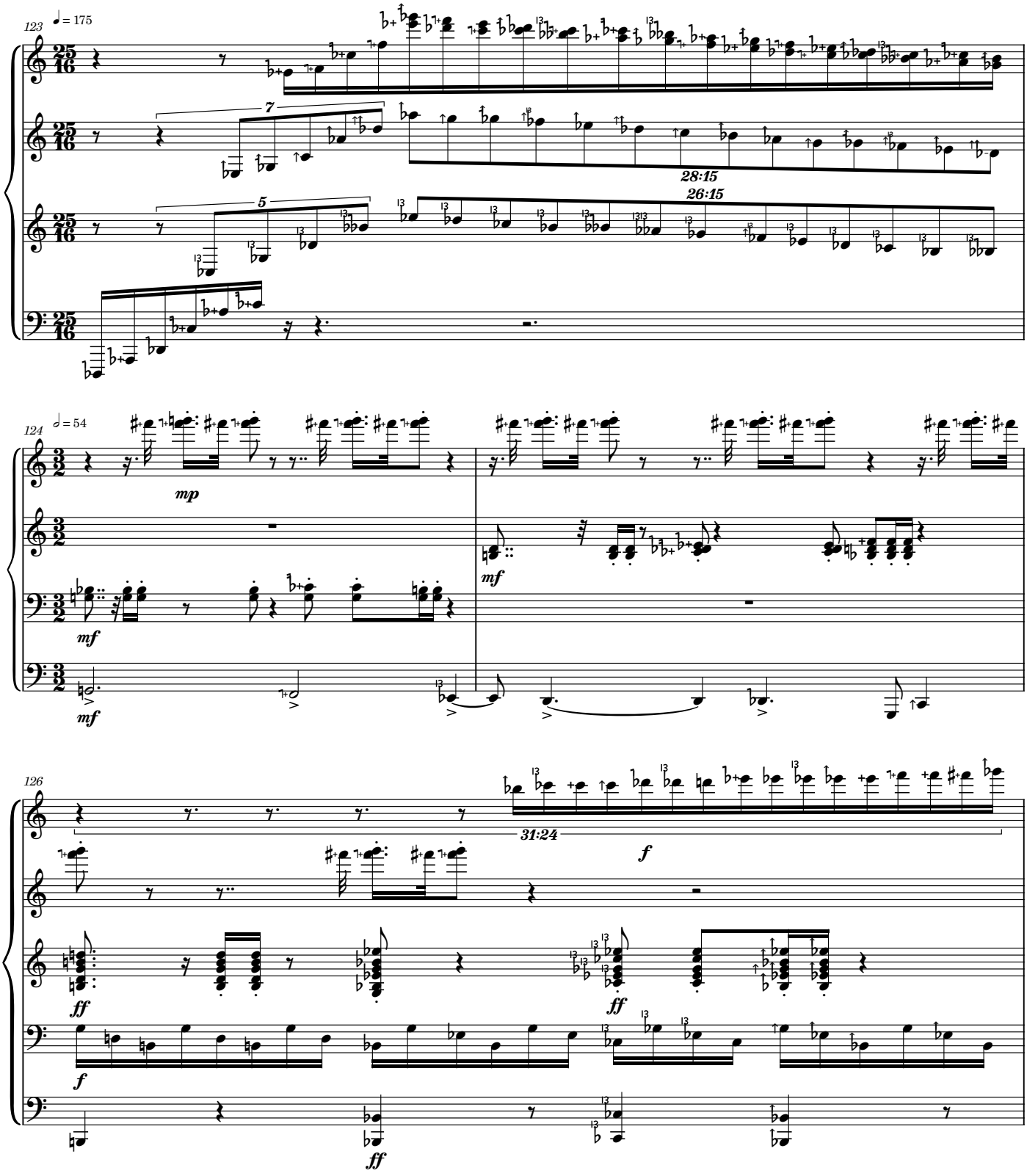

104
♩ = 54
105
106

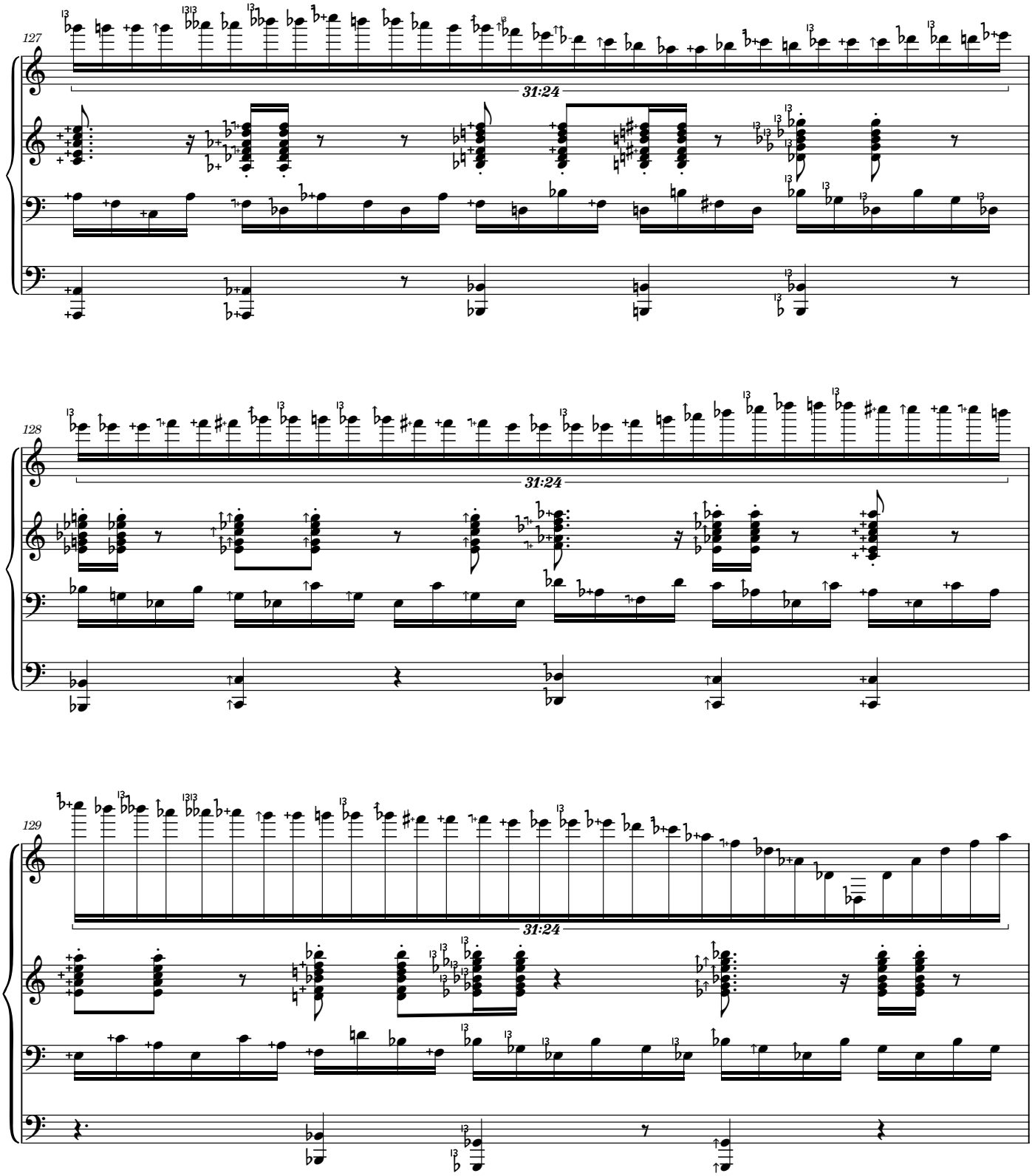

107
108
109

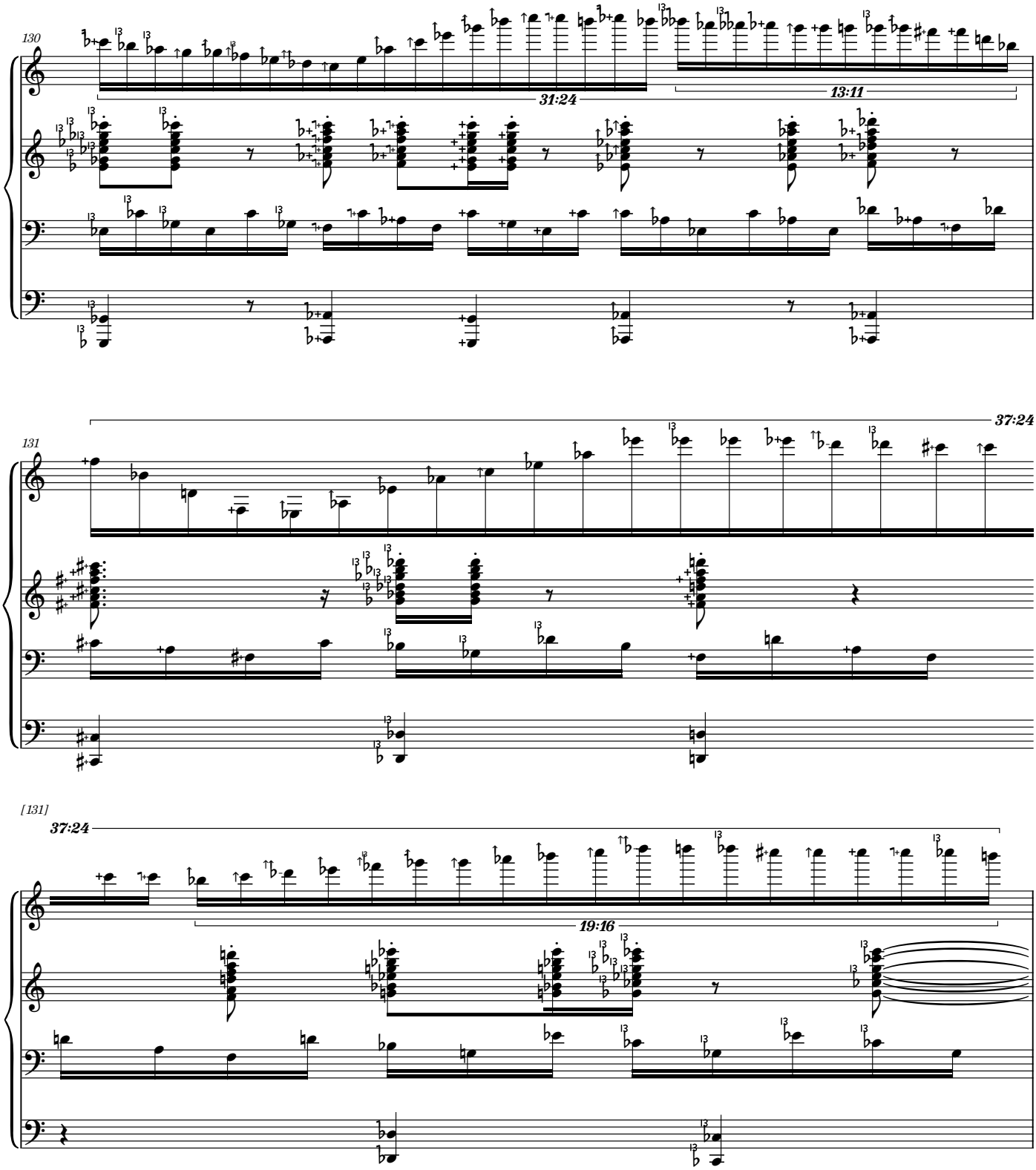

110
111
♩ = 175
7
5
28:15
26:15
112
♩ = 126
𝅗𝅥 = 54
f
ff
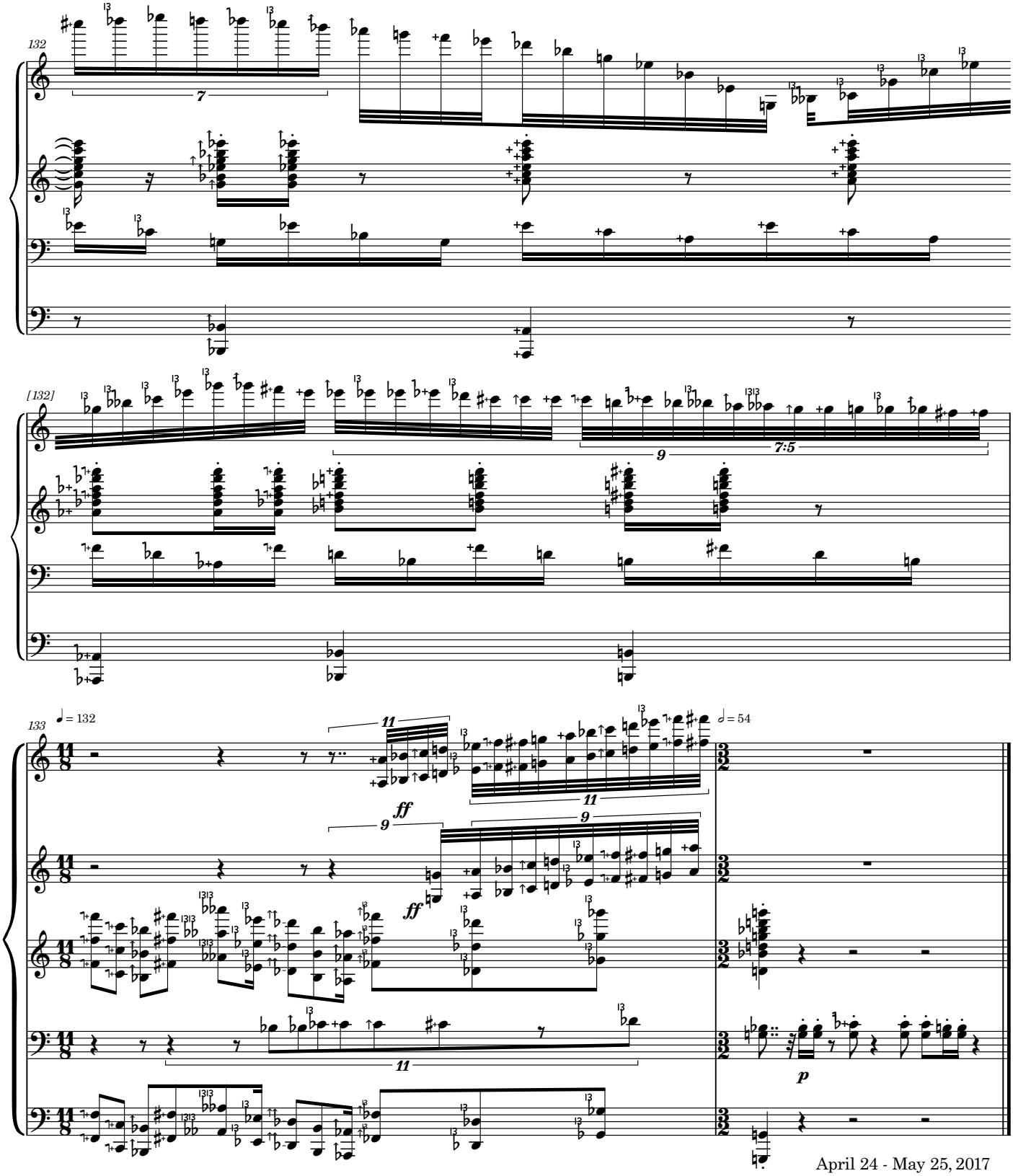

114
5
5:4
ff
116
13:7
118
13:7
13:7


120
13:7
121
♩ = 91
19
17
mp
mp
f
f
f
122
♩ = 126
f
f
f
f


123
♩ = 175
7
28:15
26:15
5
124
𝅗𝅥 = 54
mp
mf
mf
mf
126
31:24
f
ff
ff
f
ff


127
31:24
128
31:24
129
31:24

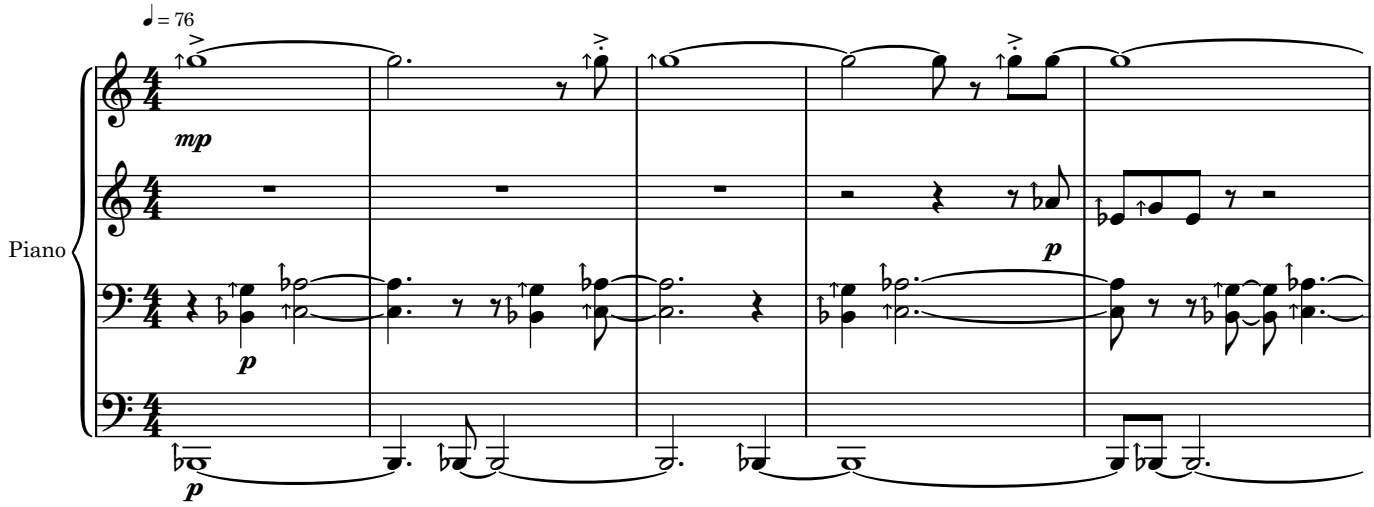

130
31:24
13:11
131
37:24
[131]
37:24
19:16
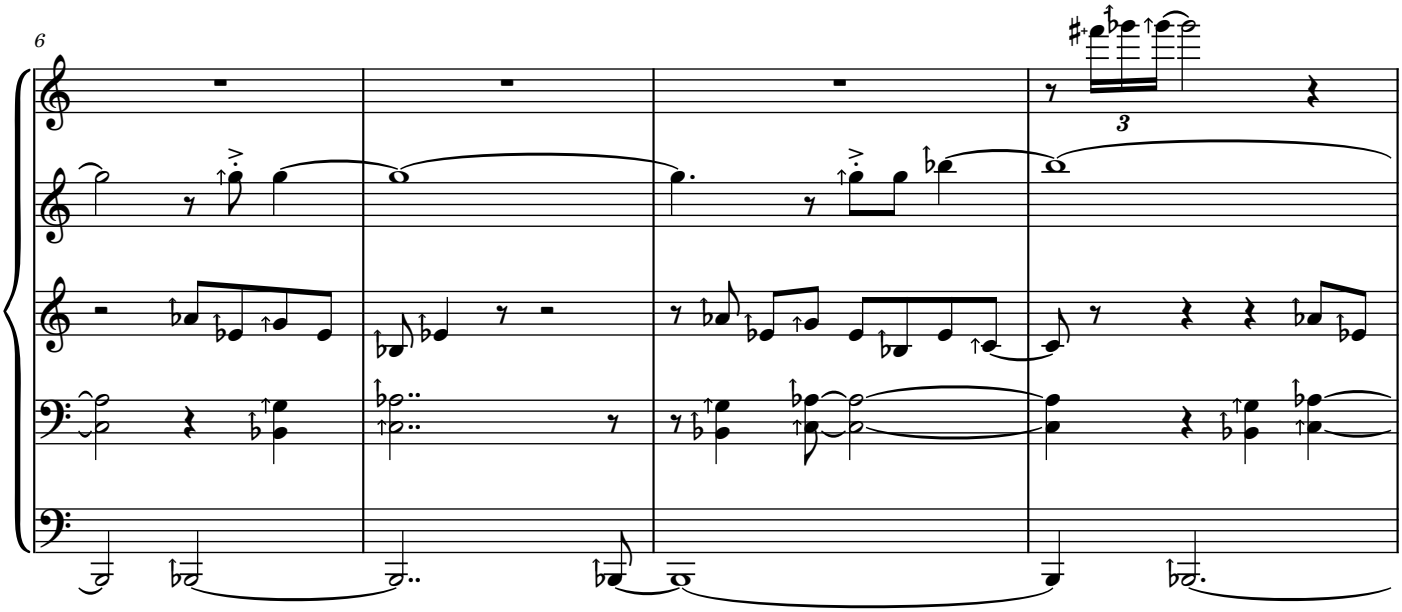


April 24 - May 25, 2017
Germantown, NY
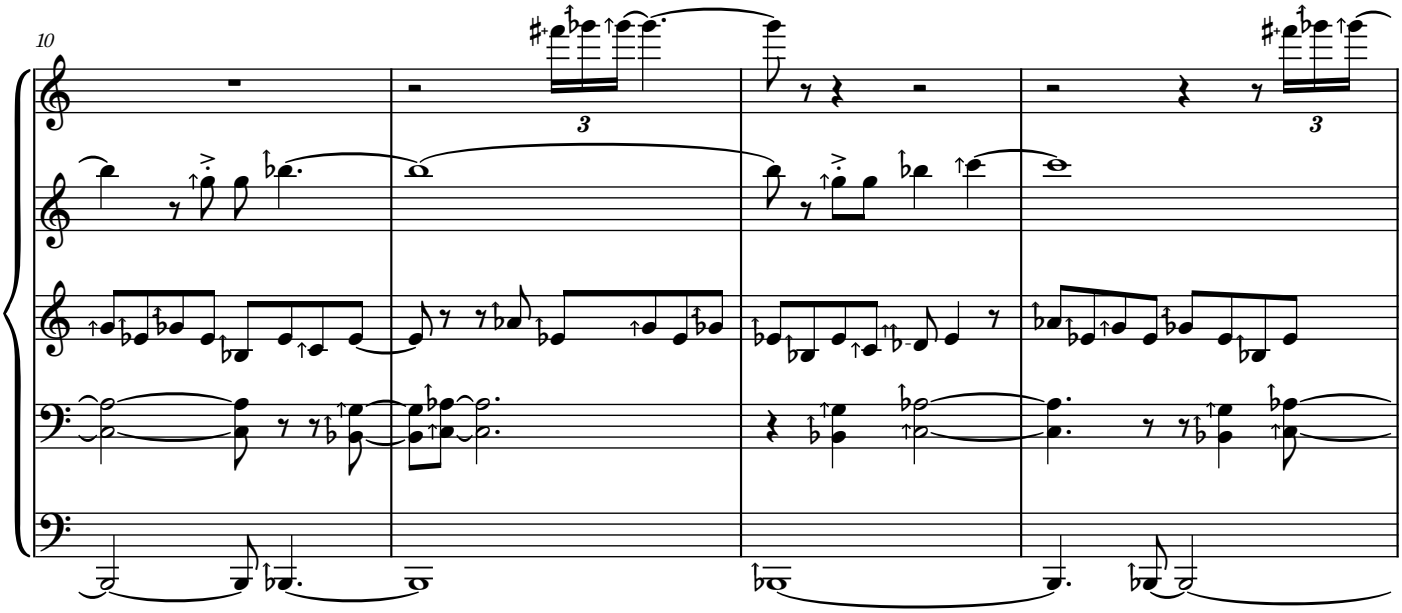
Rings of Saturn
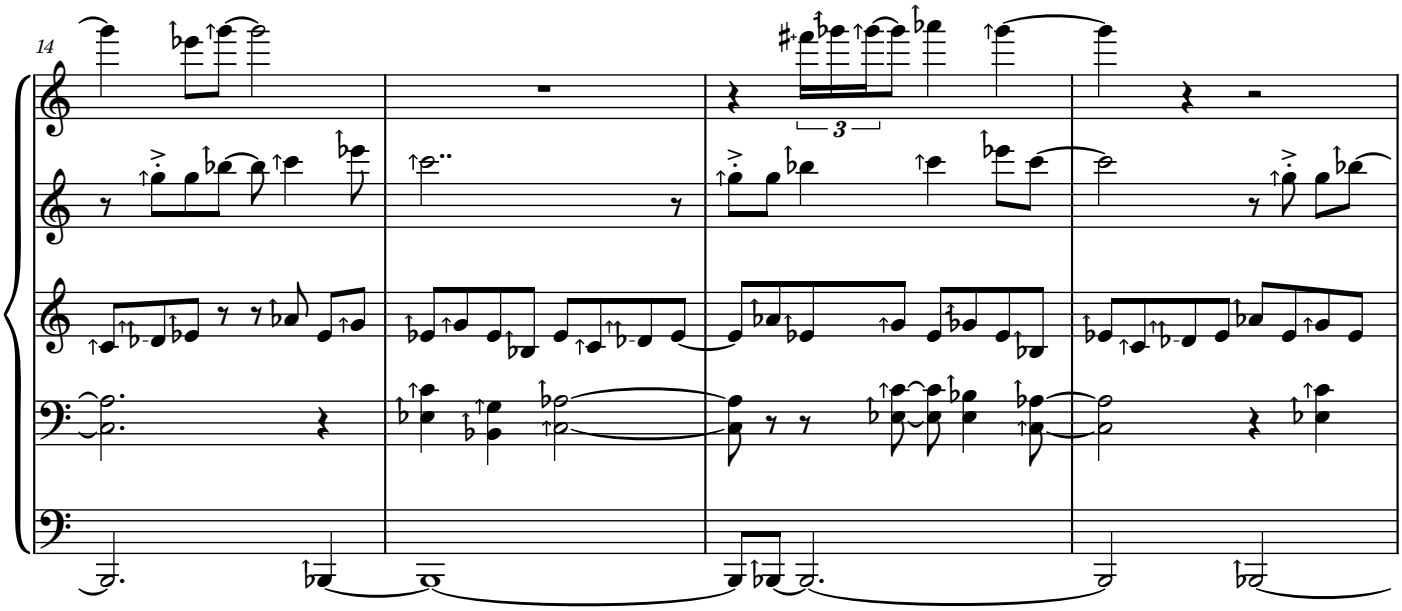
Kyle Gann
2016-17
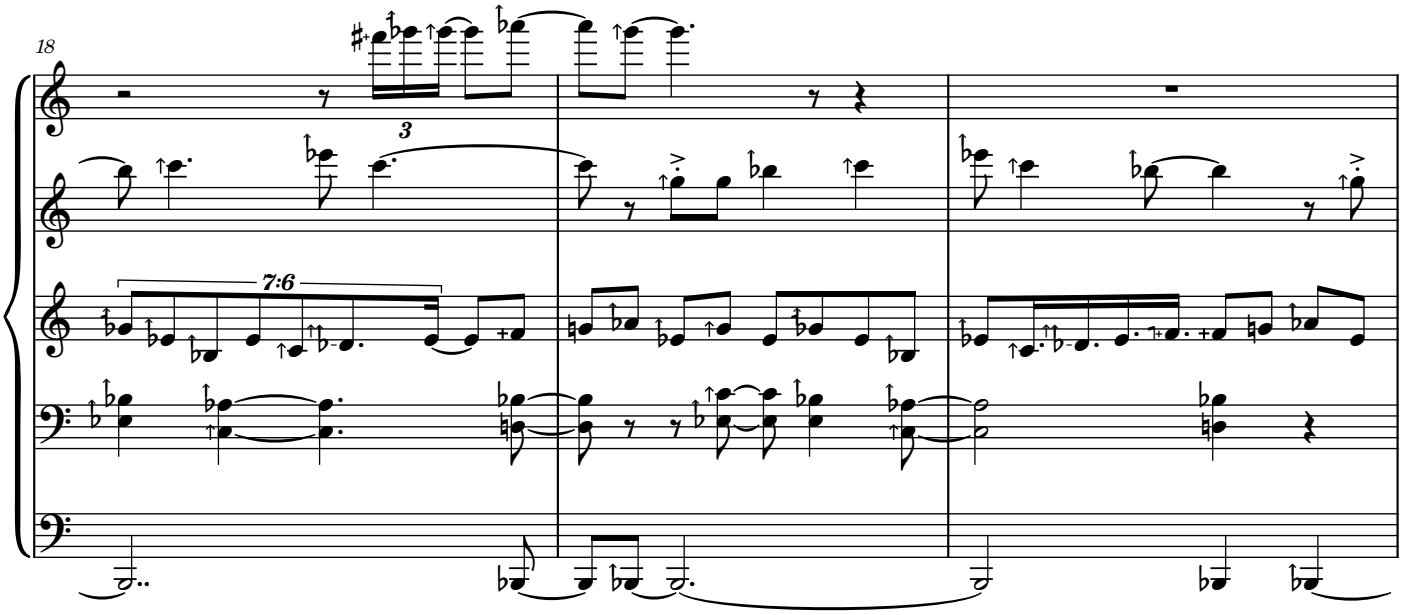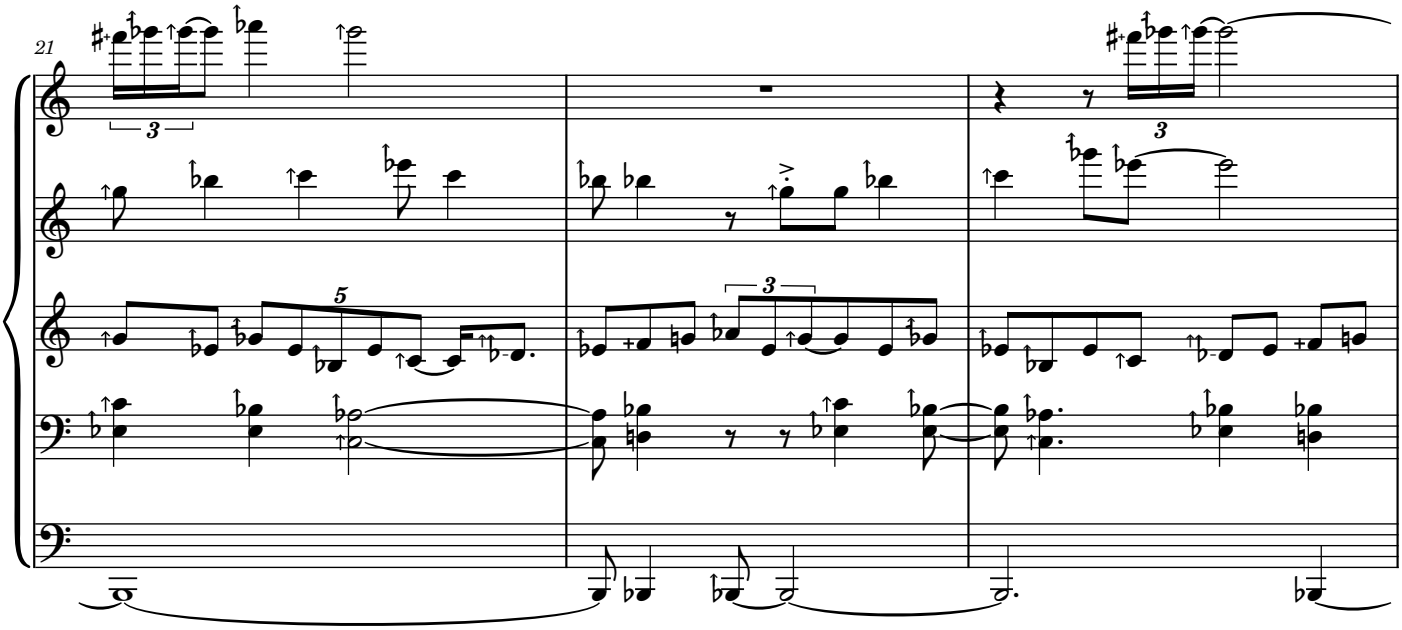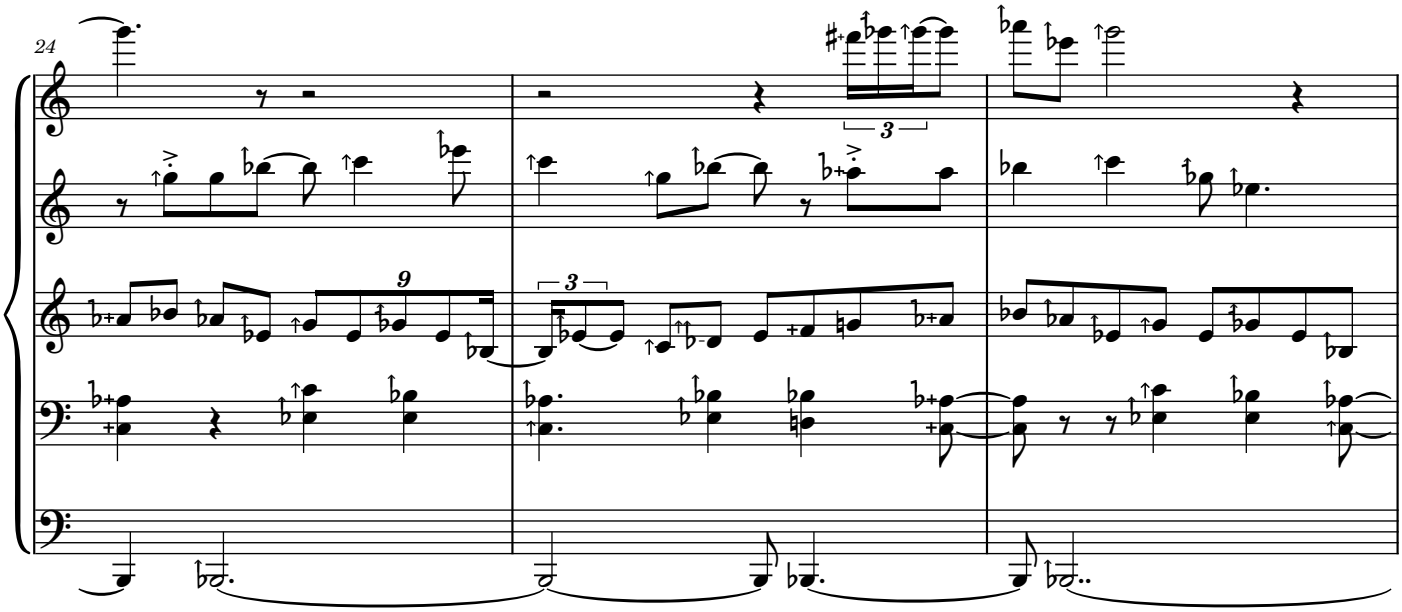




© 2017 Smith Grabholz Music

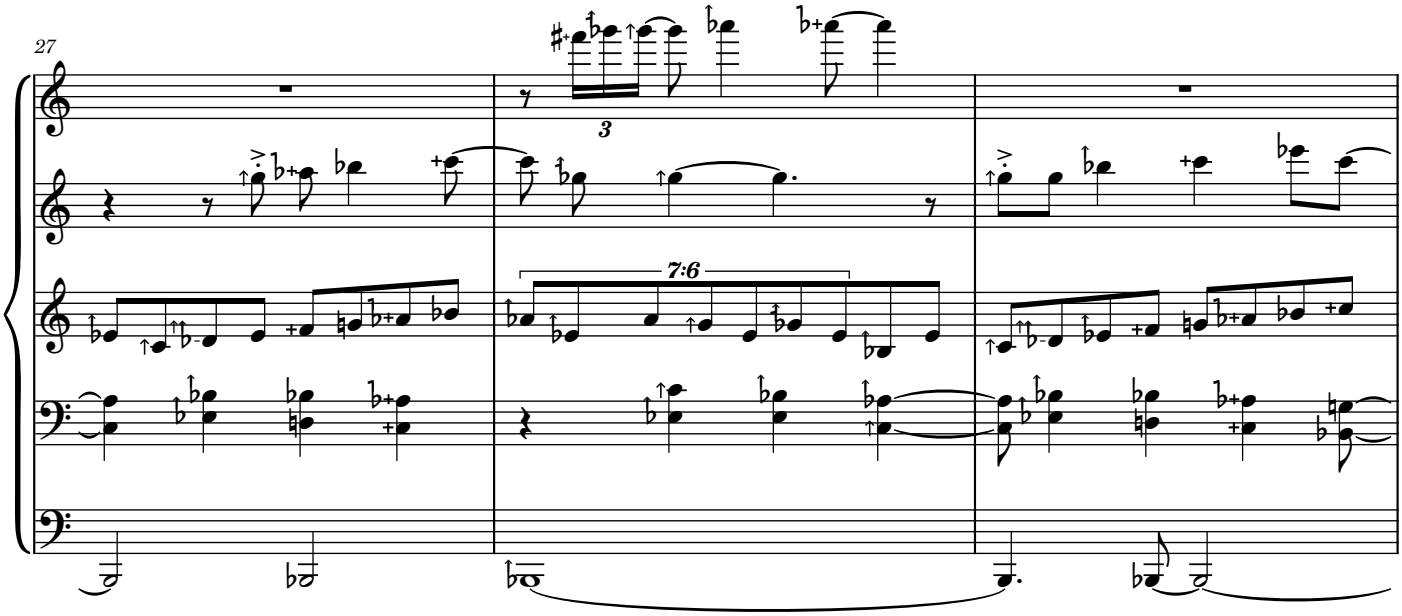

10
3
3
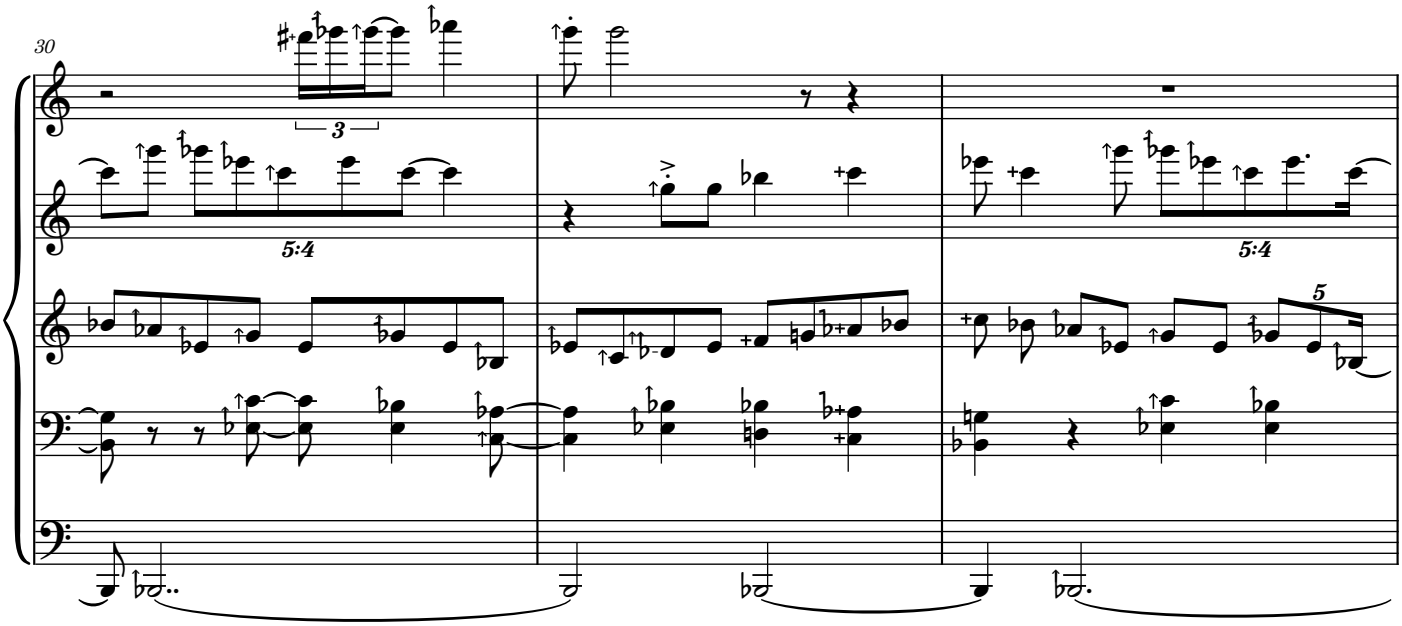

14
3
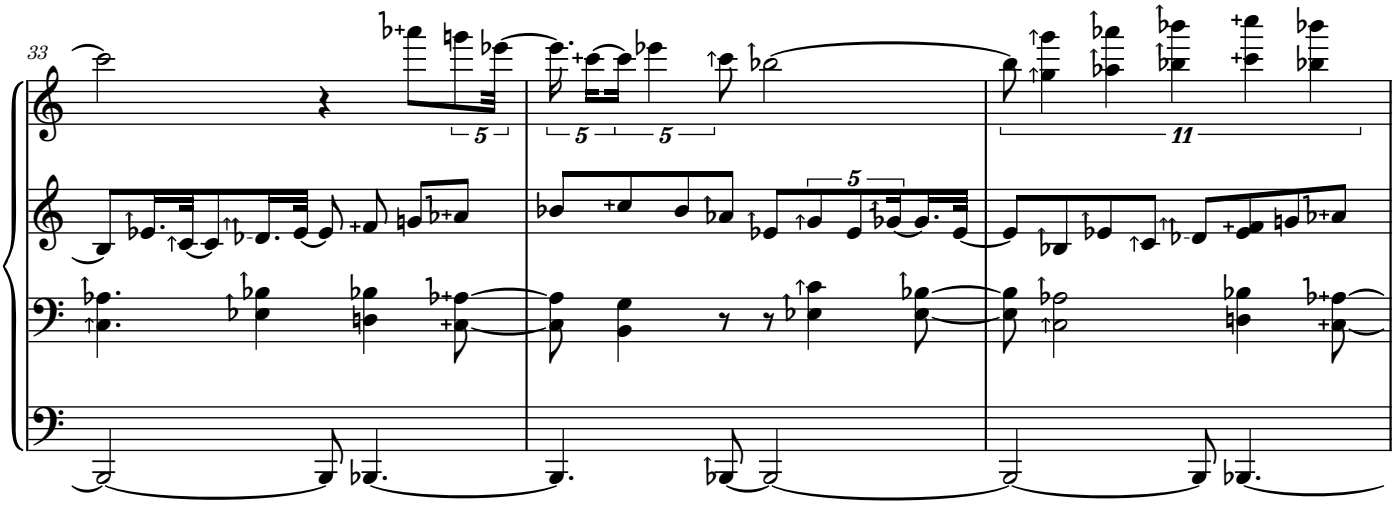

18
3
7:6
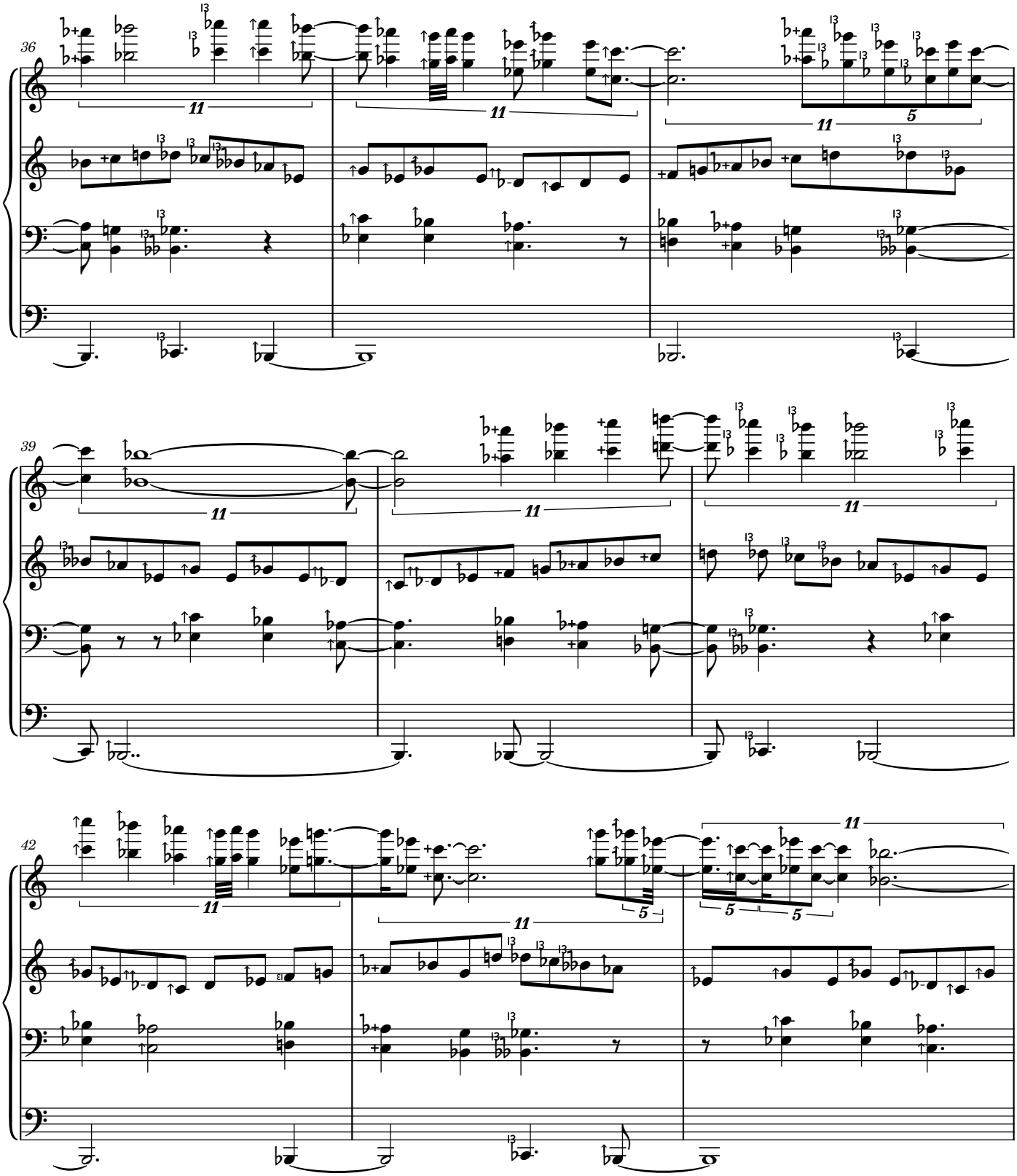

21
3
5
3
3
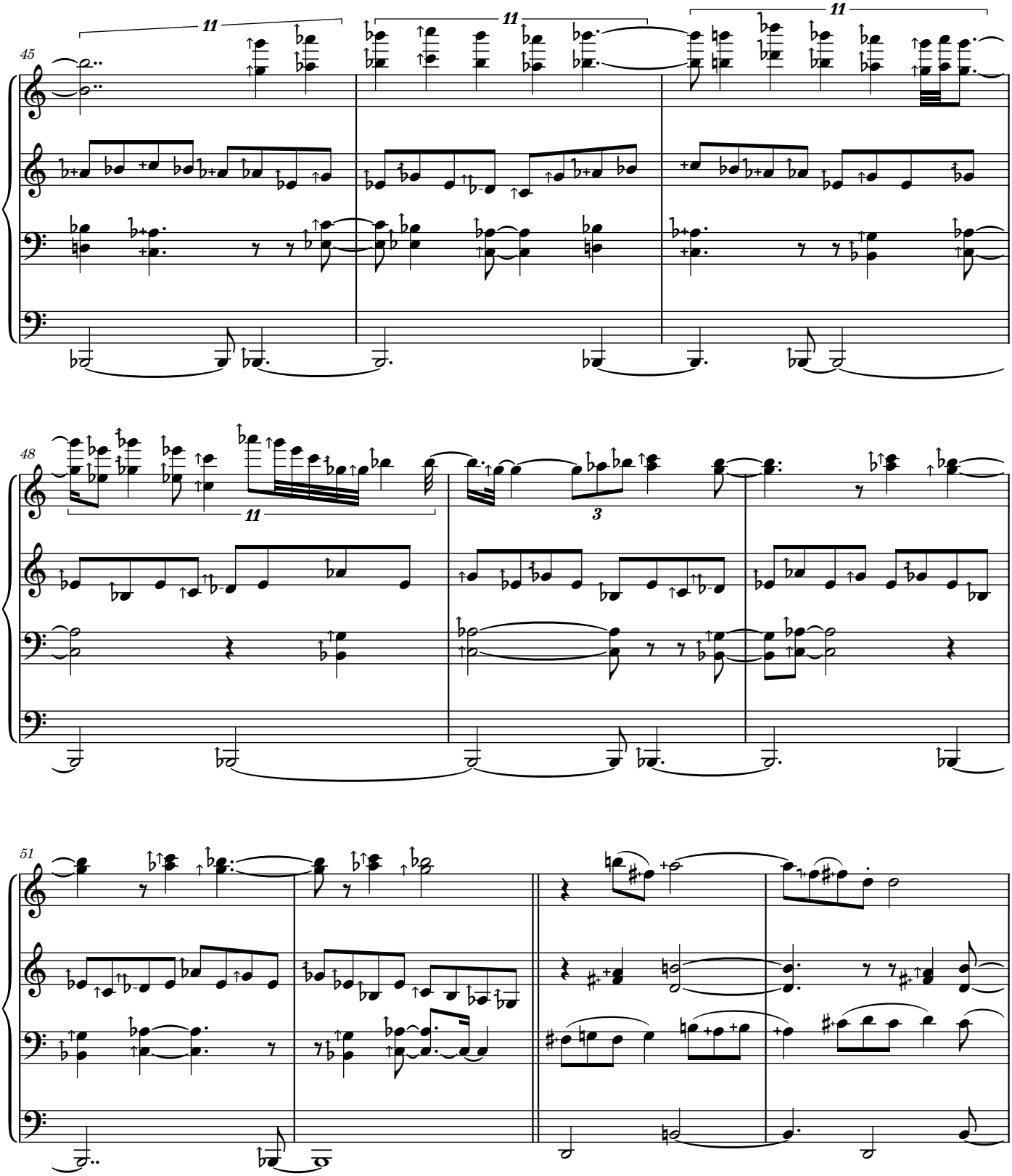

24
3
9
3
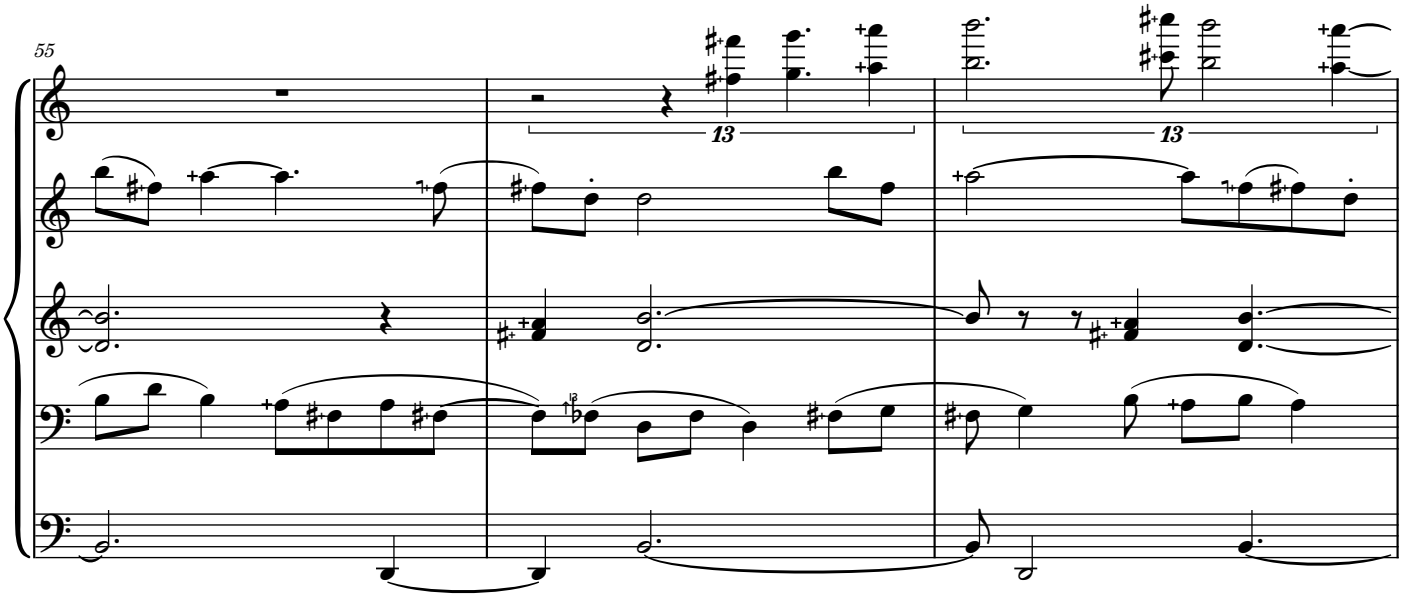

27
3
7:6
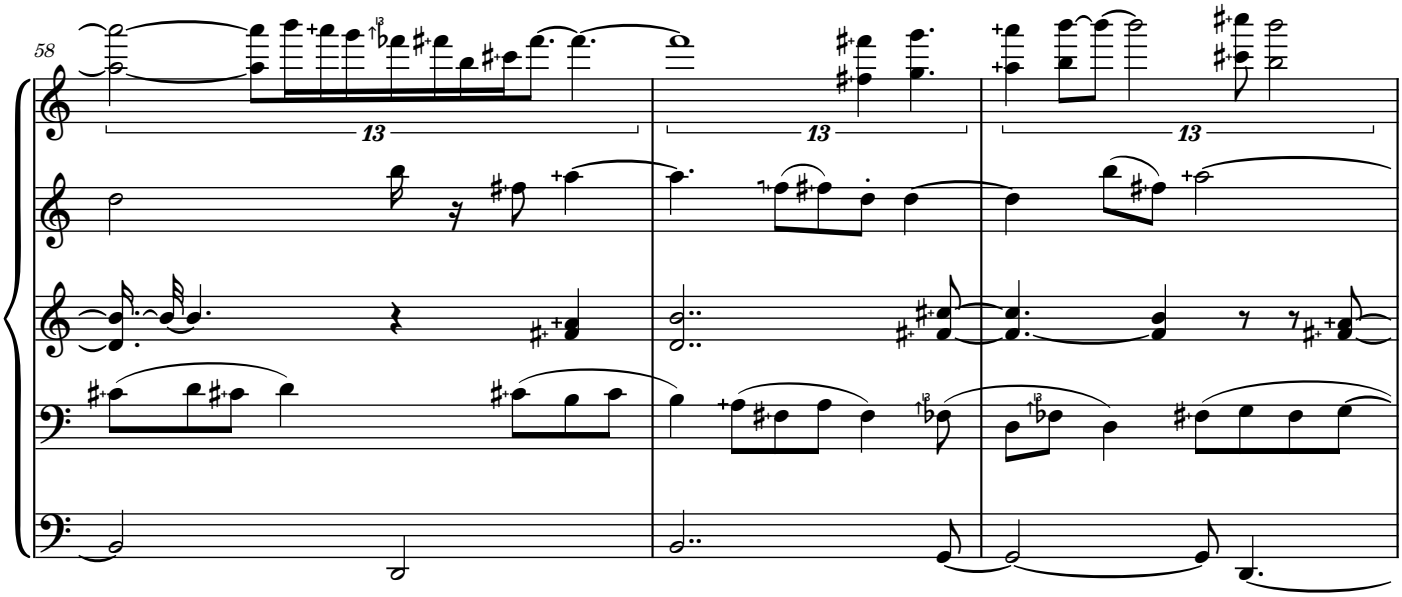

30
3
5:4
5:4
5

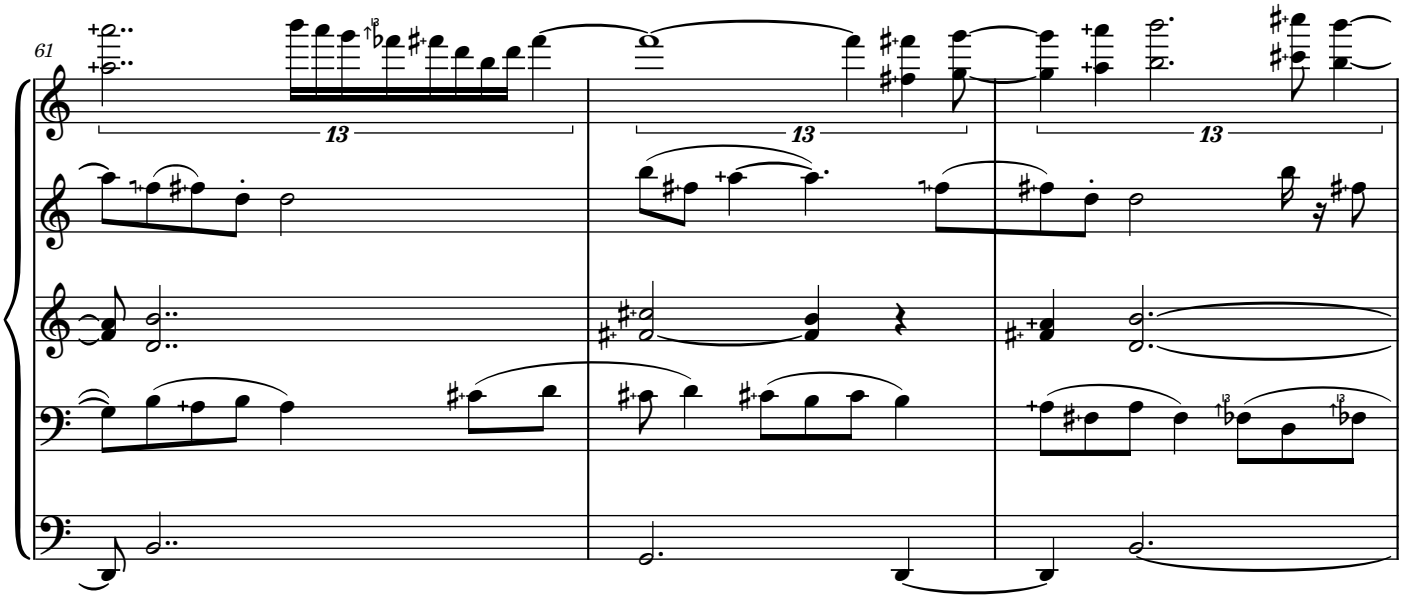

33
5
5
5
5
11

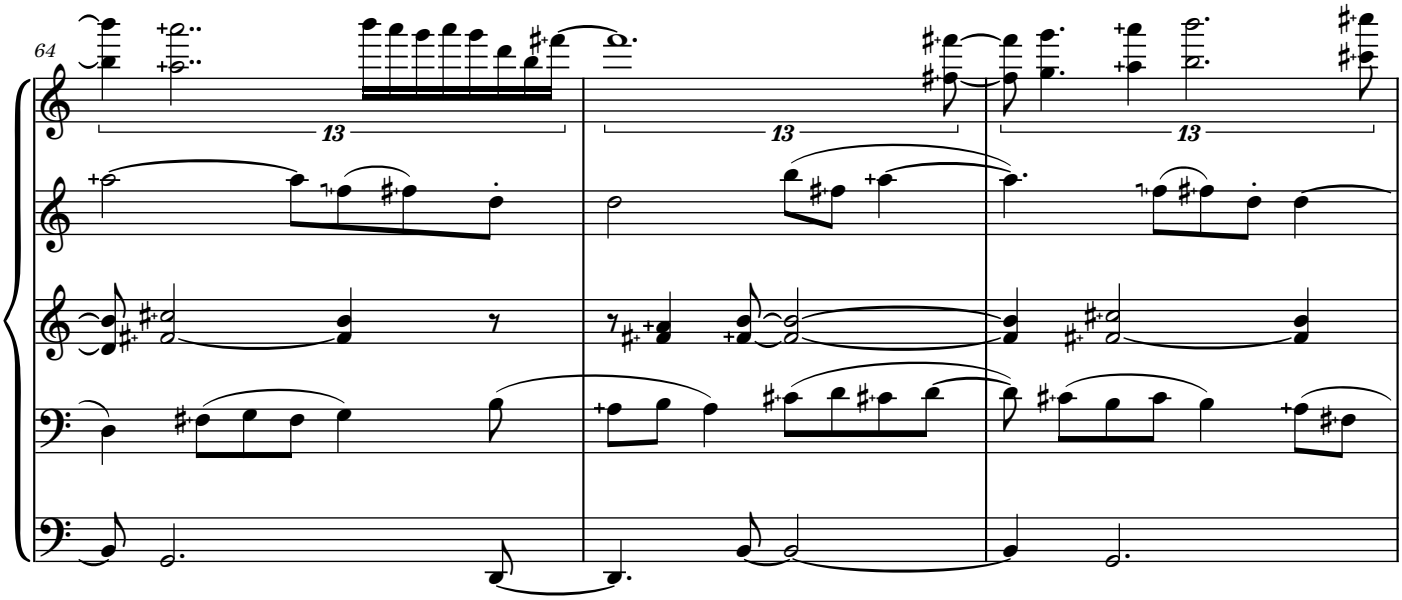

36
11
11
11
5
39
11
11
11
42
11
11
5
11
5
5

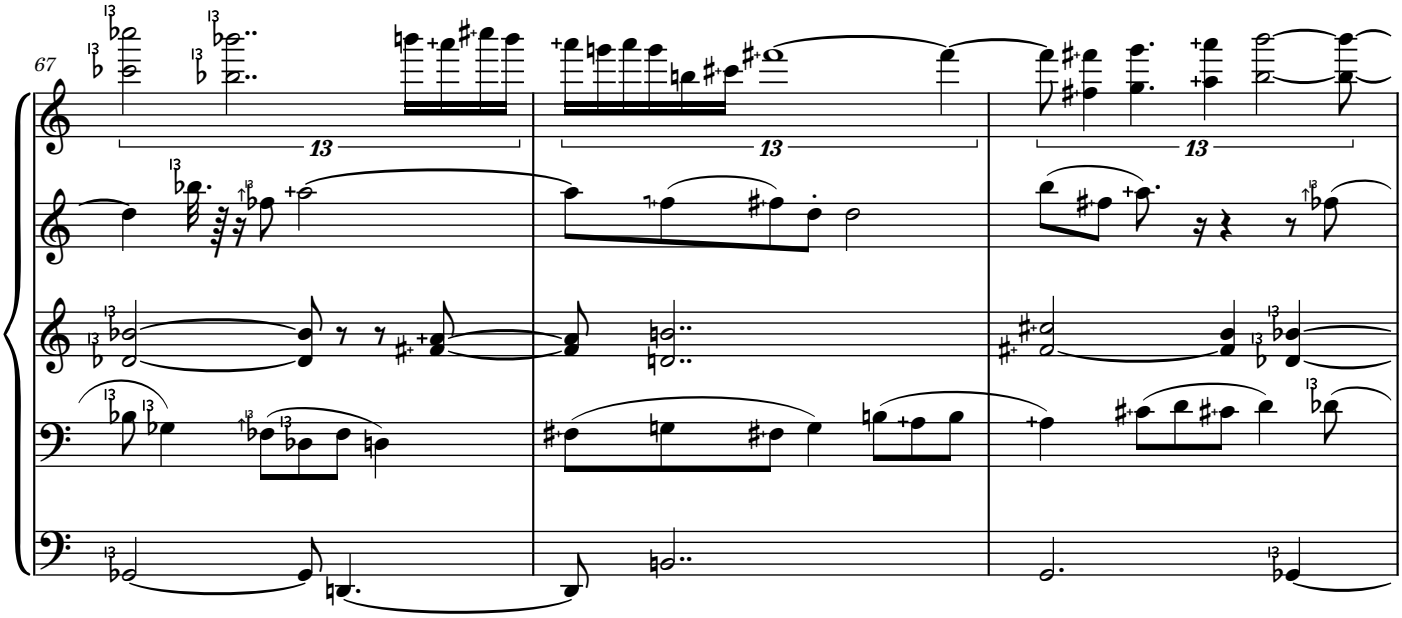

45
11
11
11
48
11
3
51

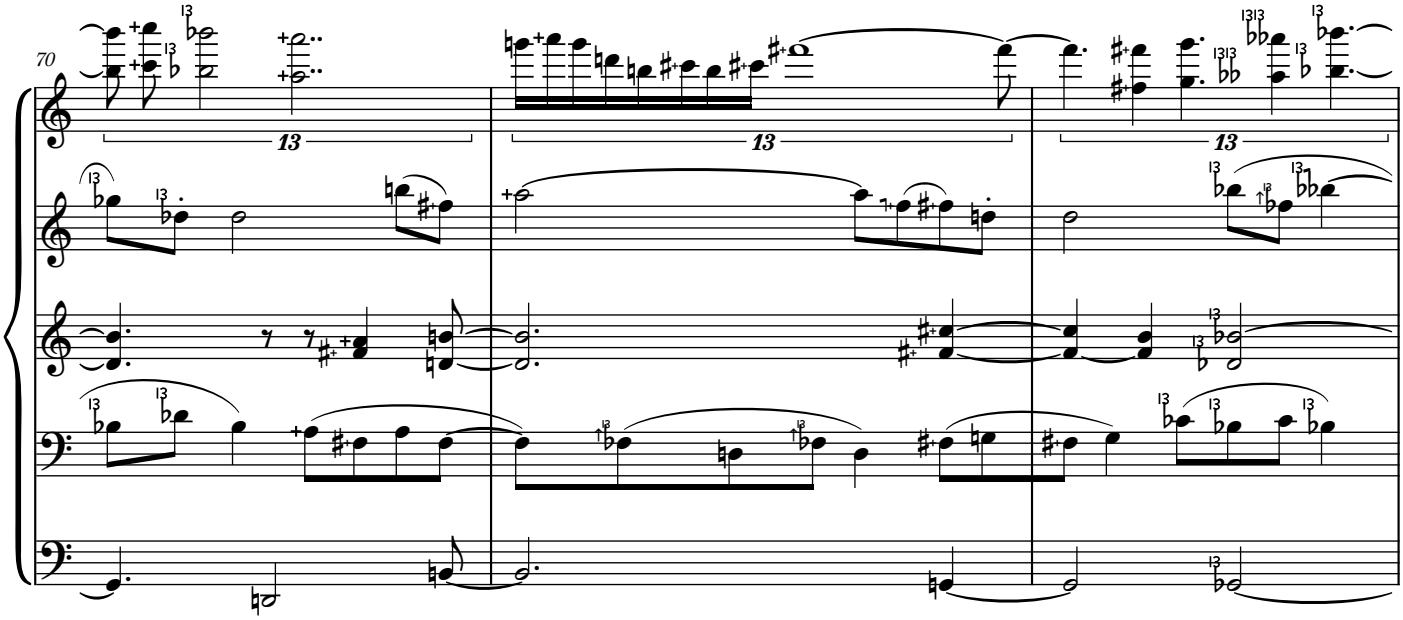

55
13
13
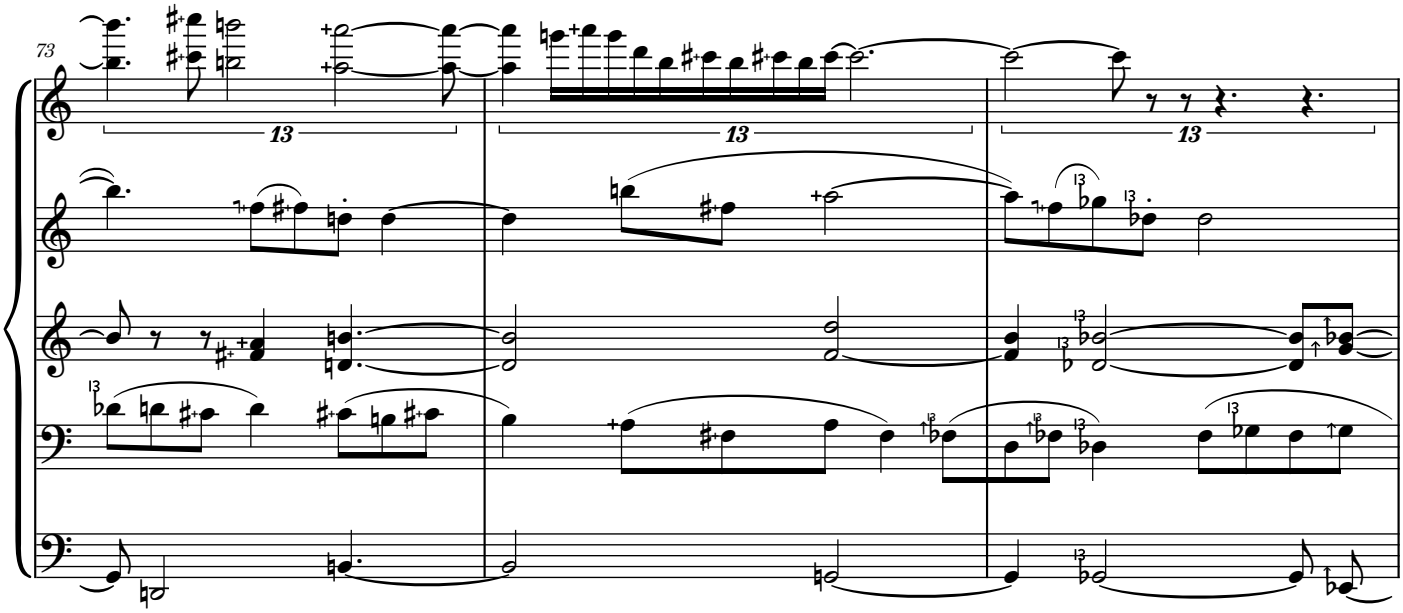

58
13
13
13

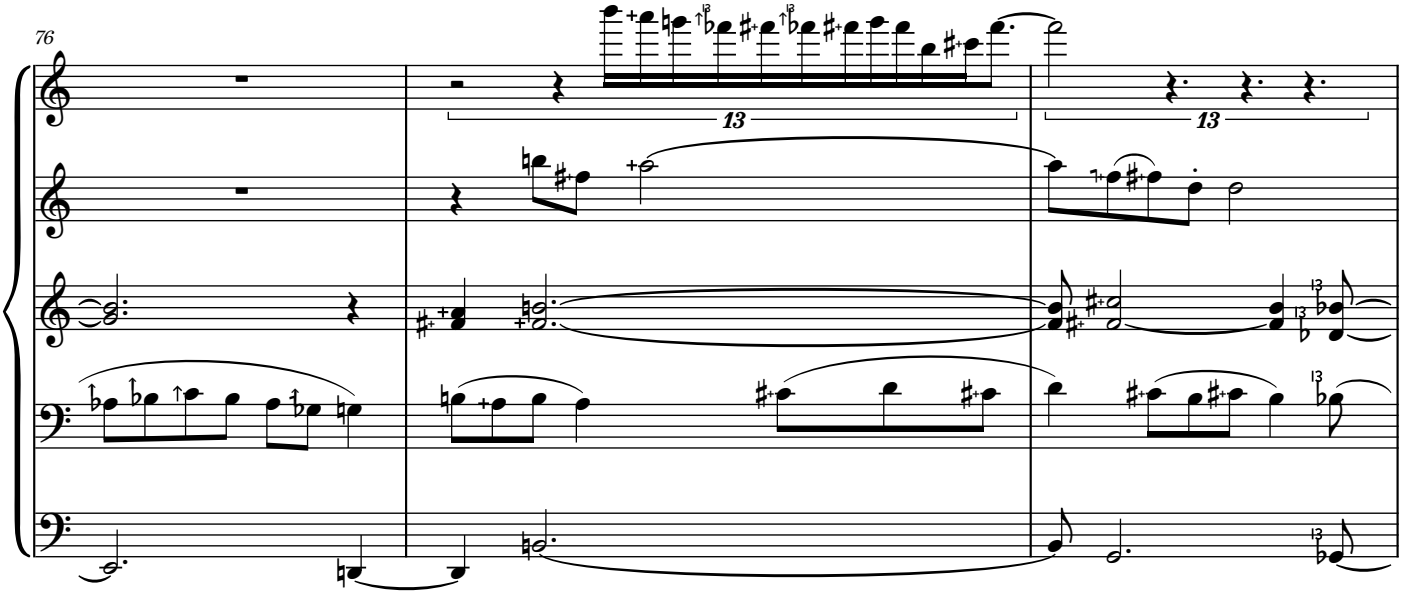

61
13
13
13
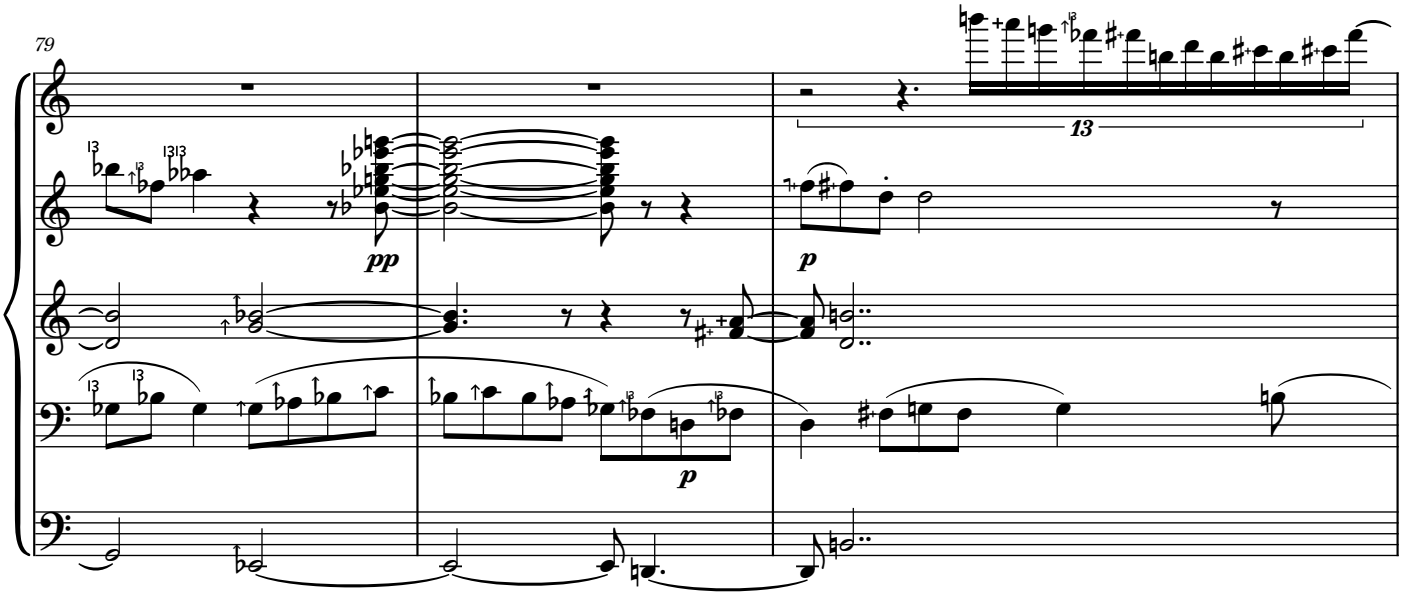

64
13
13
13

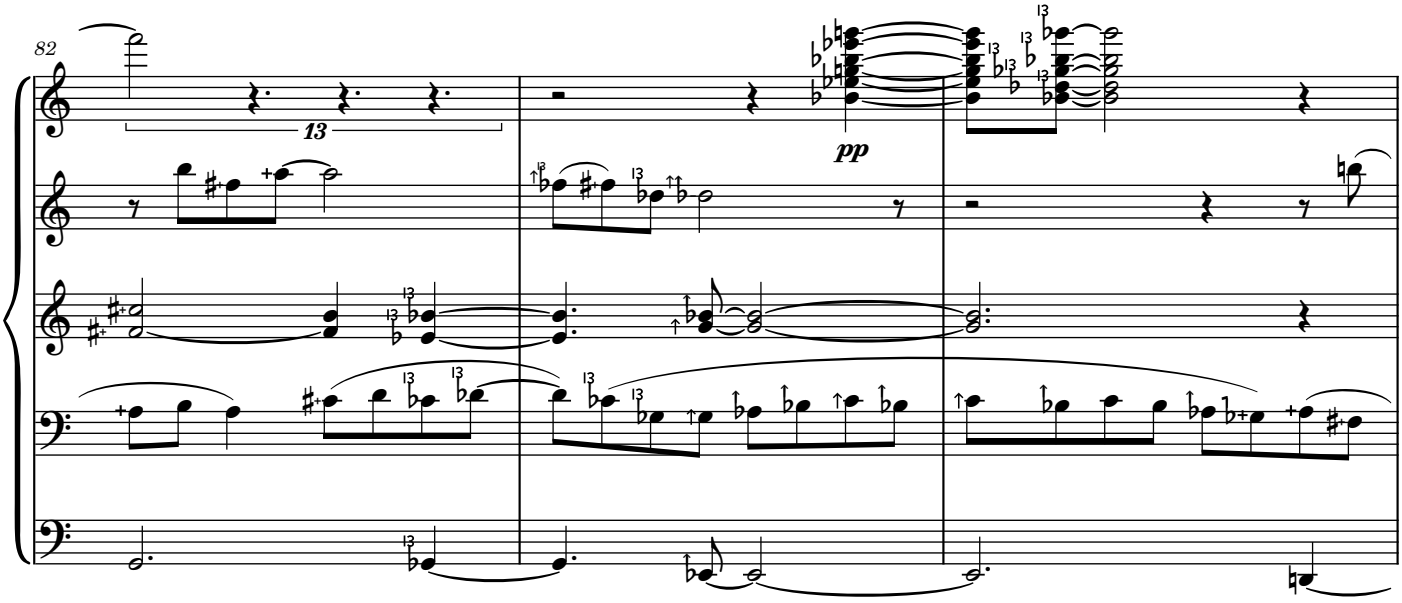

67
13
13
13

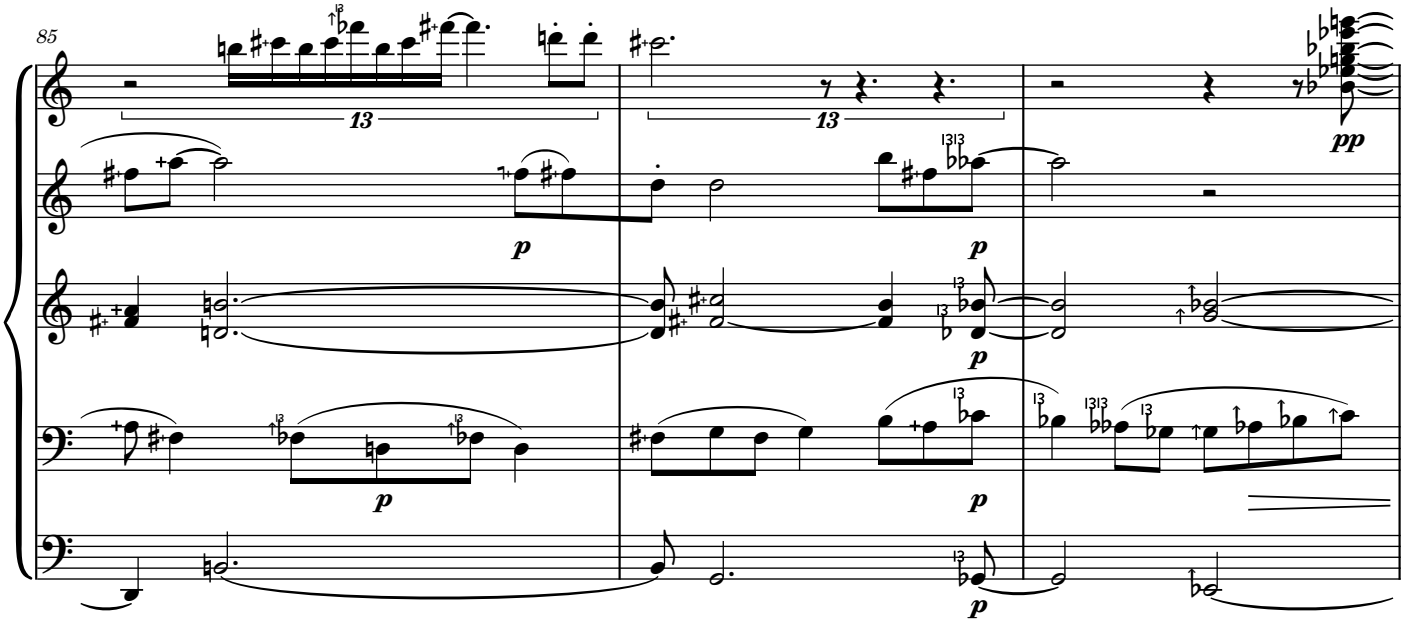

70
13
13
13
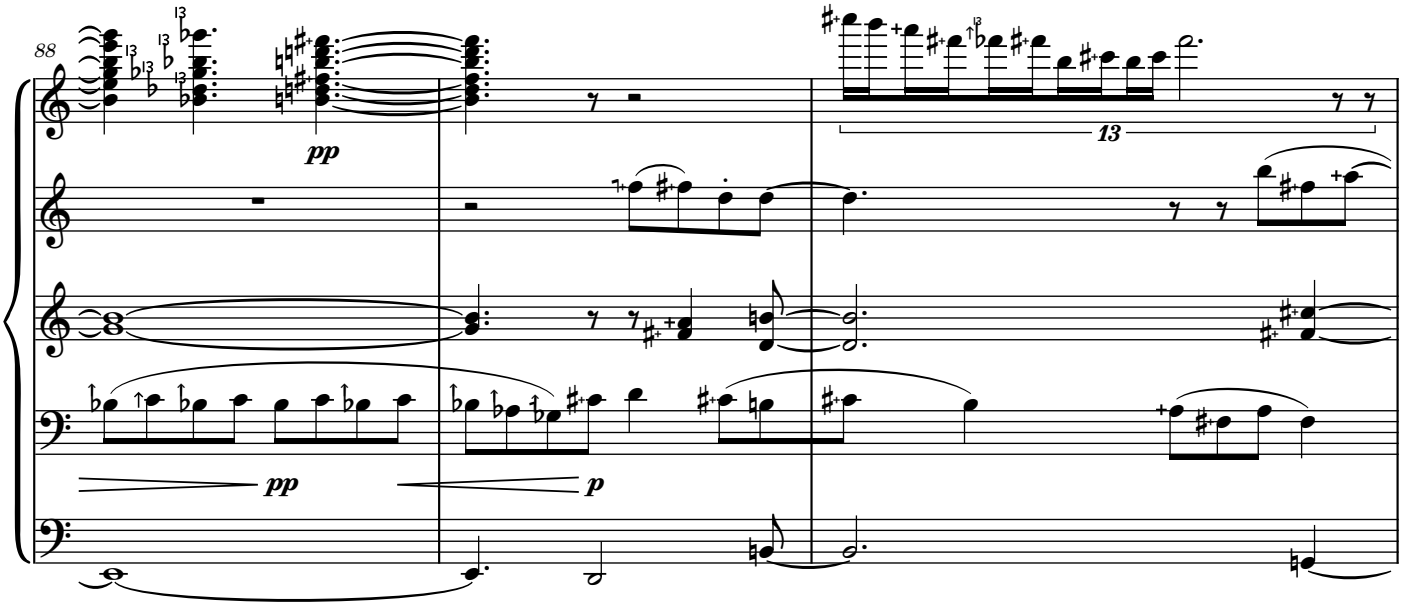

73
13
13
13
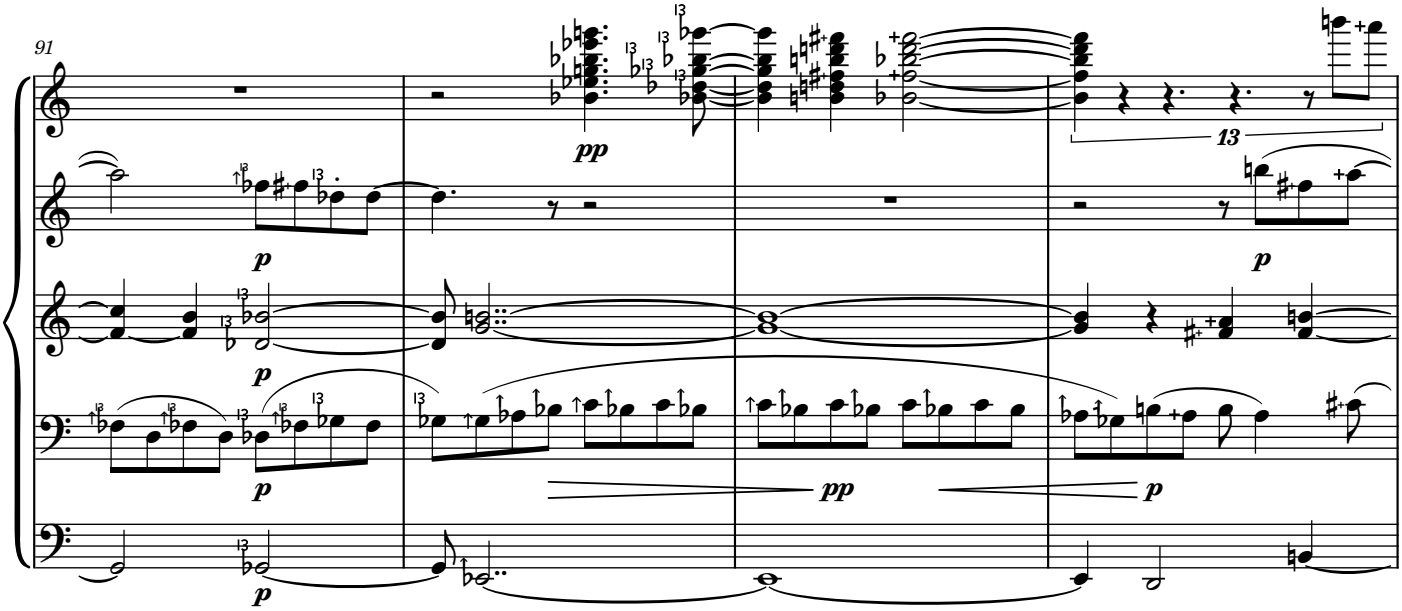

76
13
13
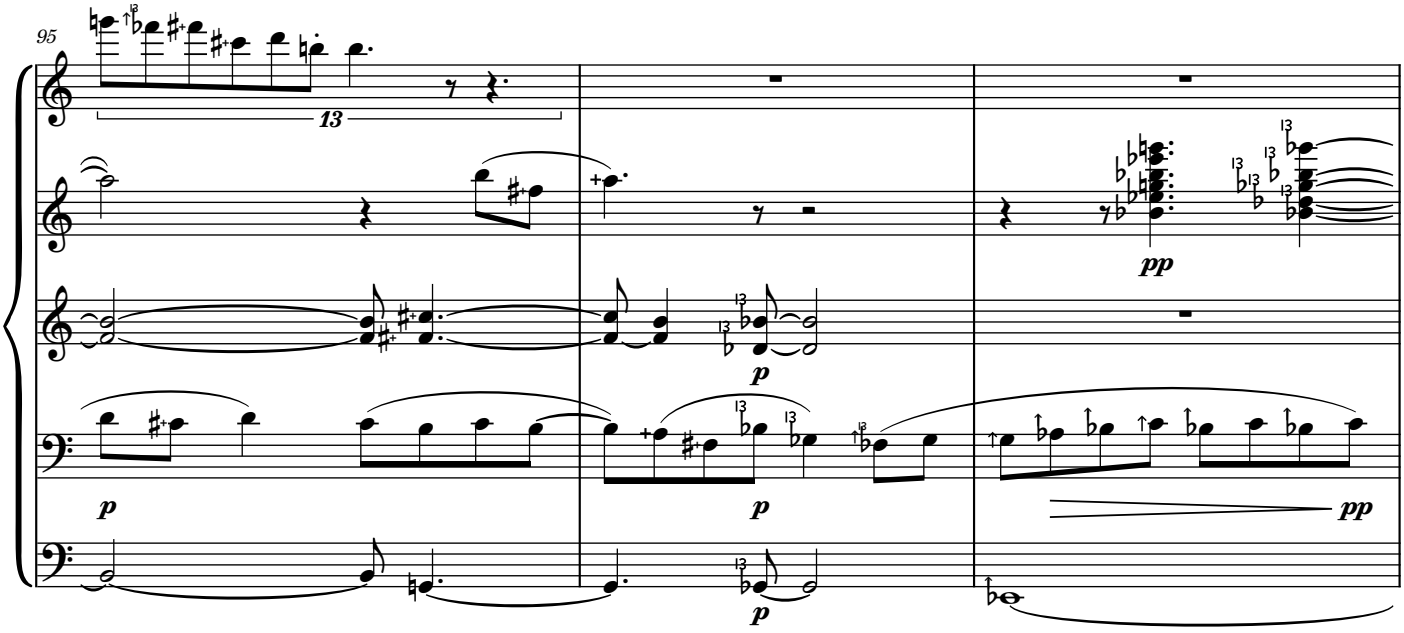

79
13
pp
p
p
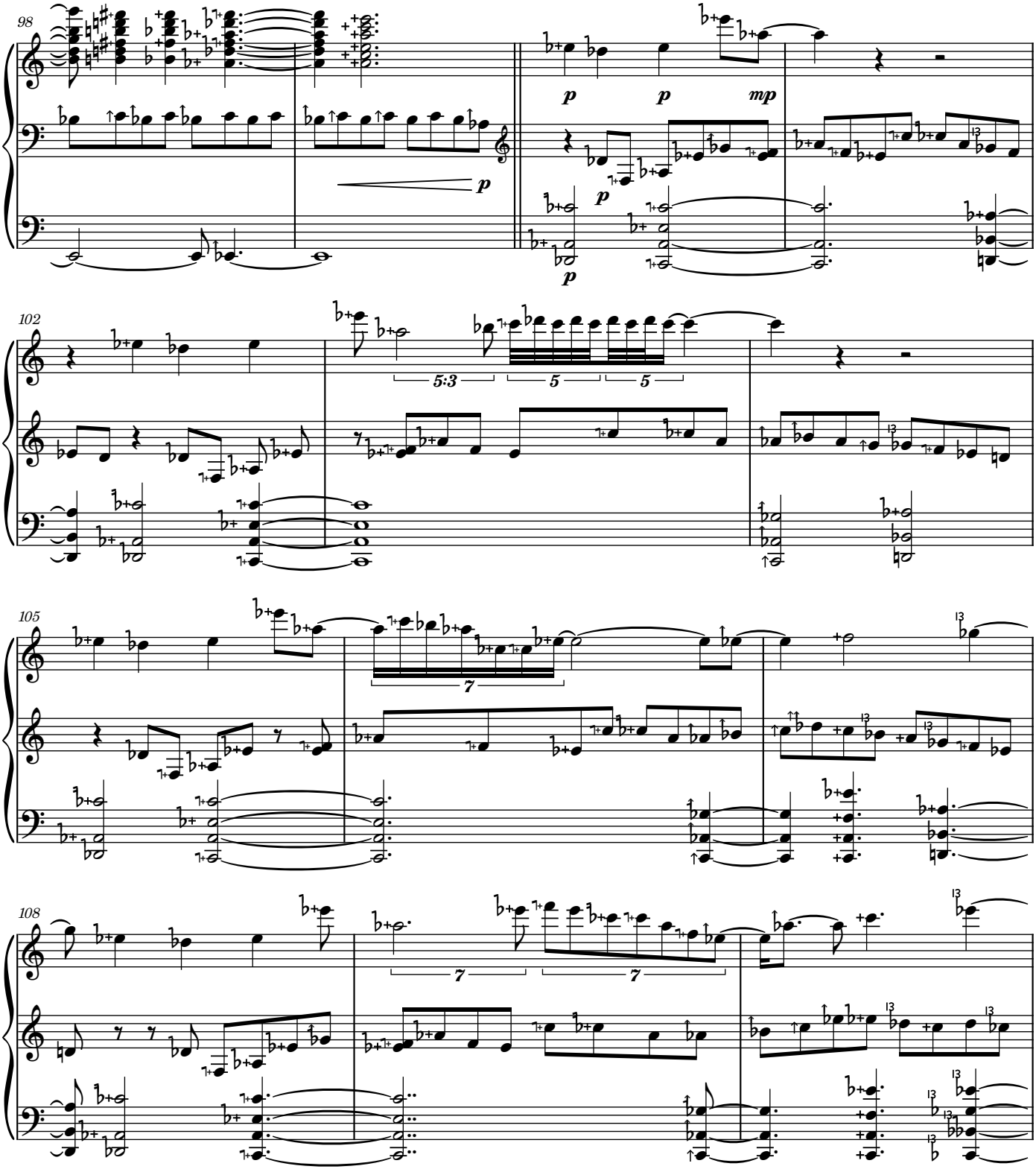

82
13
pp
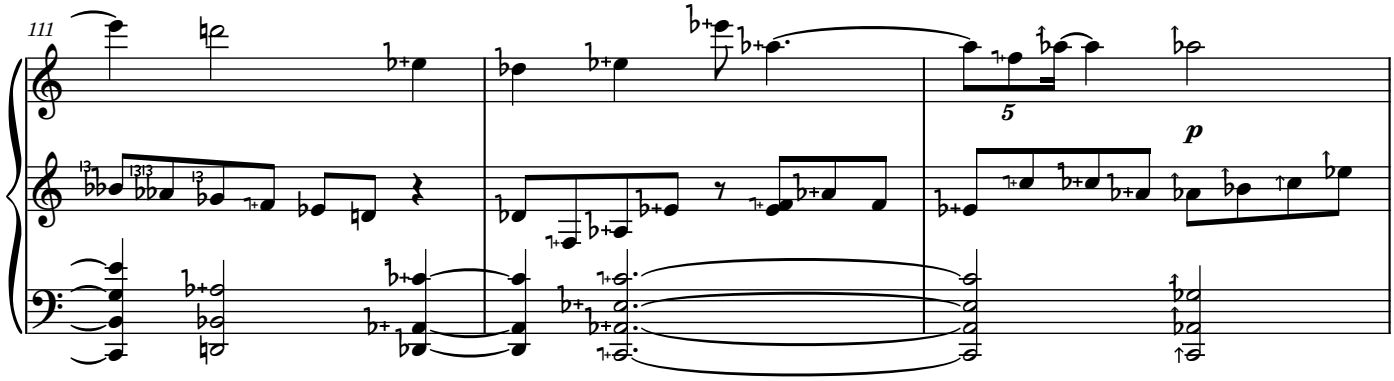

85
13
13
pp
p
p
p
p
p

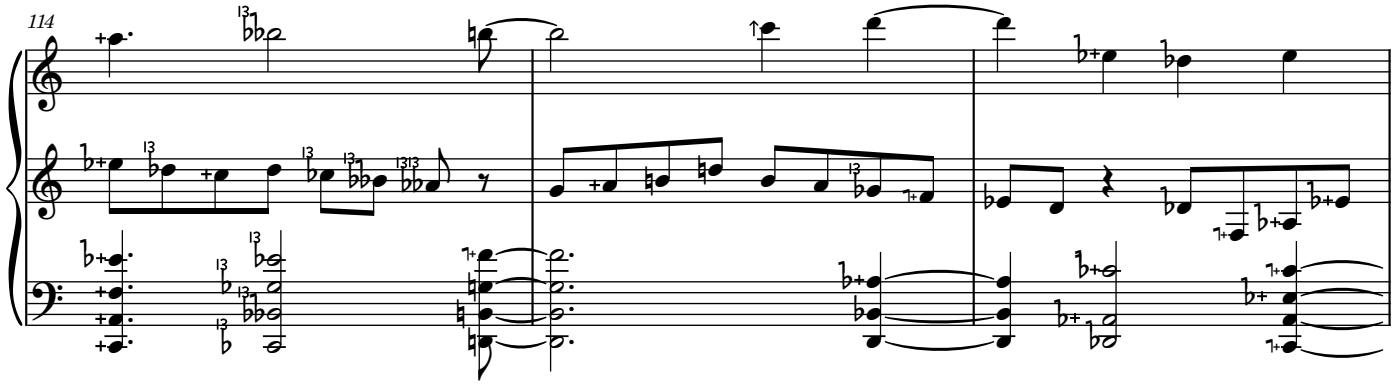

88
pp
13
pp
p

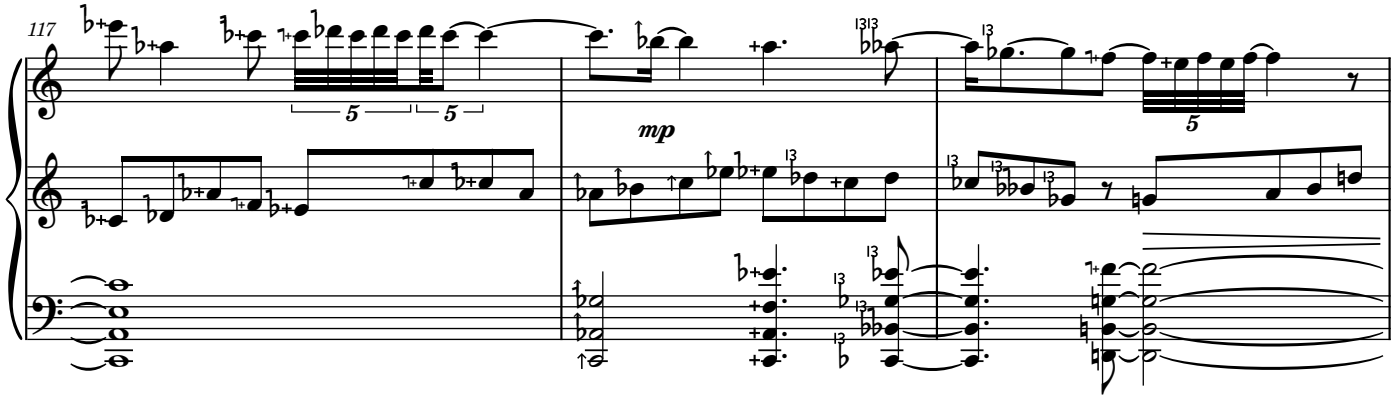

91
pp
13
p
p
p
pp
p
p
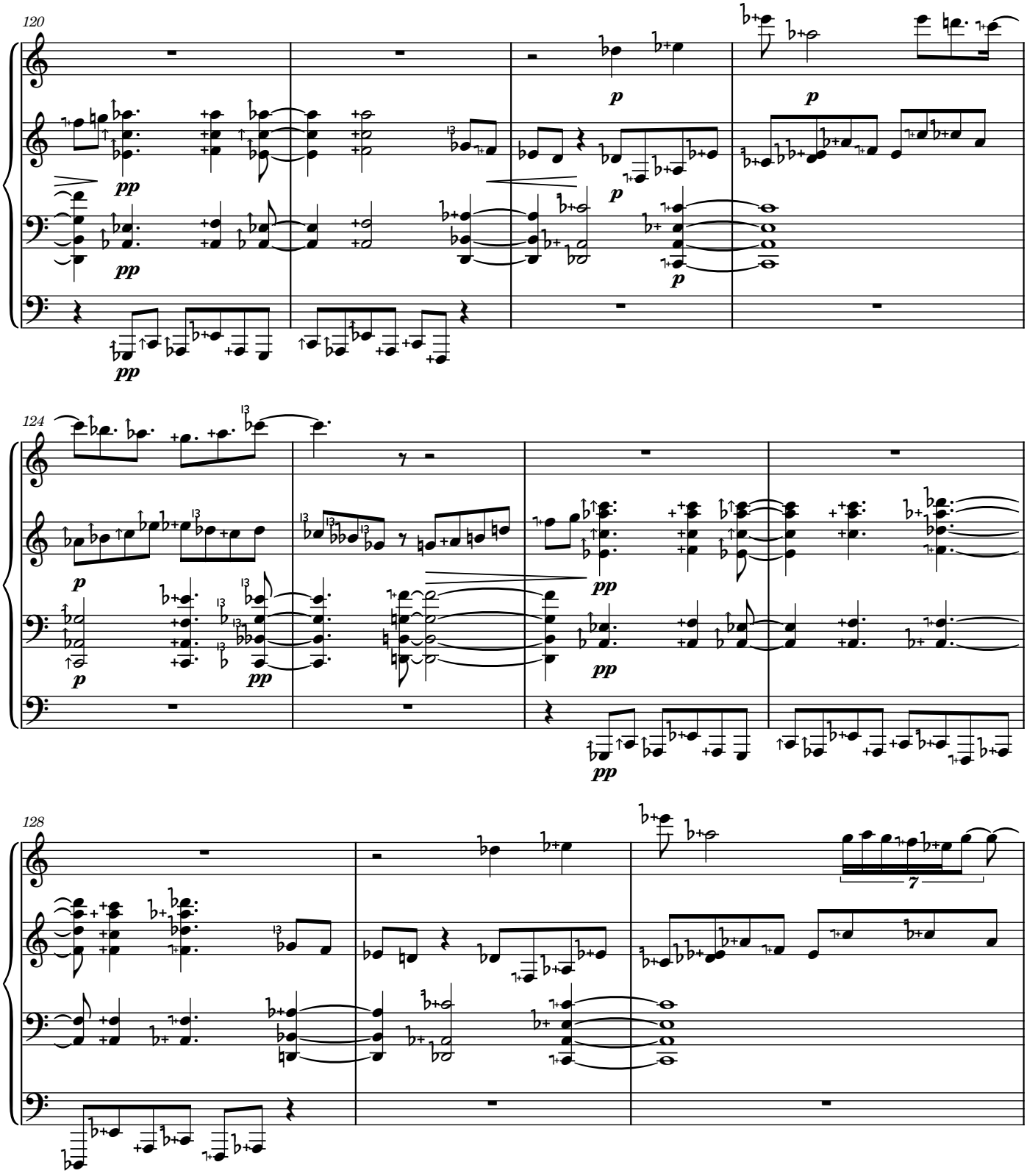

95
13
pp
p
p
p
pp
p
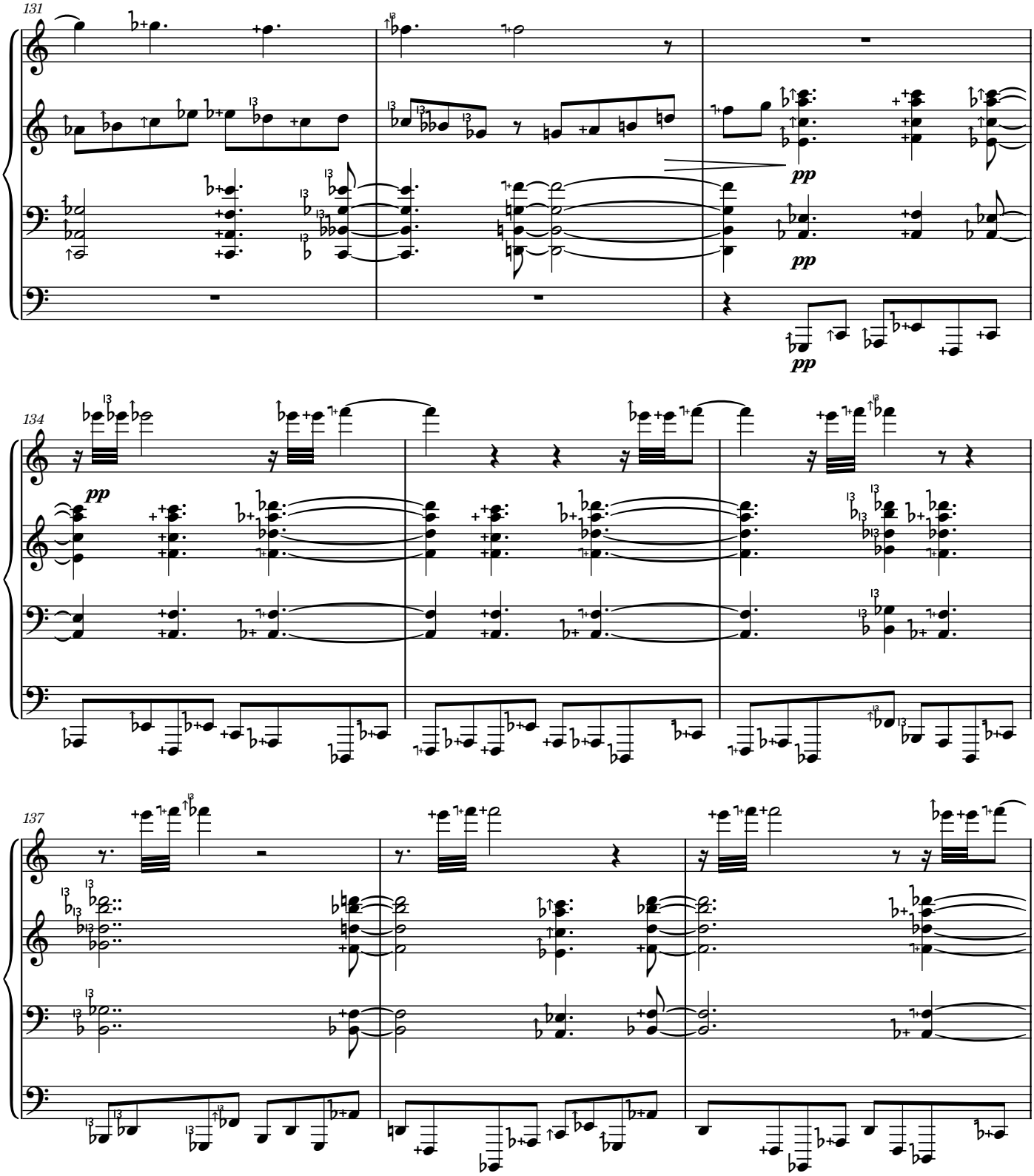

98
p
p
mp
p
p
102
5:3
5
5
105
7
108
7
7
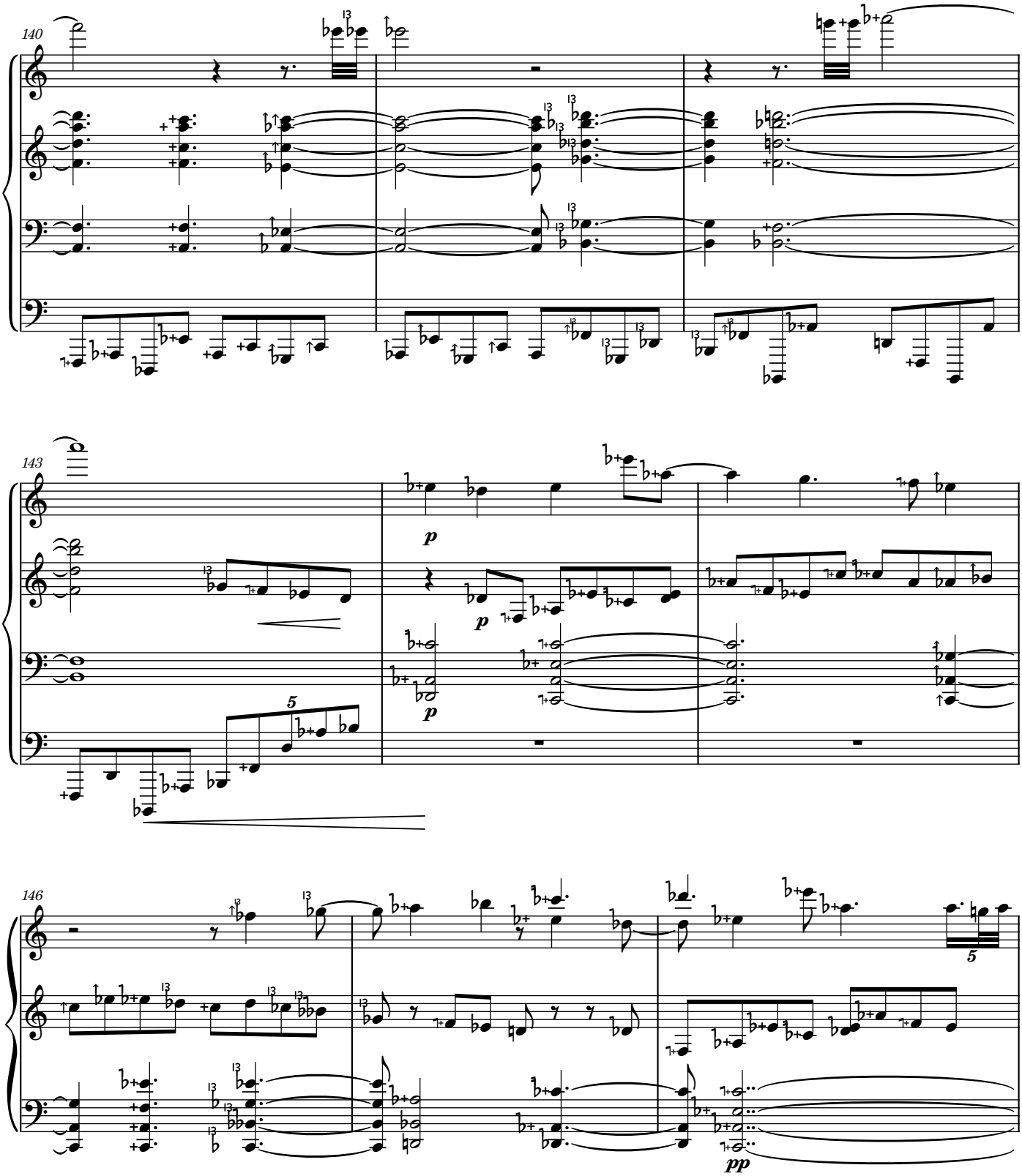

111
5
p
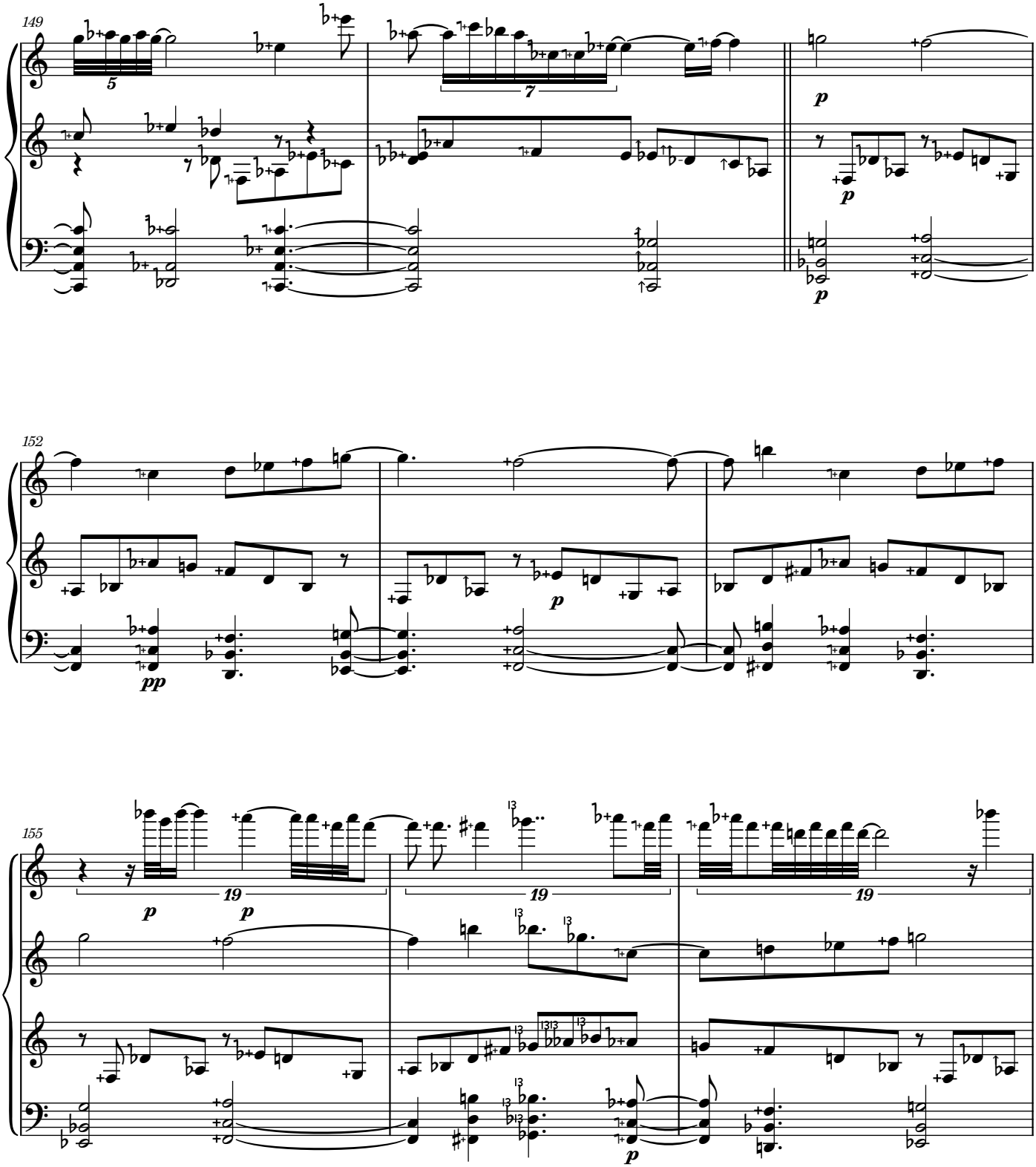

114
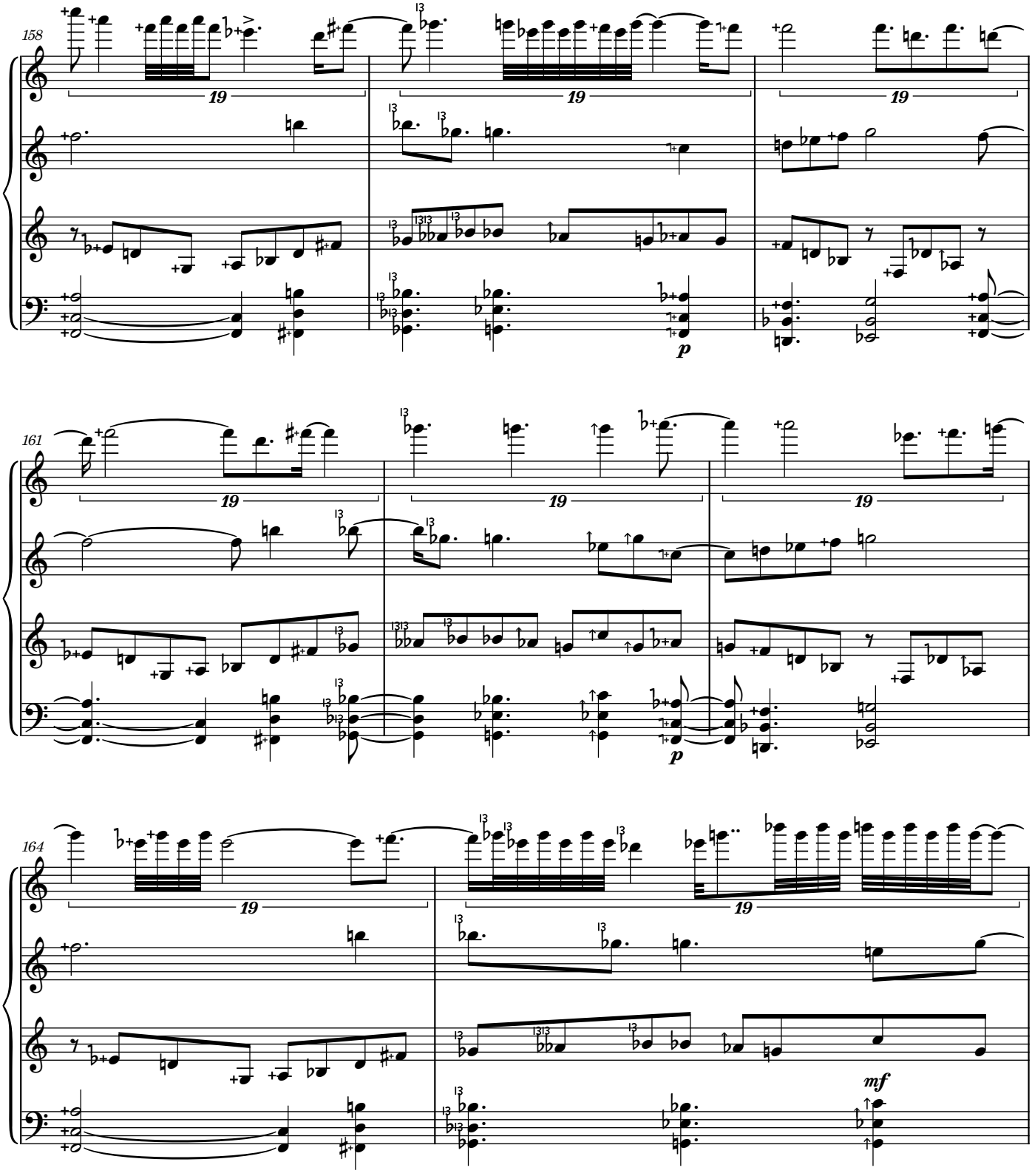

117
5
5
mp
5
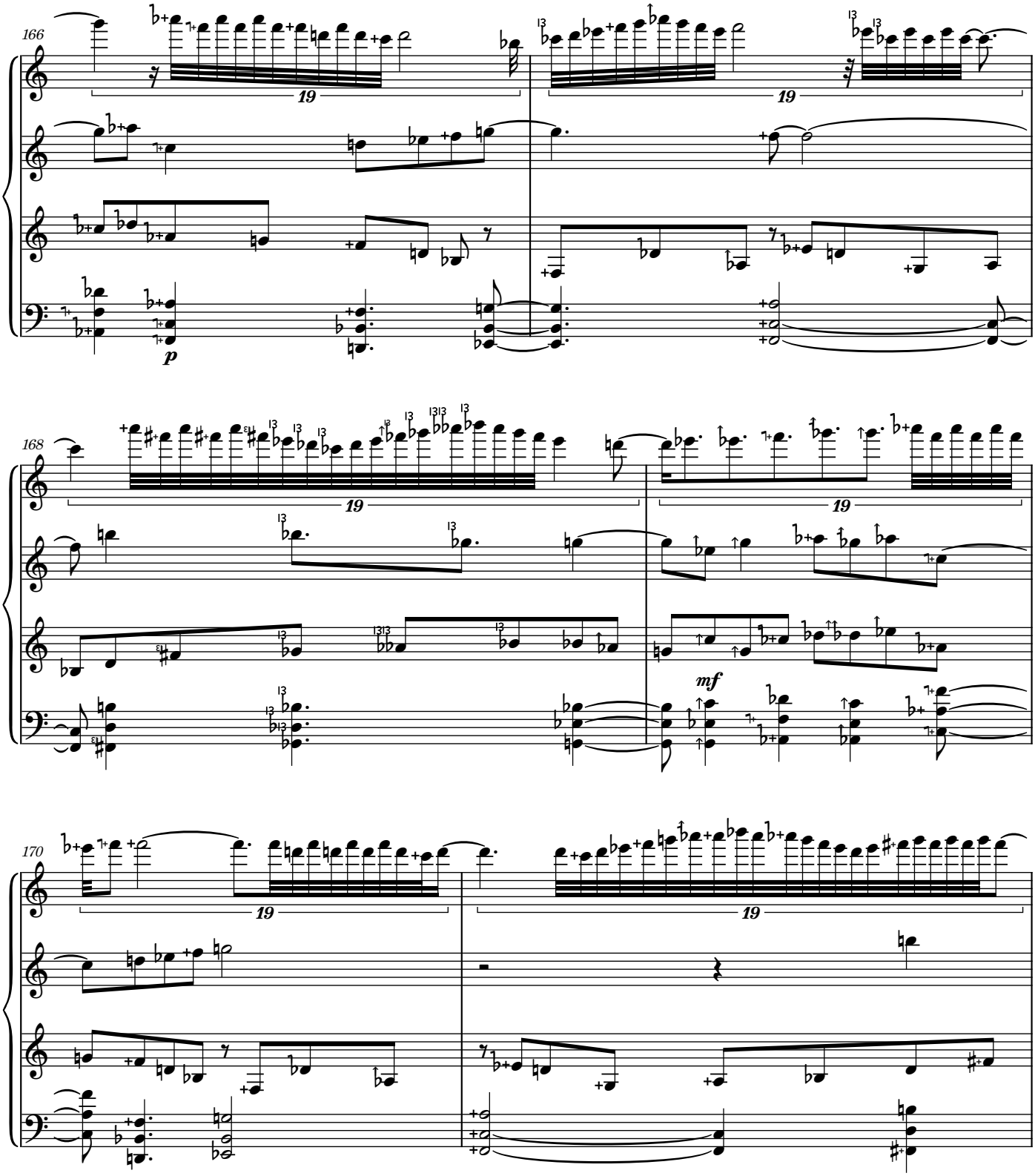

120
124
128
7
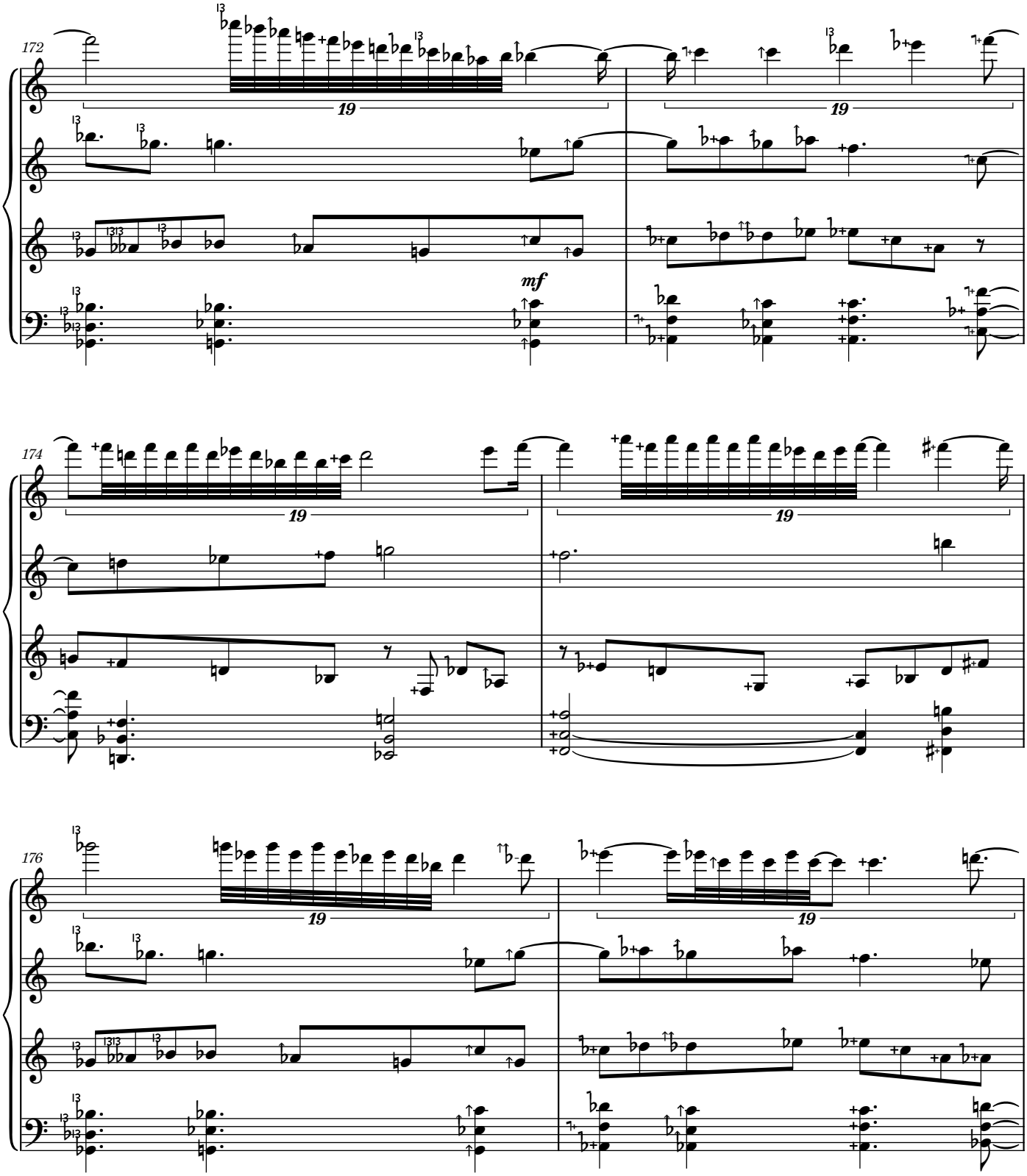

131
pp
pp
pp
134
pp
137
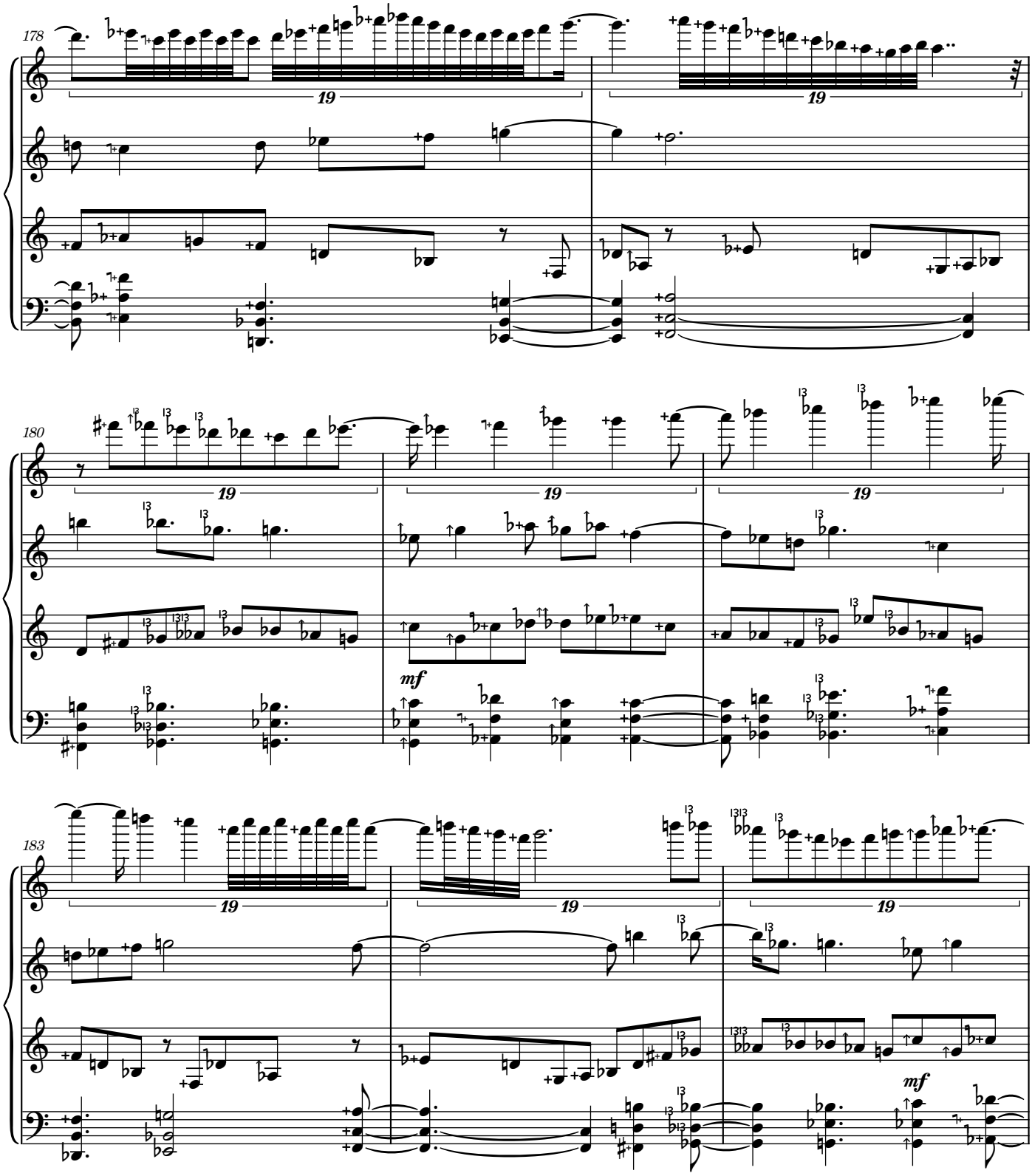

140
143
146
p
p
p
5
5
pp
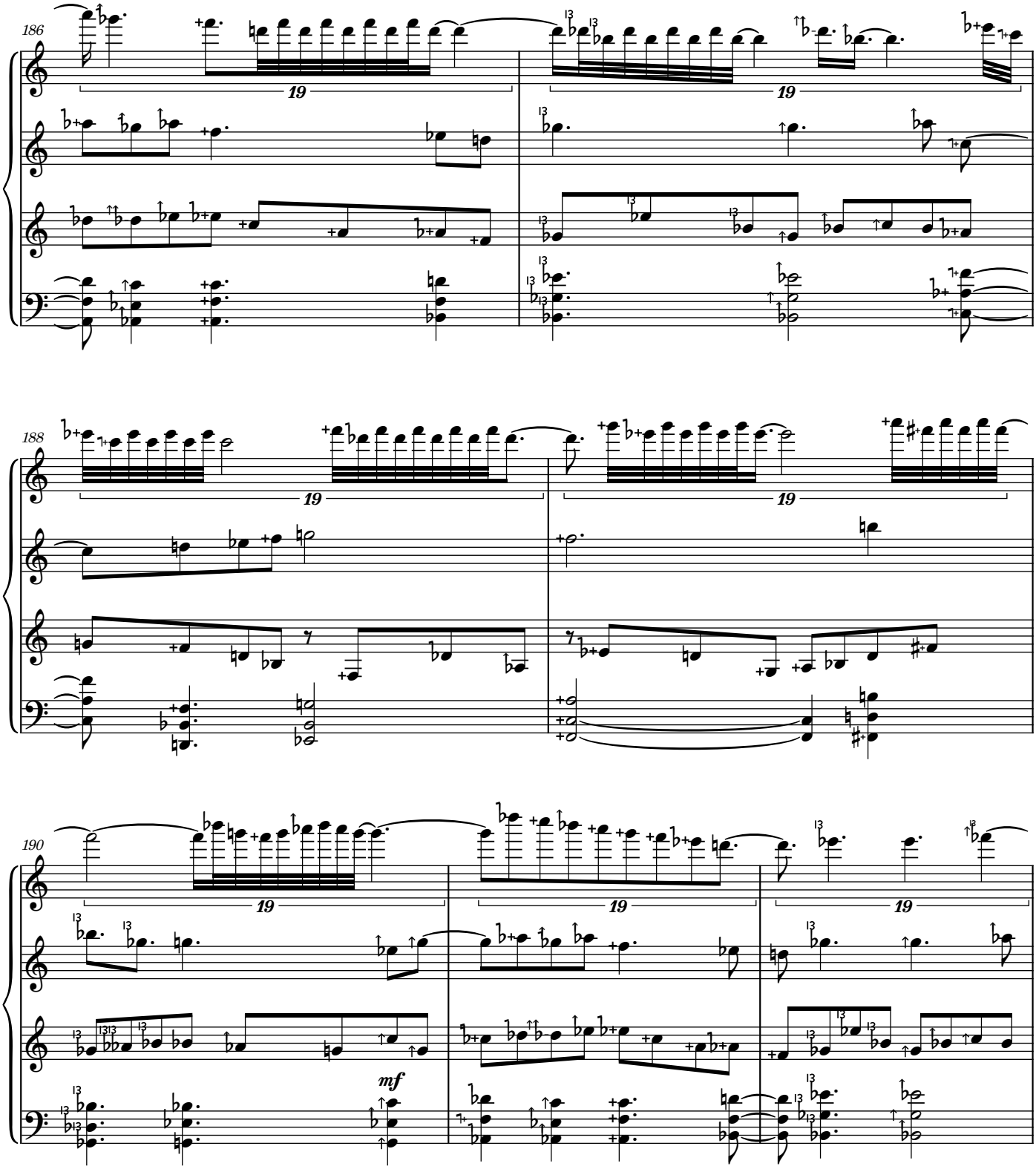

149
5
7
p
p
p
152
pp
p
155
19
p
19
p
19
p
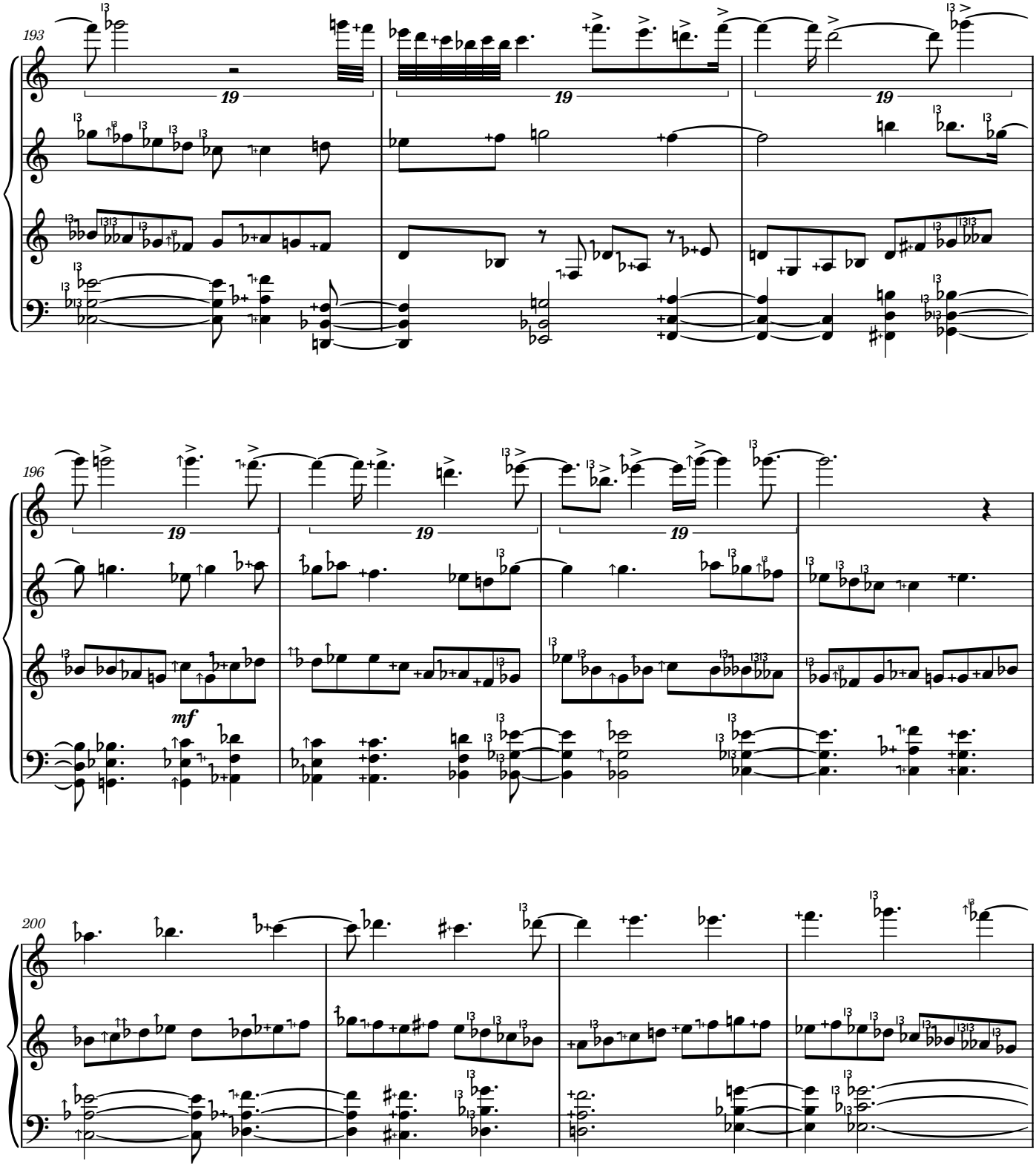

158
19
19
19
p
161
19
19
19
p
164
19
19
mf
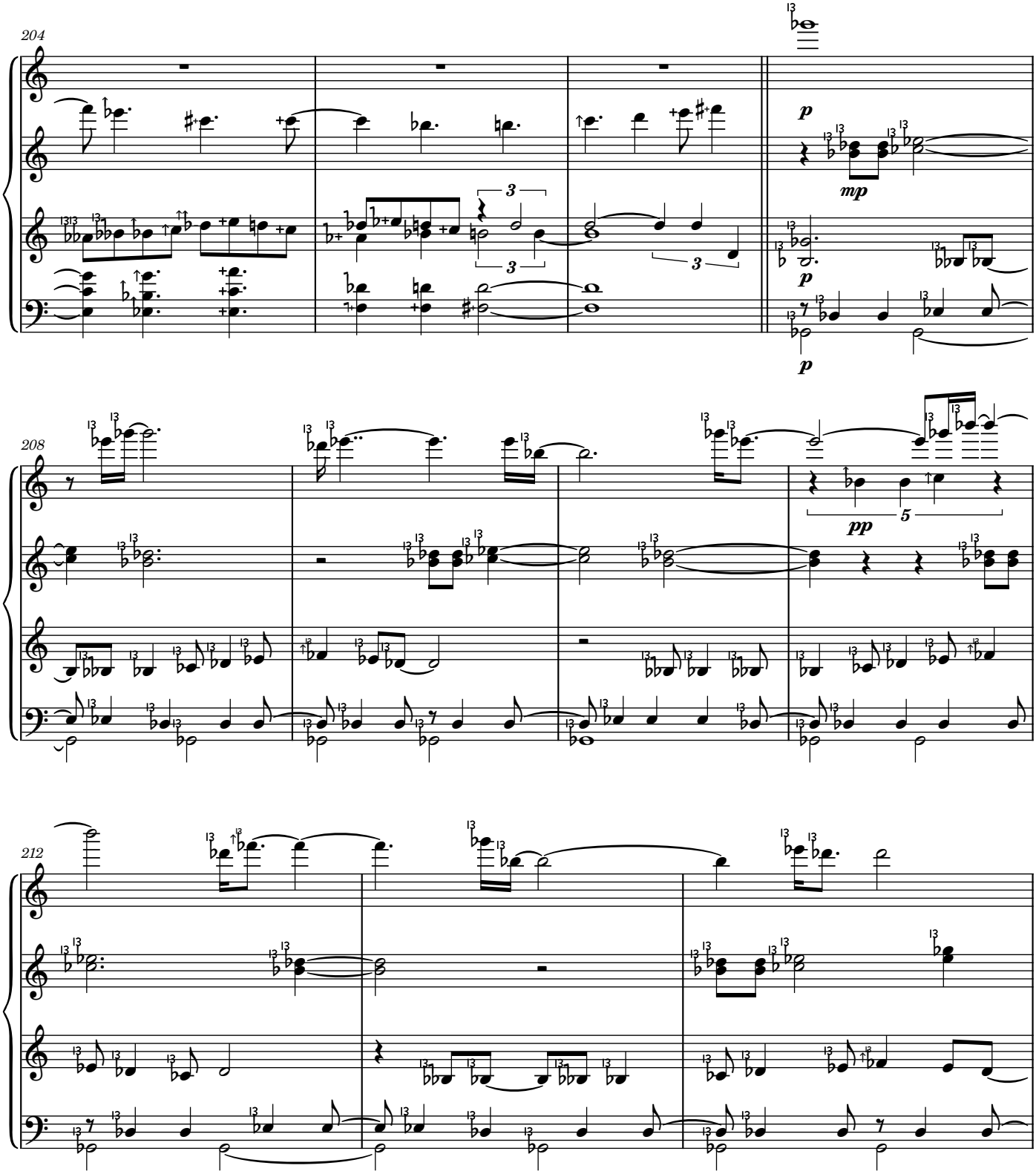

166
19
19
p
168
19
19
mf
170
19
19
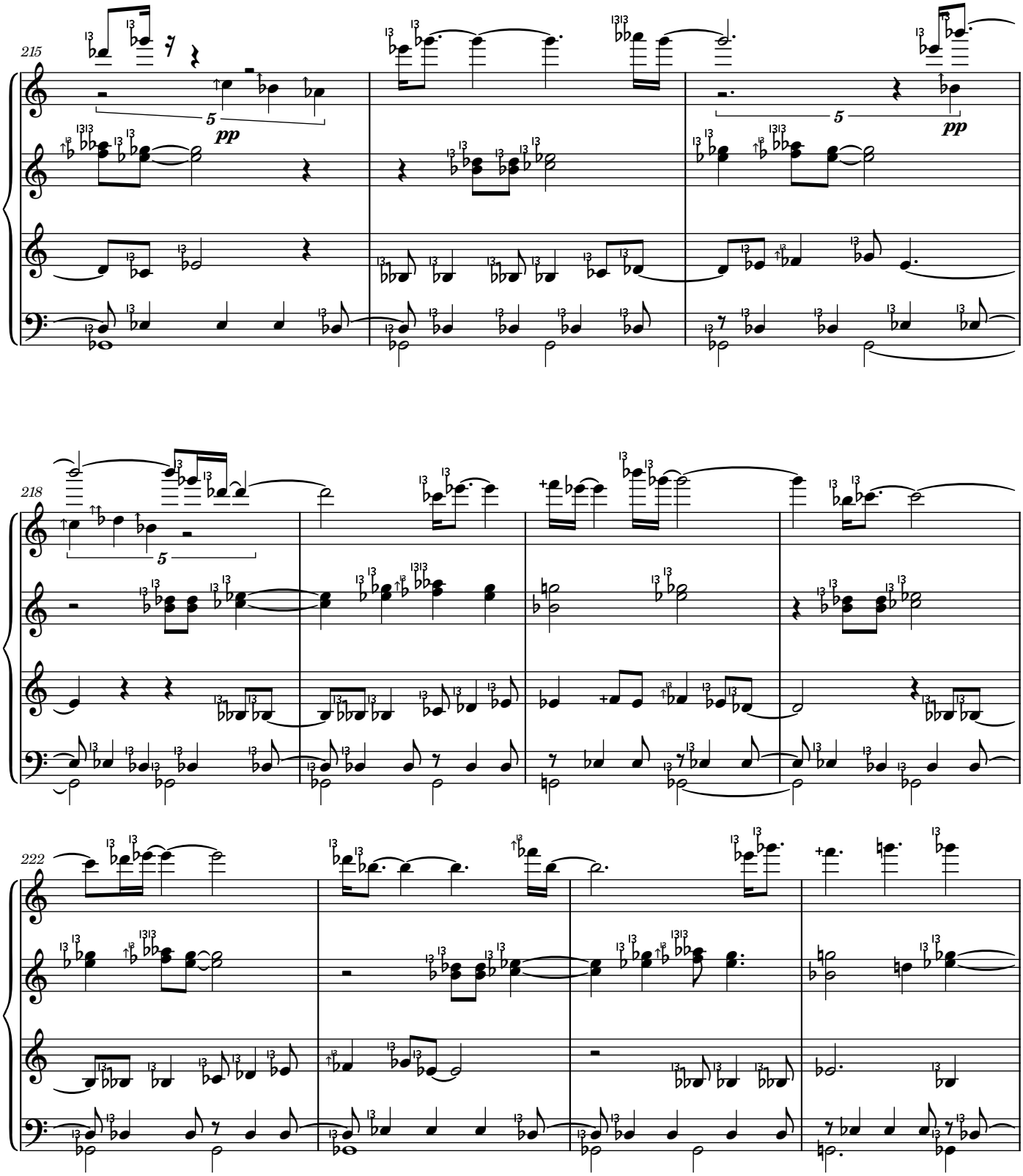

172
19
19
mf
174
19
19
176
19
19
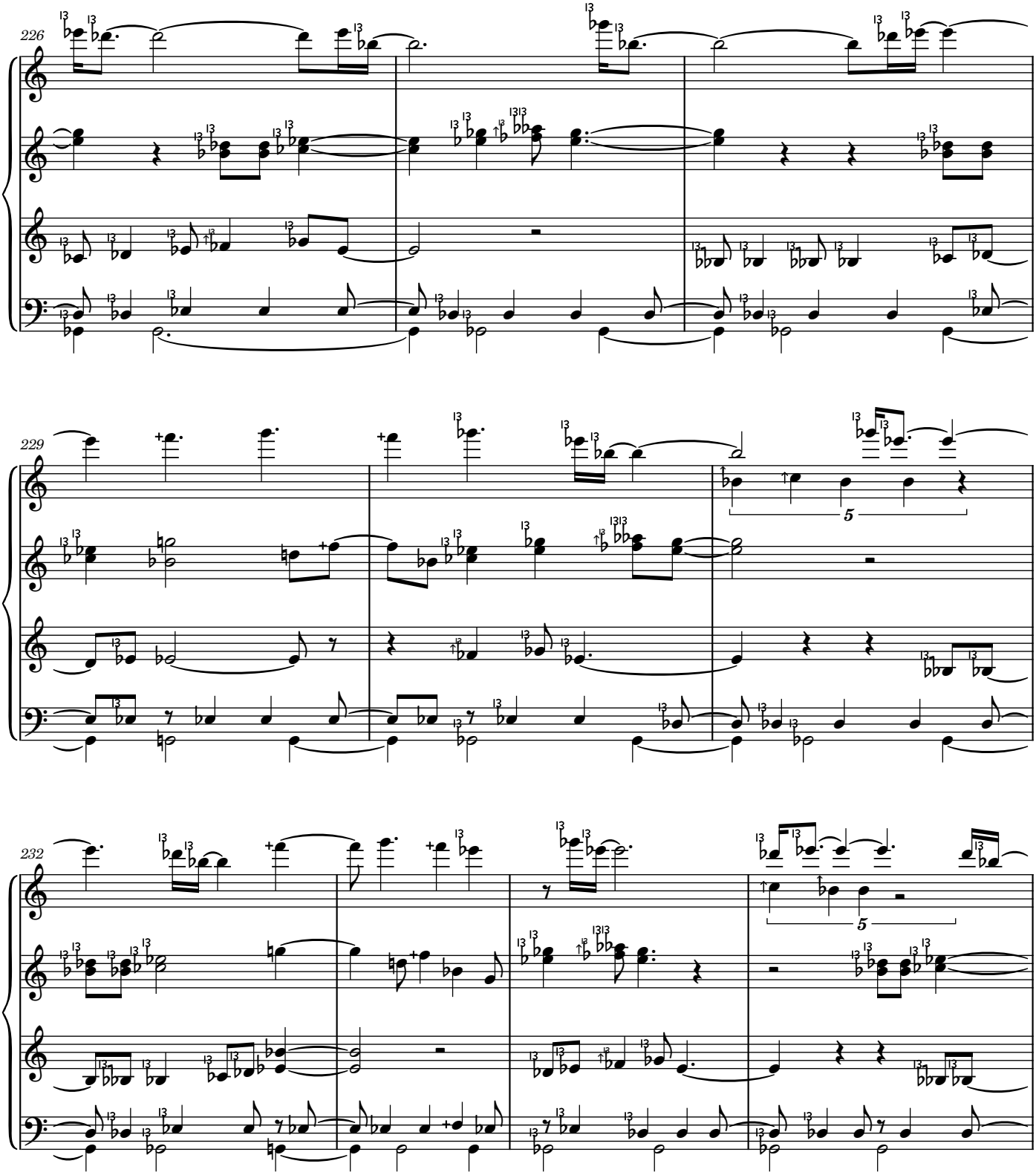

178
19
19
180
19
19
19
mf
183
19
19
19
mf
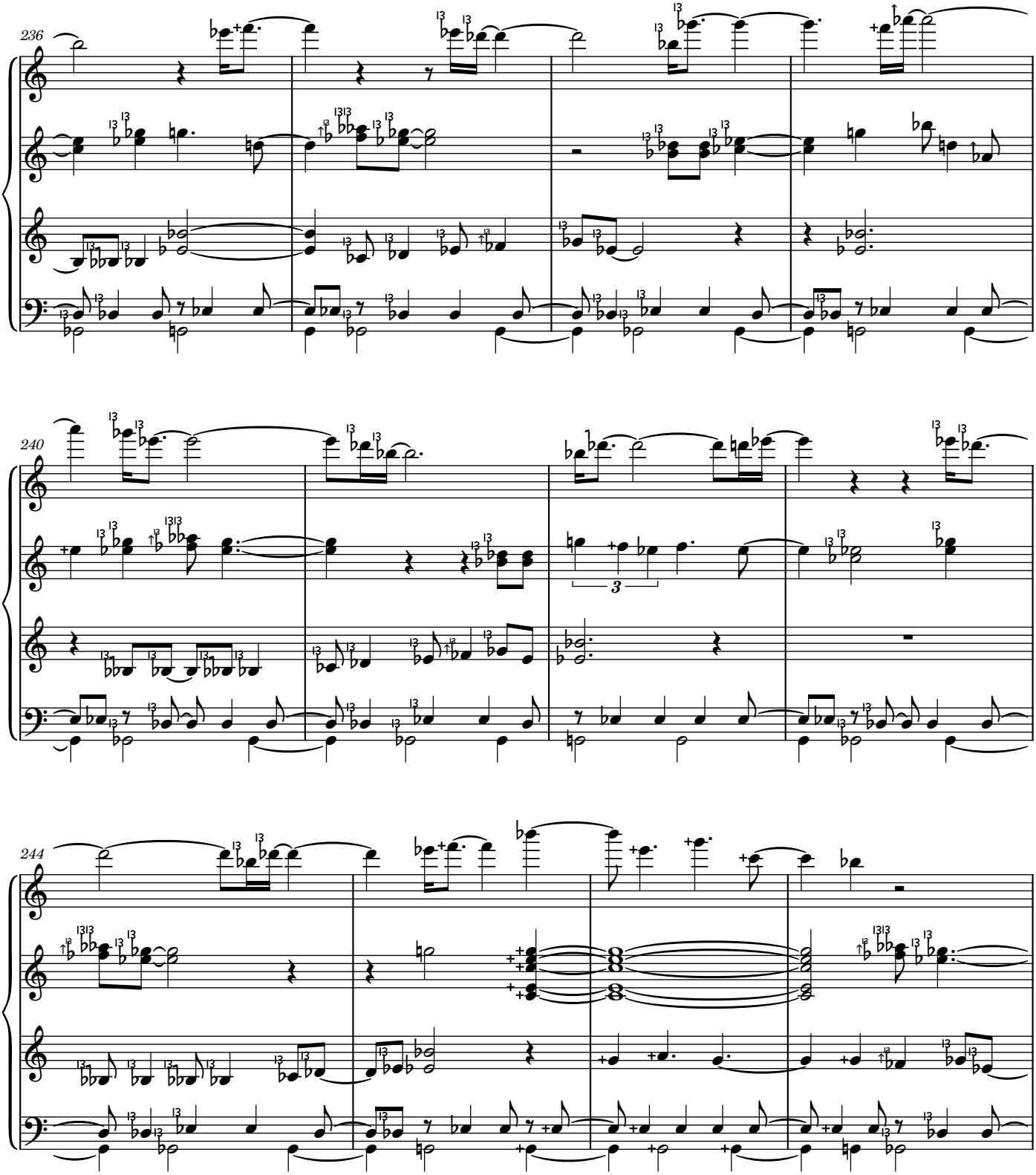

186
19
19
188
19
19
190
19
19
19
mf
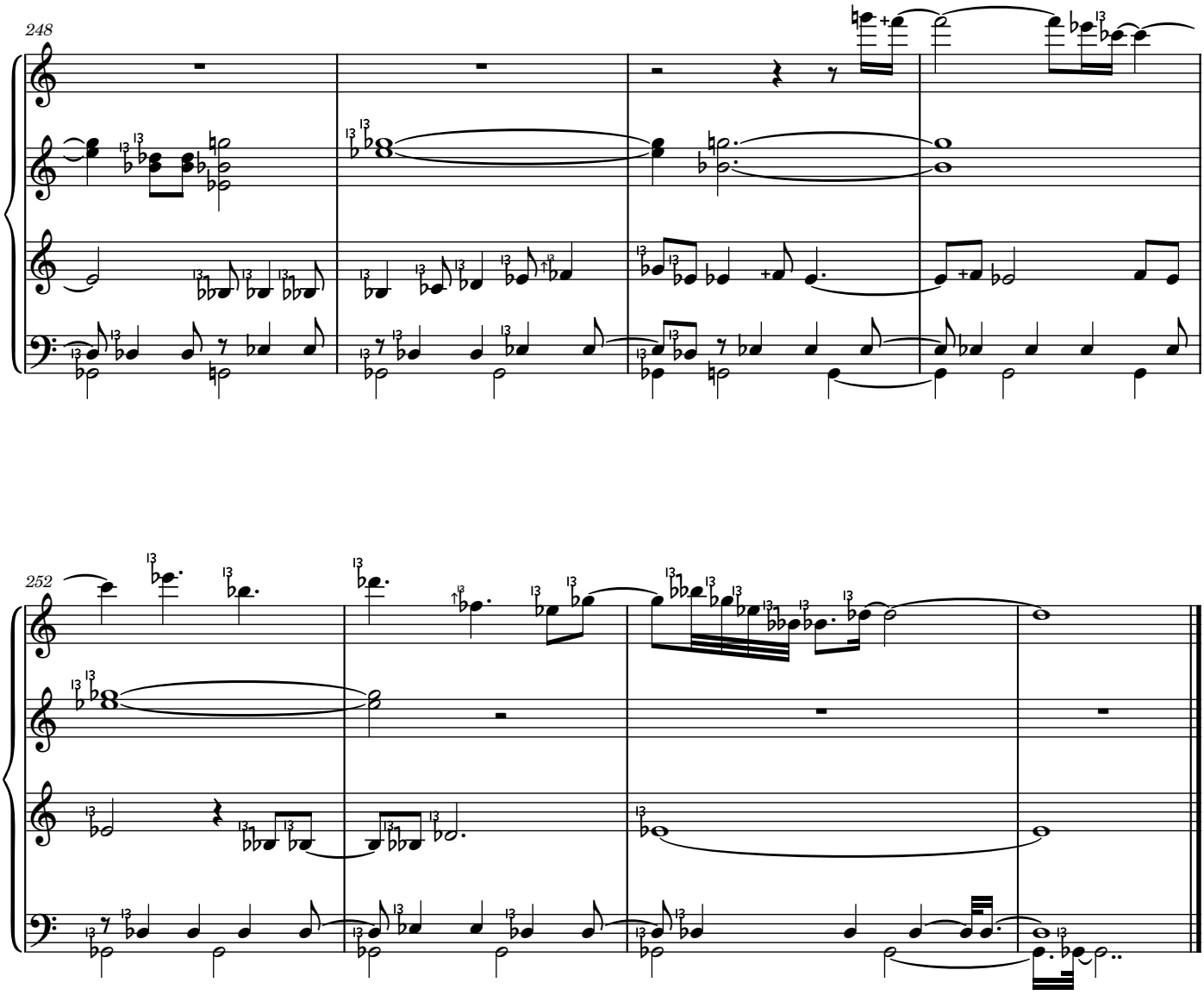

193
19
19
19
196
19
19
19
mf
200


204
p
mp
p
p
208
pp
5
212


215
5
pp
5
pp
218
5
222


226
229
232
5
5

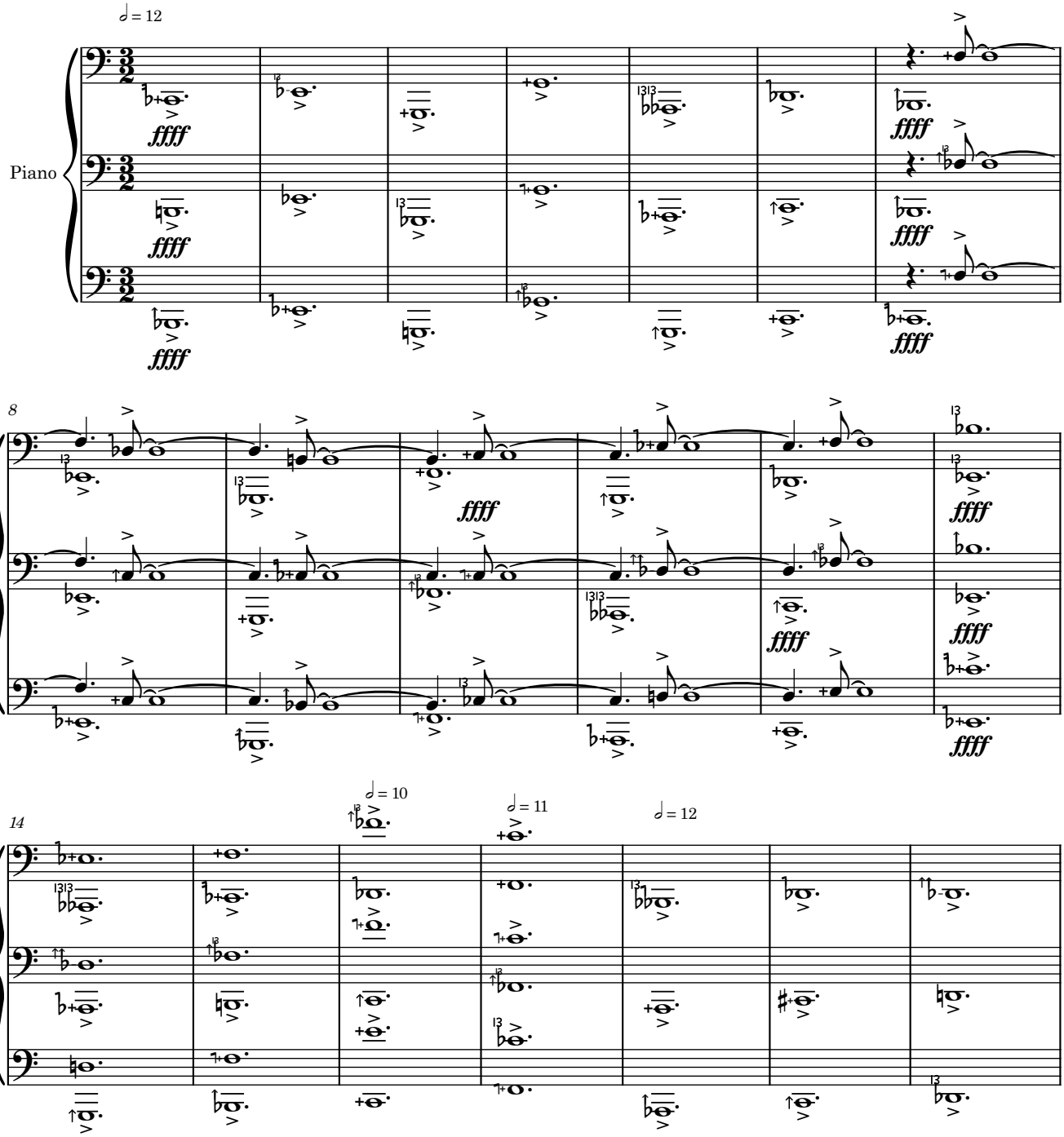

236
240
3
244



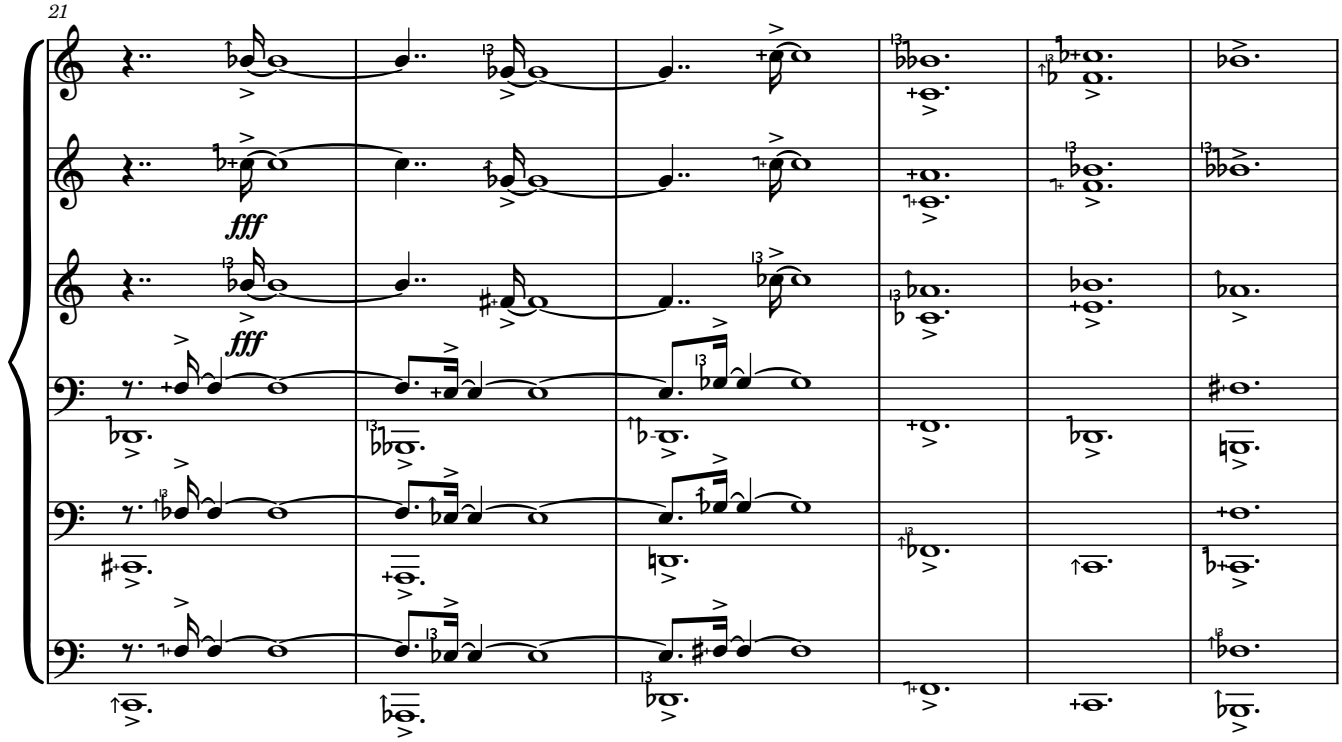
Nov. 21, 2016 - Jan. 15, 2017
Germantown, NY

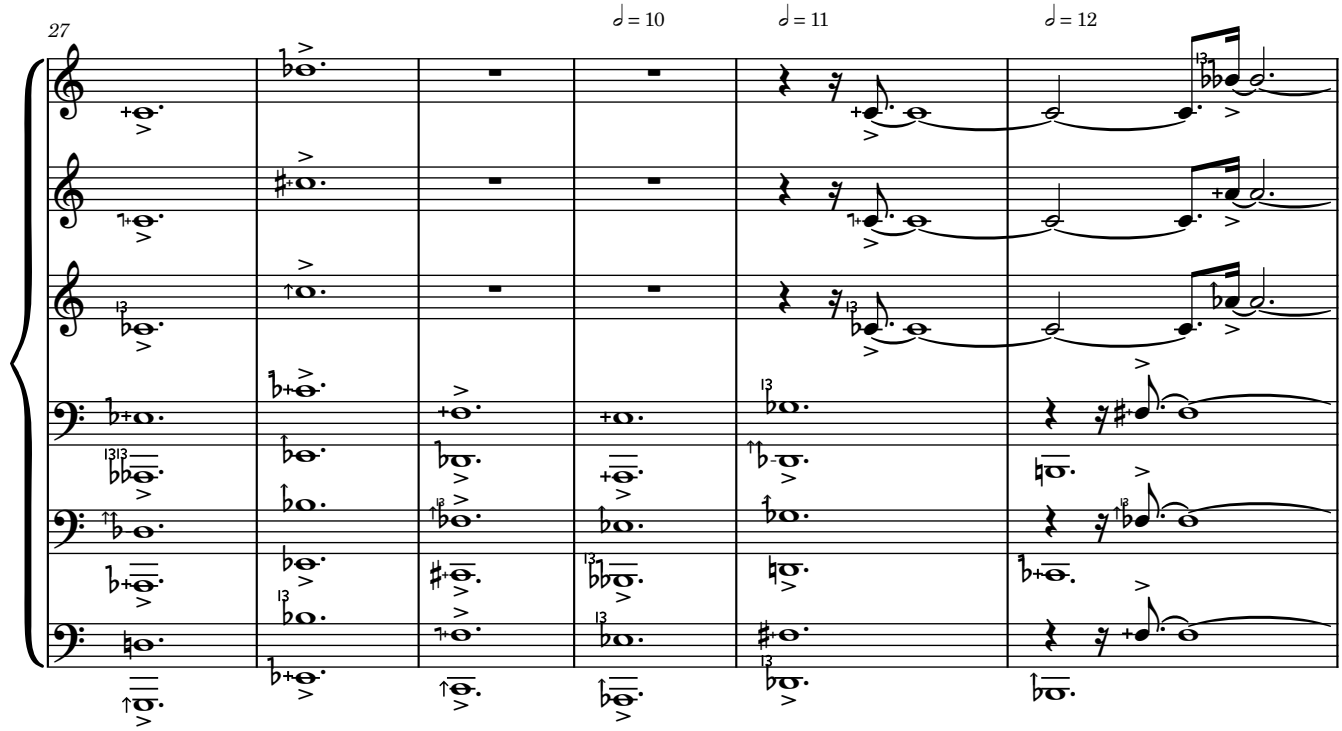
Pulsars
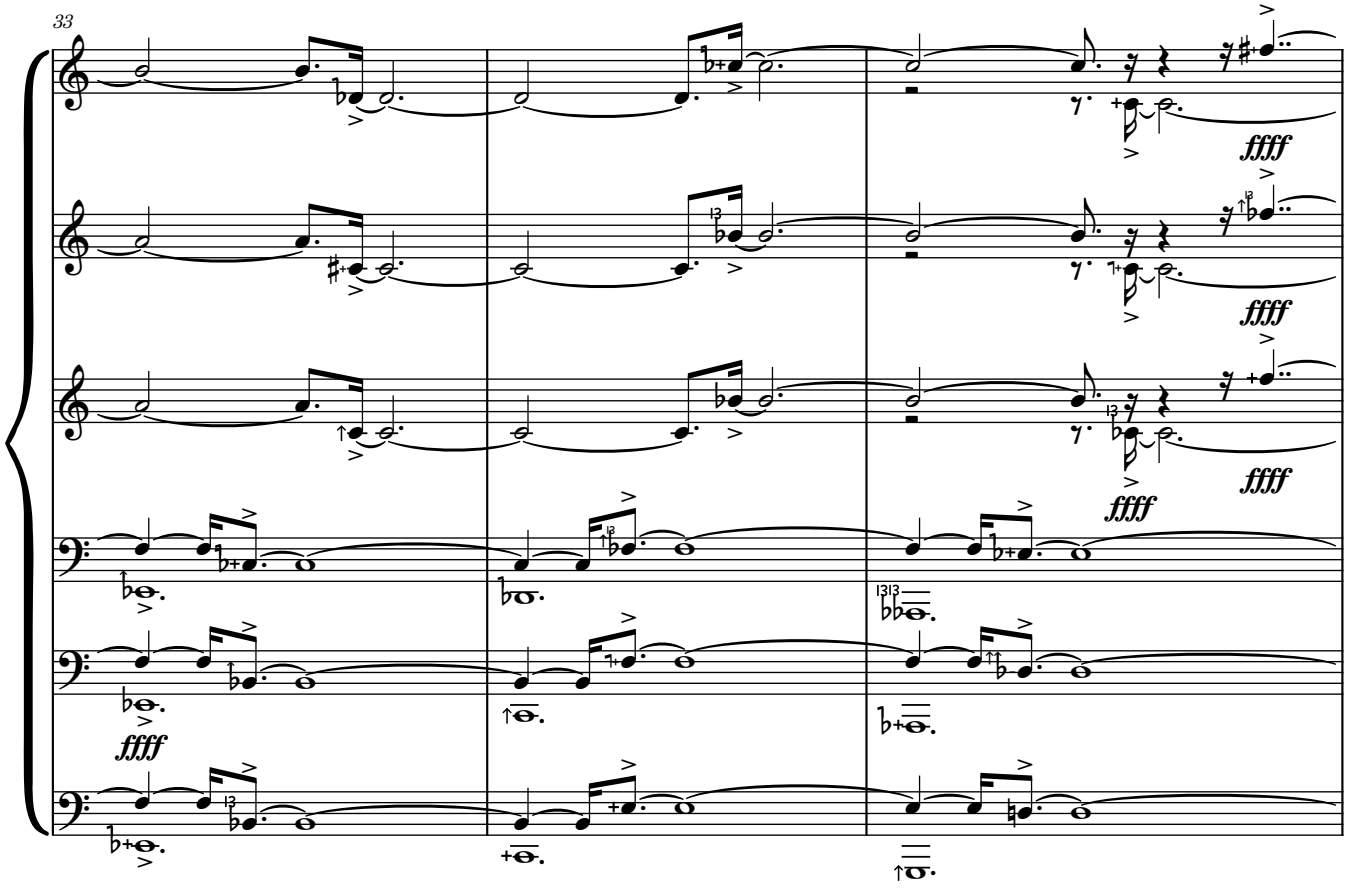
Kyle Gann
2017

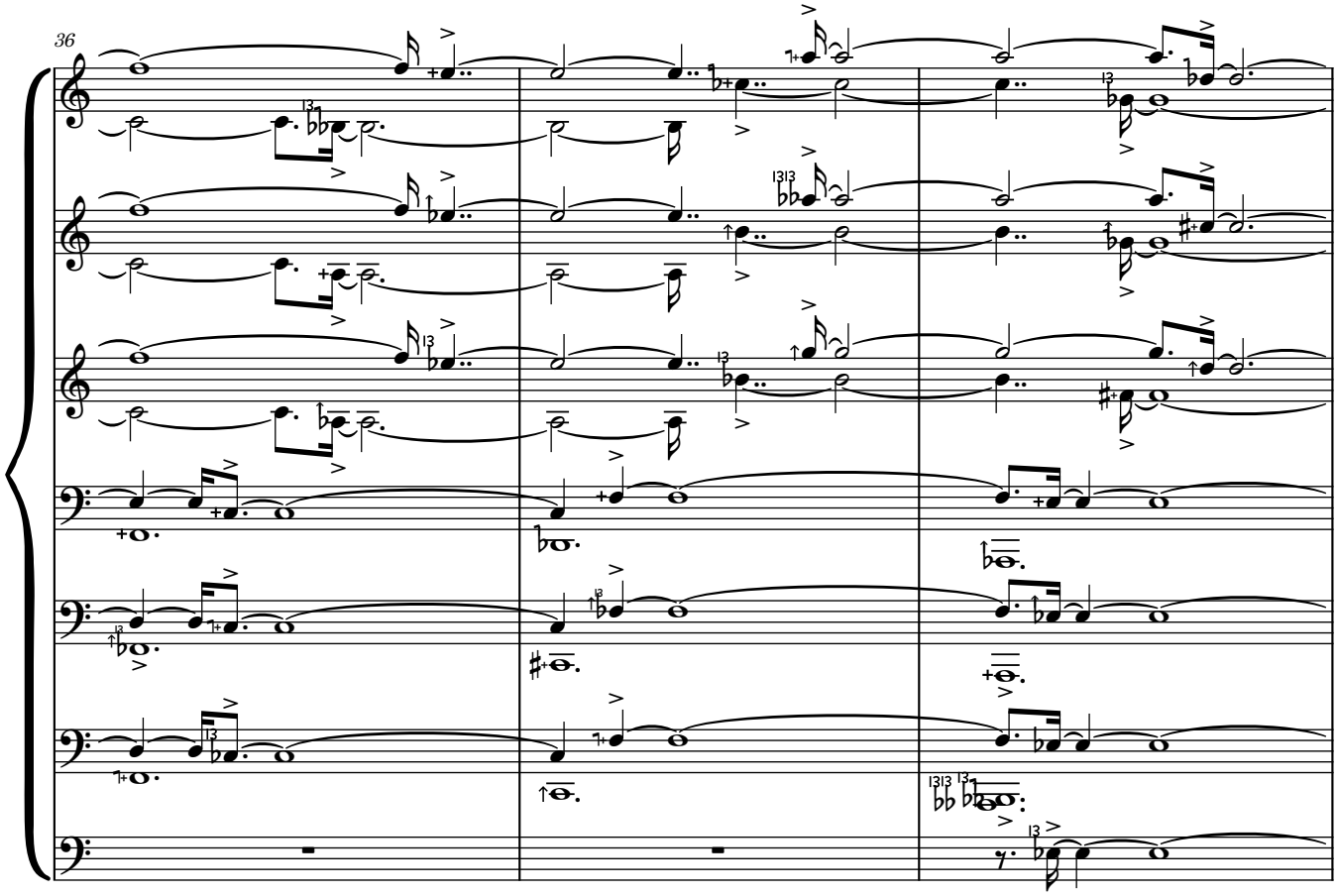


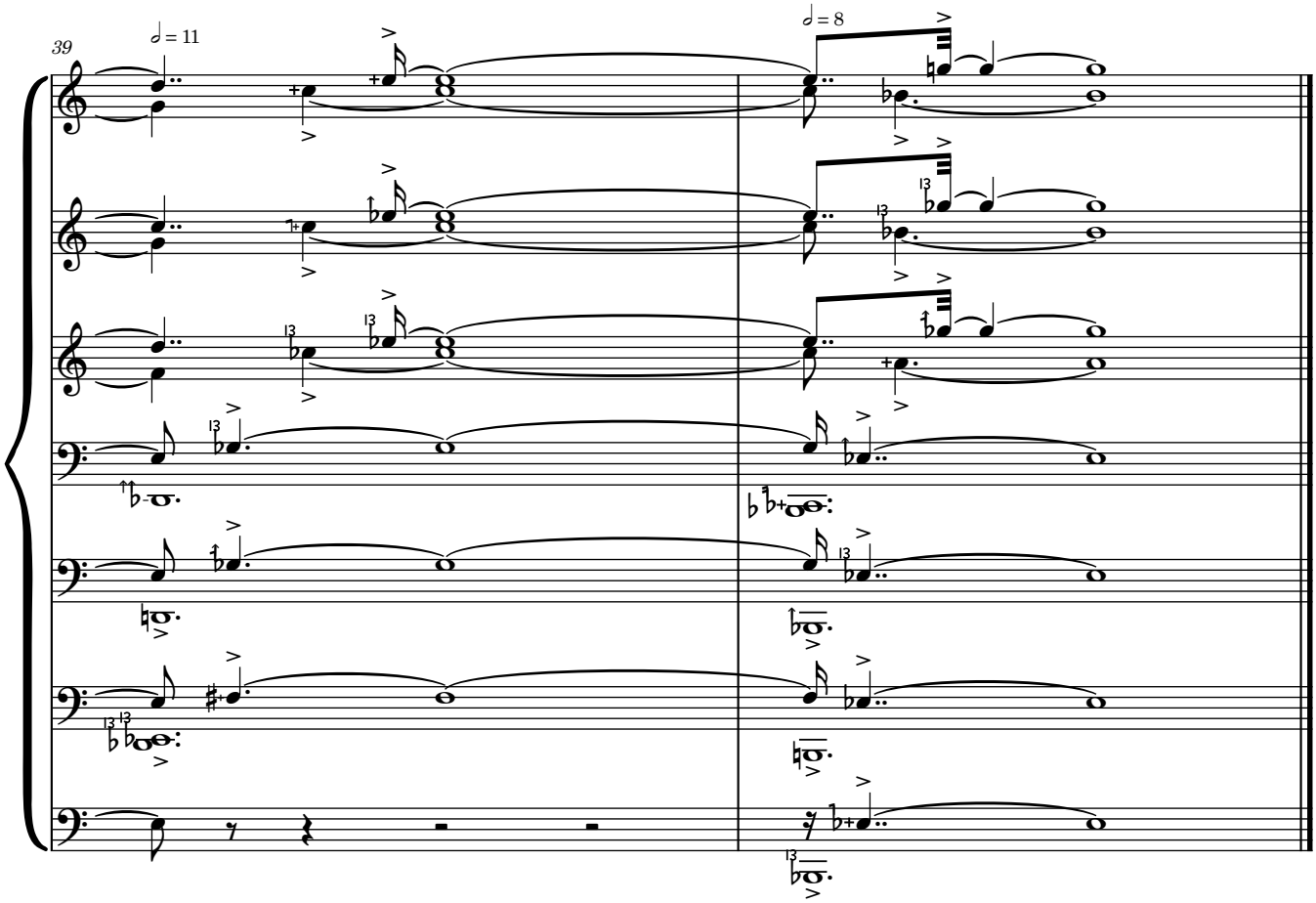
© Copyright 2017 Smith Grabholz Music


21
fff
fff


27
𝅗𝅥 = 10
𝅗𝅥 = 11
𝅗𝅥 = 12


33
ffff
ffff
ffff
ffff
ffff
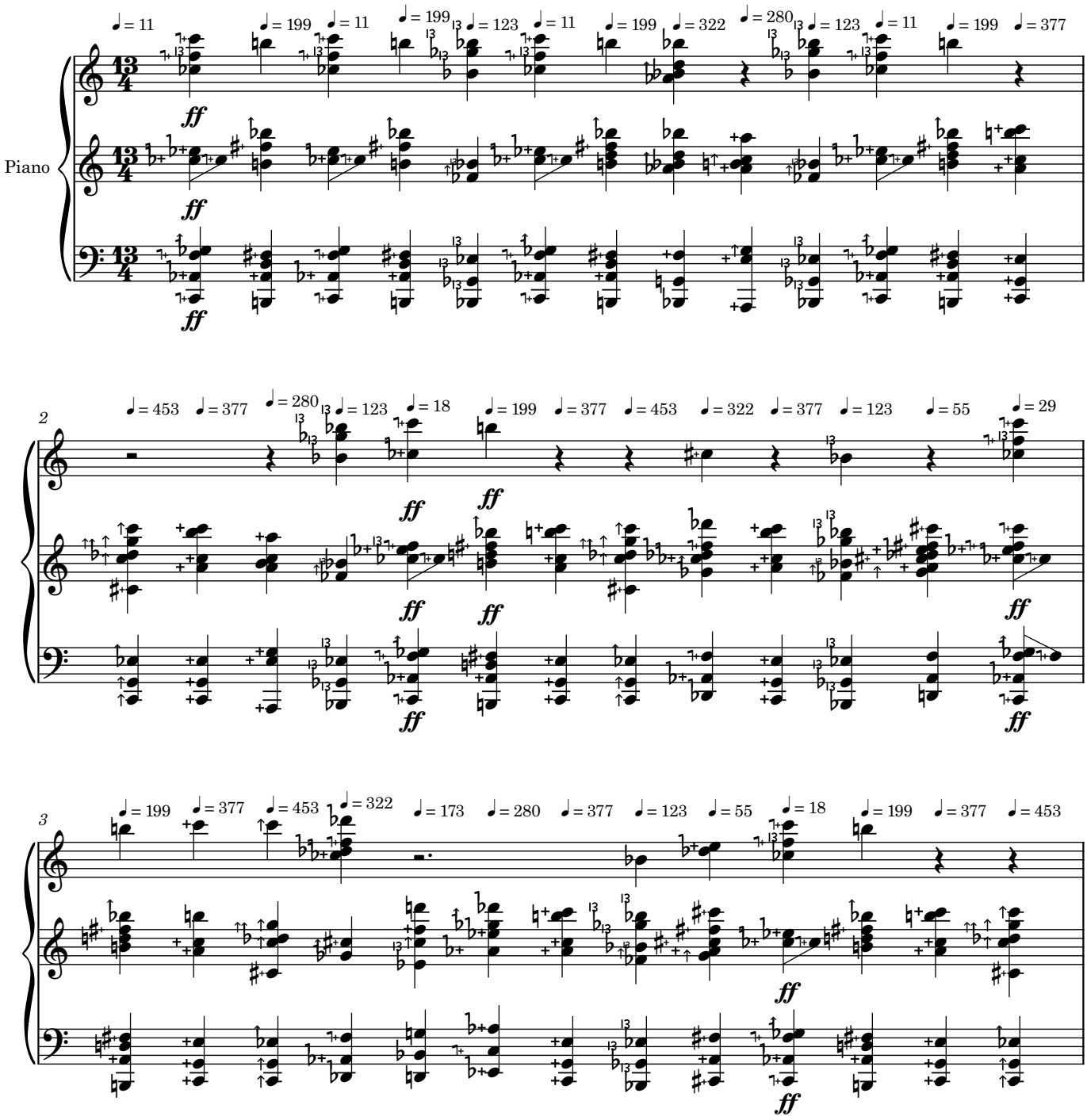

36
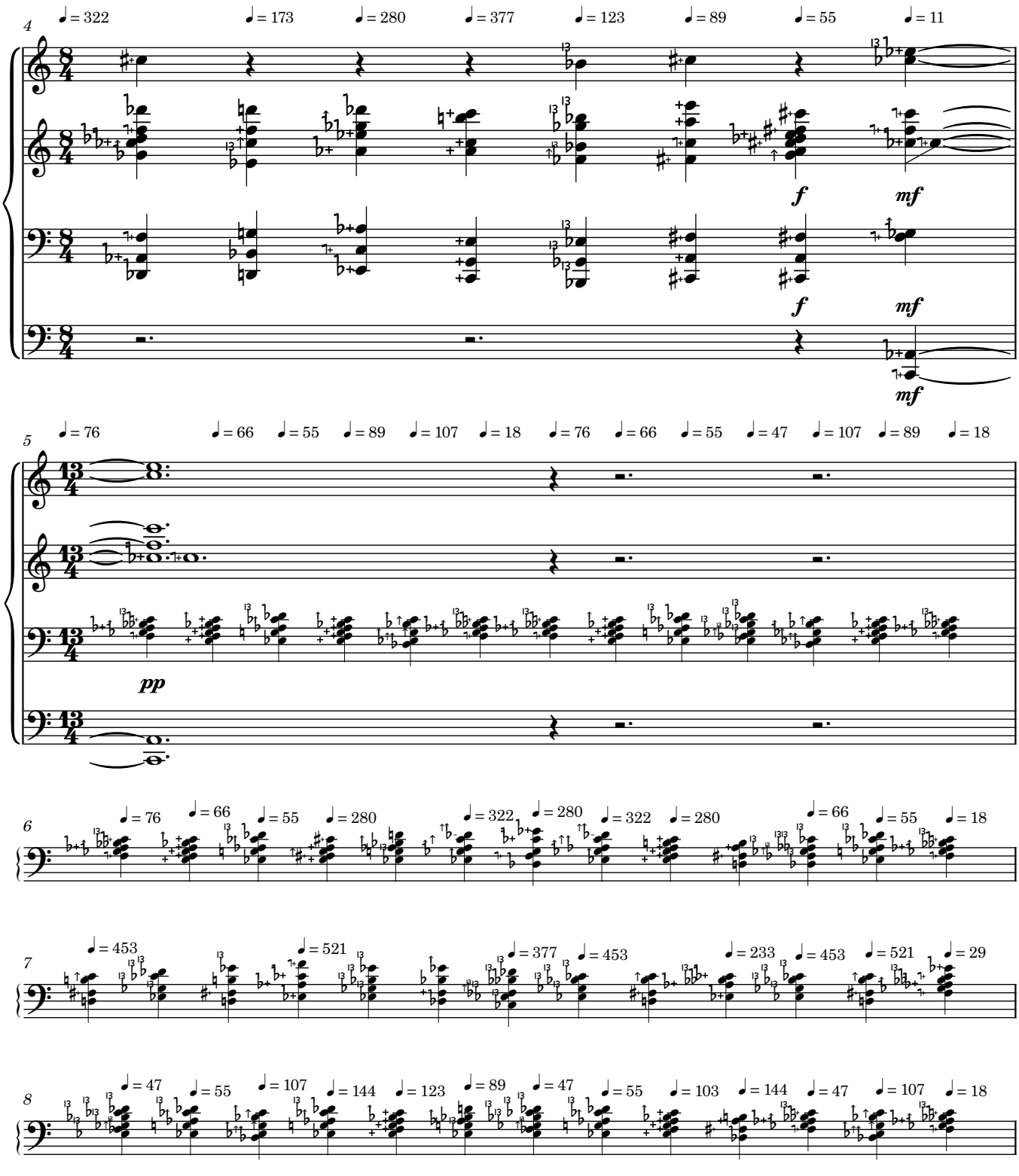


Dec. 30, 2016 - Jan. 16, 2017
Revised Mar. 1, 2021
Germantown, NY
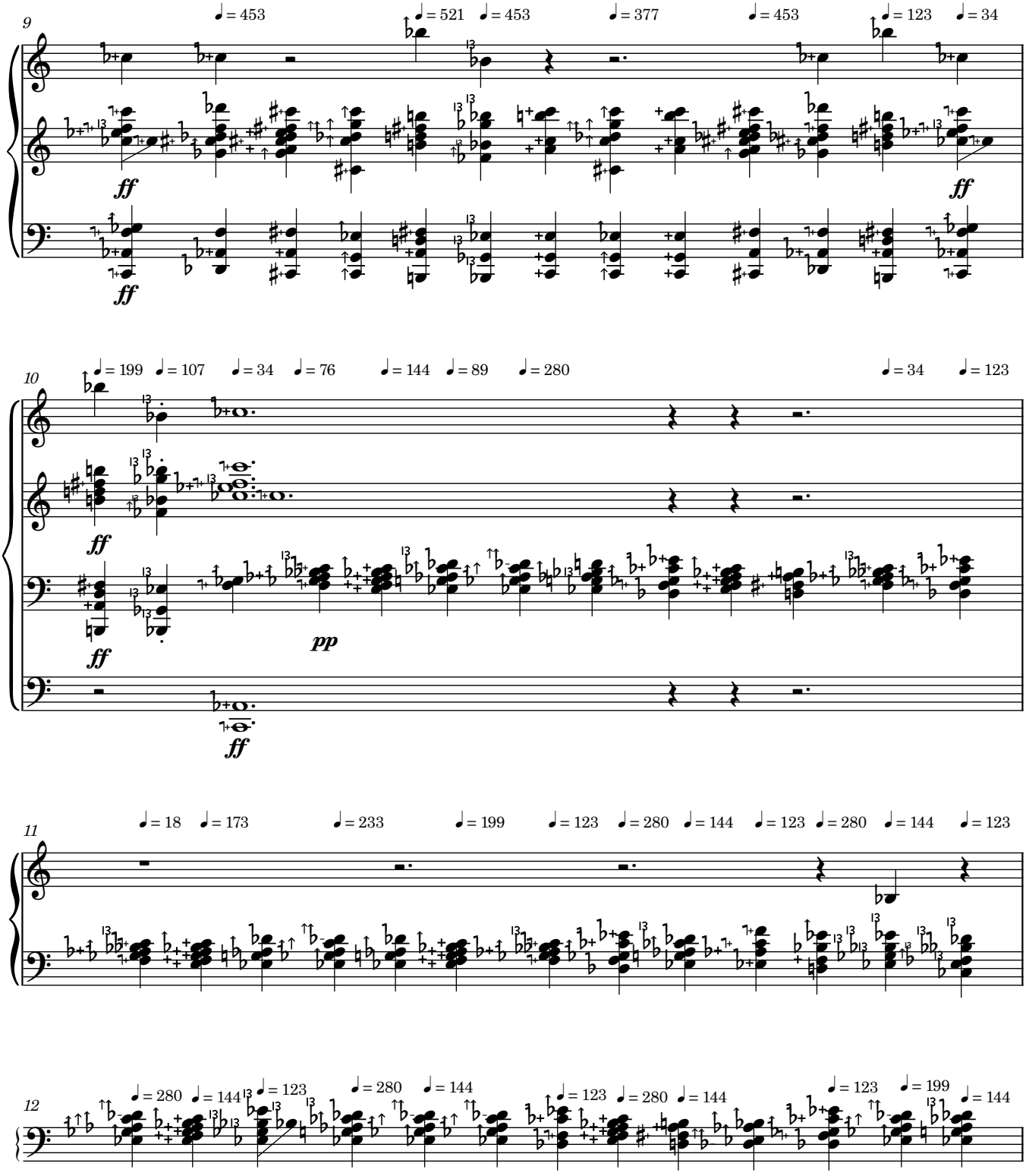
Delta Oracle
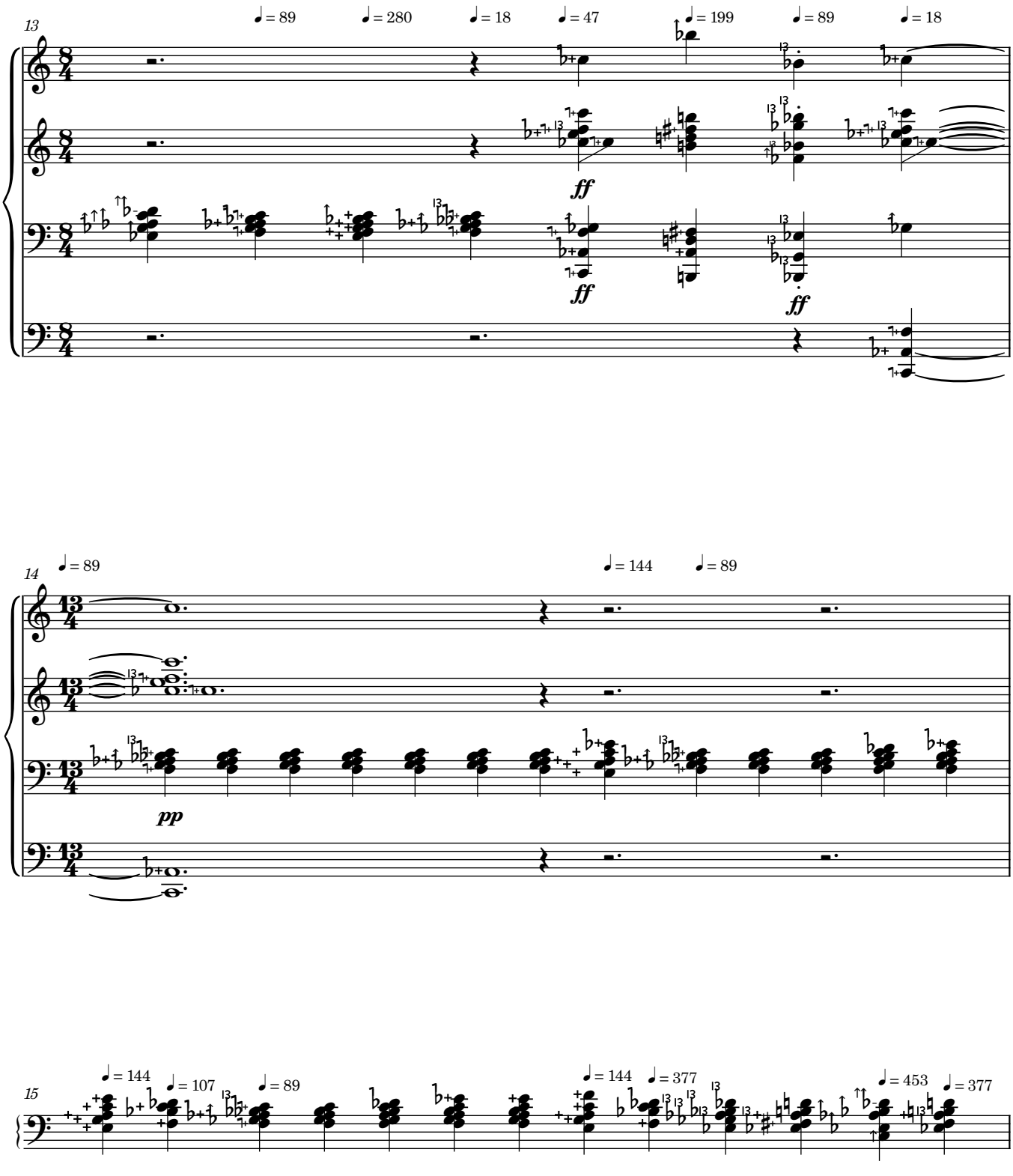
Kyle Gann
2021
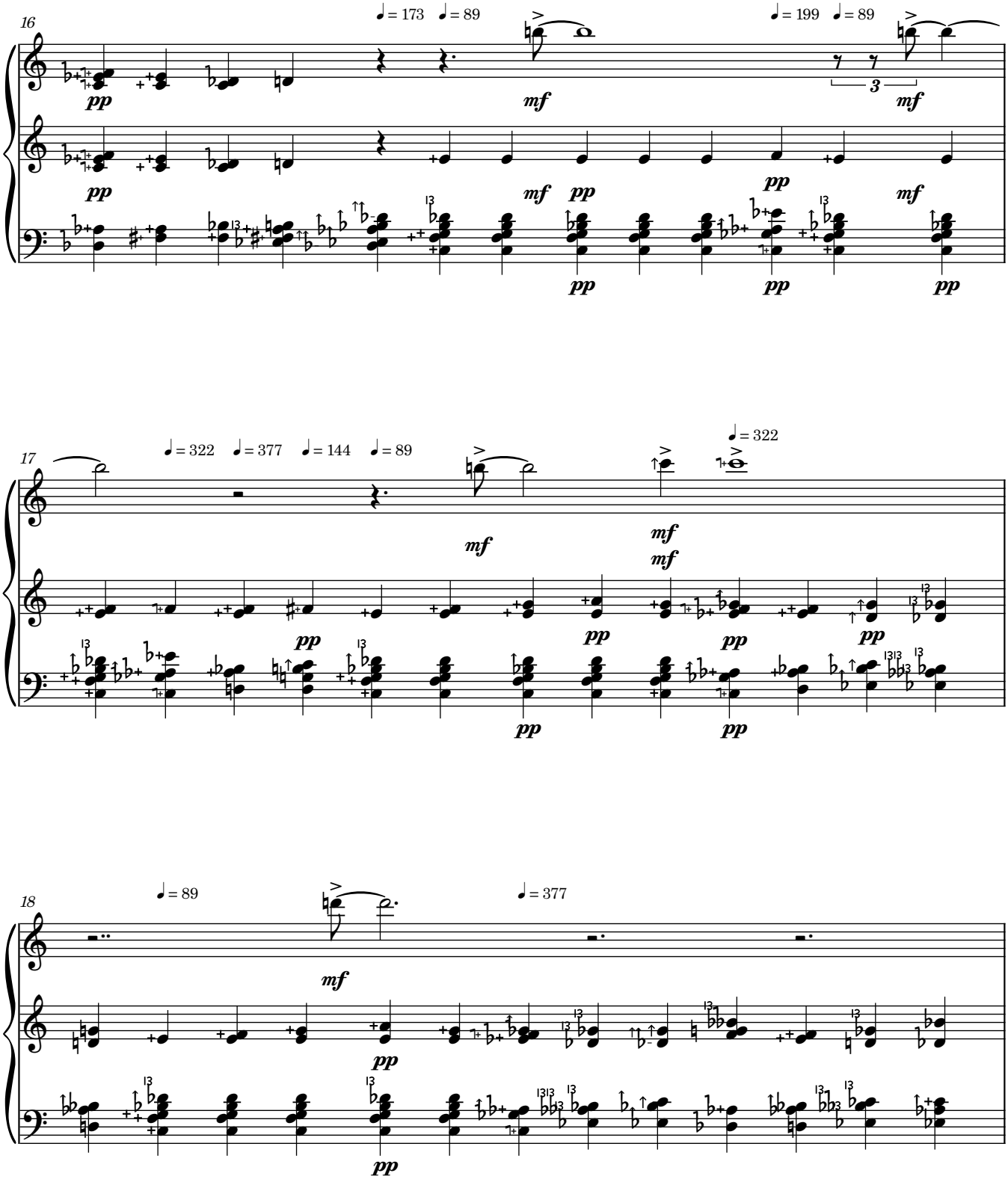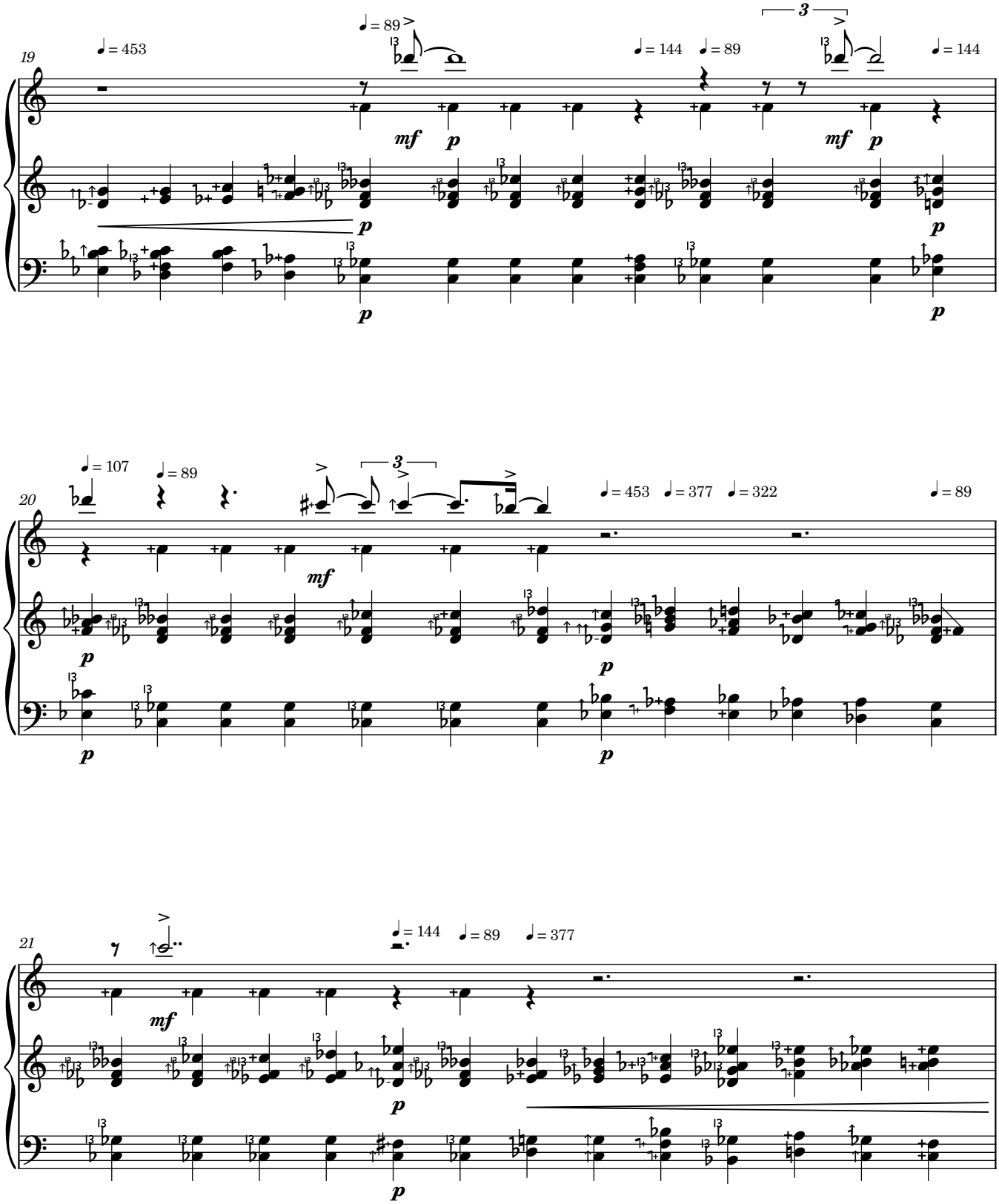


© Copyright 2021 Smith Grabholz Music
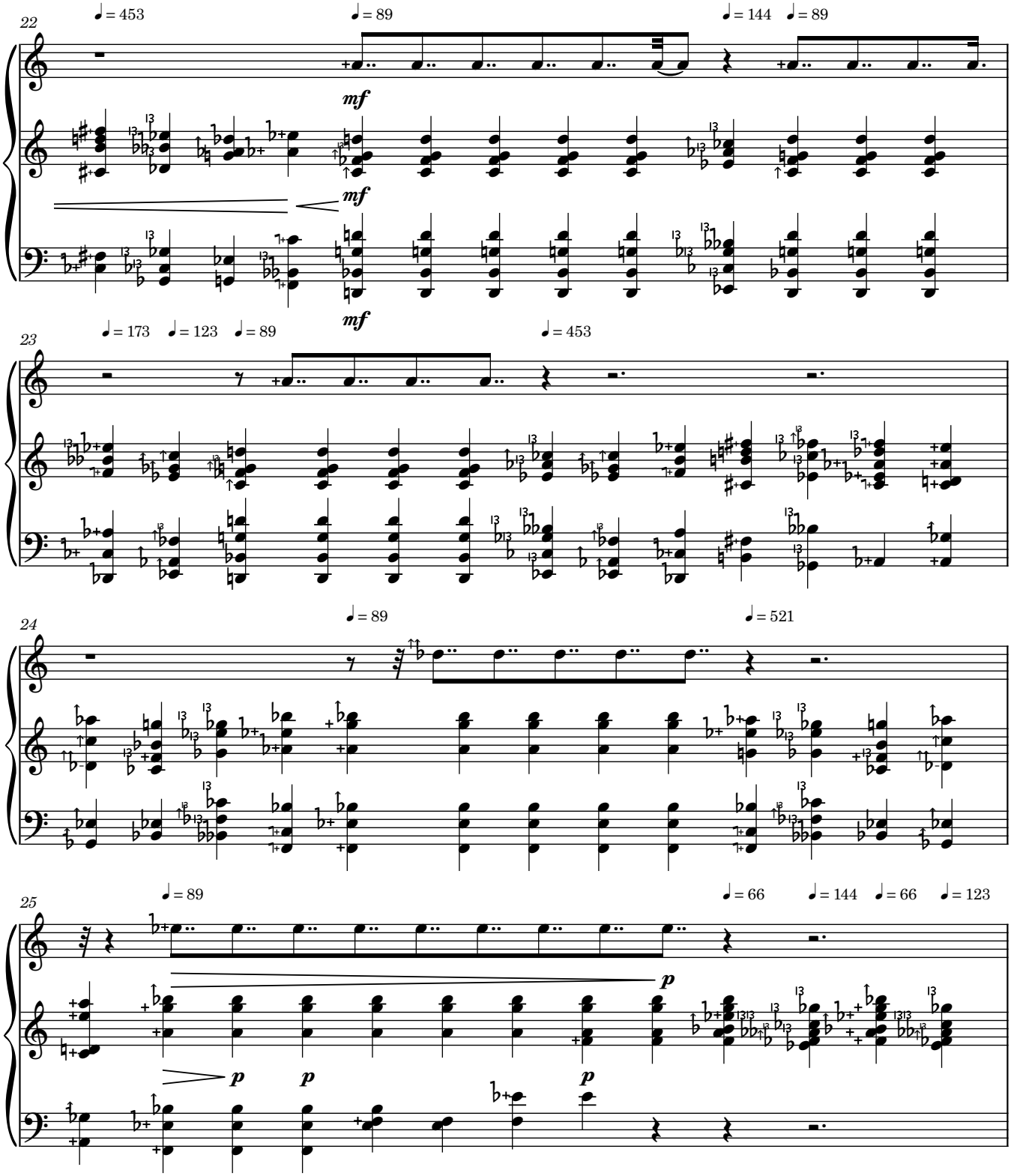

4
♩ = 322
♩ = 173
♩ = 280
♩ = 377
♩ = 123
♩ = 89
♩ = 55
♩ = 11
f
mf
f
mf
mf
5
♩ = 76
♩ = 66
♩ = 55
♩ = 89
♩ = 107
♩ = 18
♩ = 76
♩ = 66
♩ = 55
♩ = 47
♩ = 107
♩ = 89
♩ = 18
pp
6
♩ = 76
♩ = 66
♩ = 55
♩ = 280
♩ = 322
♩ = 280
♩ = 322
♩ = 280
♩ = 66
♩ = 55
♩ = 18
7
♩ = 453
♩ = 521
♩ = 377
♩ = 453
♩ = 233
♩ = 453
♩ = 521
♩ = 29
8
♩ = 47
♩ = 55
♩ = 107
♩ = 144
♩ = 123
♩ = 89
♩ = 47
♩ = 55
♩ = 103
♩ = 144
♩ = 47
♩ = 107
♩ = 18
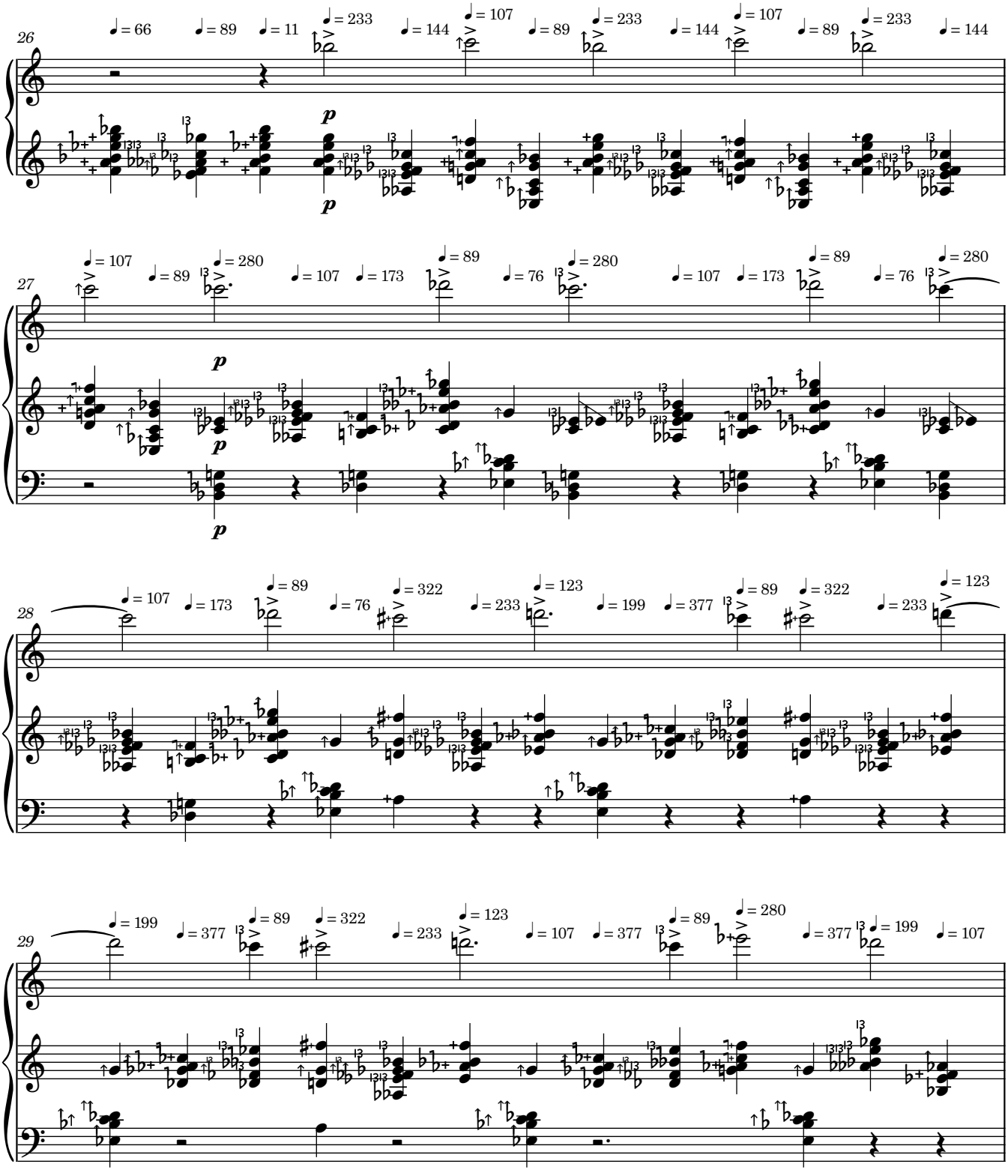

9
♩ = 453
♩ = 521
♩ = 453
♩ = 377
♩ = 453
♩ = 123
♩ = 34
ff
ff
ff
10
♩ = 199
♩ = 107
♩ = 34
♩ = 76
♩ = 144
♩ = 89
♩ = 280
♩ = 34
♩ = 123
ff
ff
pp
ff
11
♩ = 18
♩ = 173
♩ = 233
♩ = 199
♩ = 123
♩ = 280
♩ = 144
♩ = 123
♩ = 280
♩ = 144
♩ = 123
12
♩ = 280
♩ = 144
♩ = 123
♩ = 280
♩ = 144
♩ = 123
♩ = 280
♩ = 144
♩ = 123
♩ = 199
♩ = 144

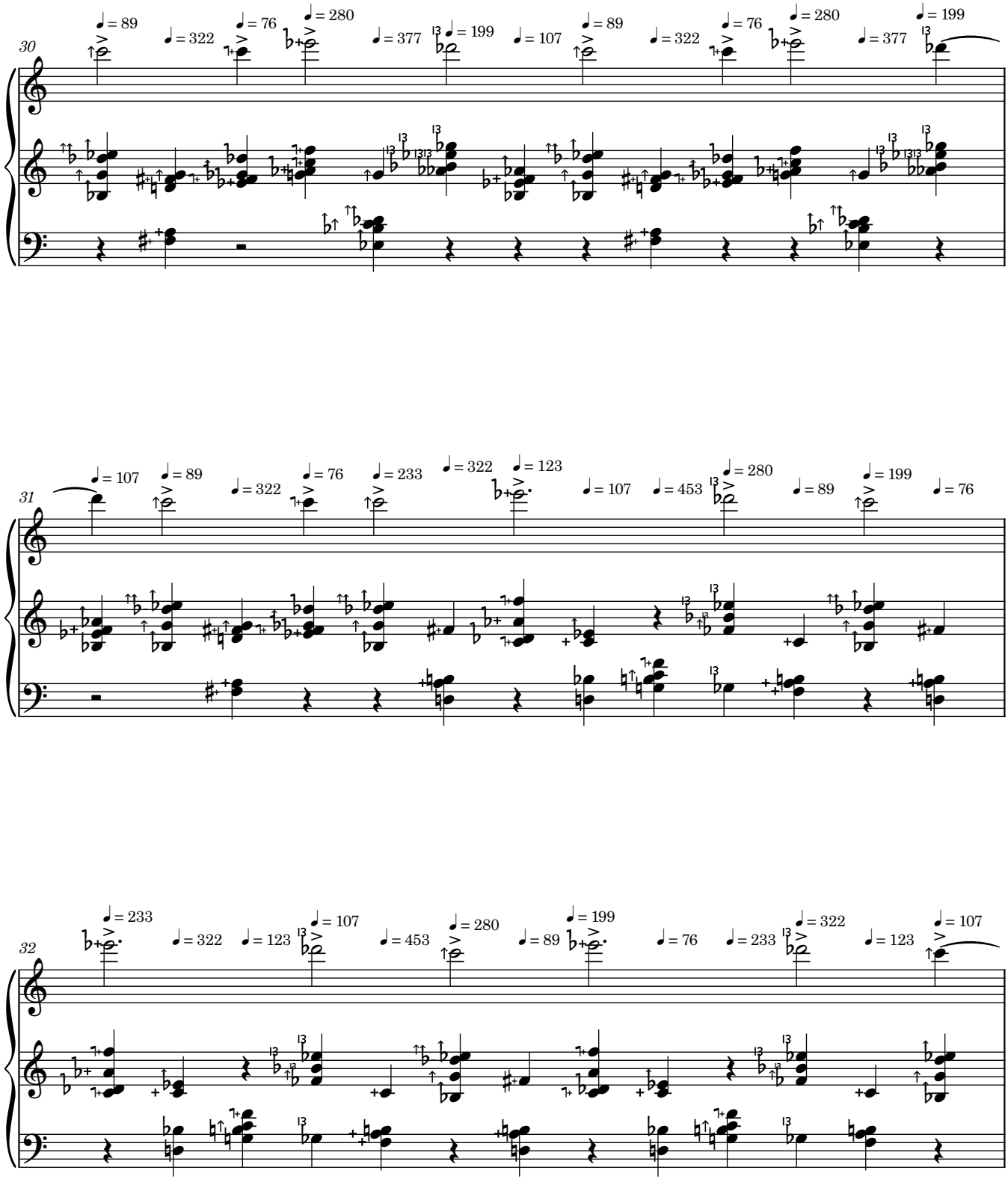

13
♩ = 89
♩ = 280
♩ = 18
♩ = 47
♩ = 199
♩ = 89
♩ = 18
ff
ff
ff
14
♩ = 89
♩ = 144
♩ = 89
pp
15
♩ = 144
♩ = 107
♩ = 89
♩ = 144
♩ = 377
♩ = 453
♩ = 377
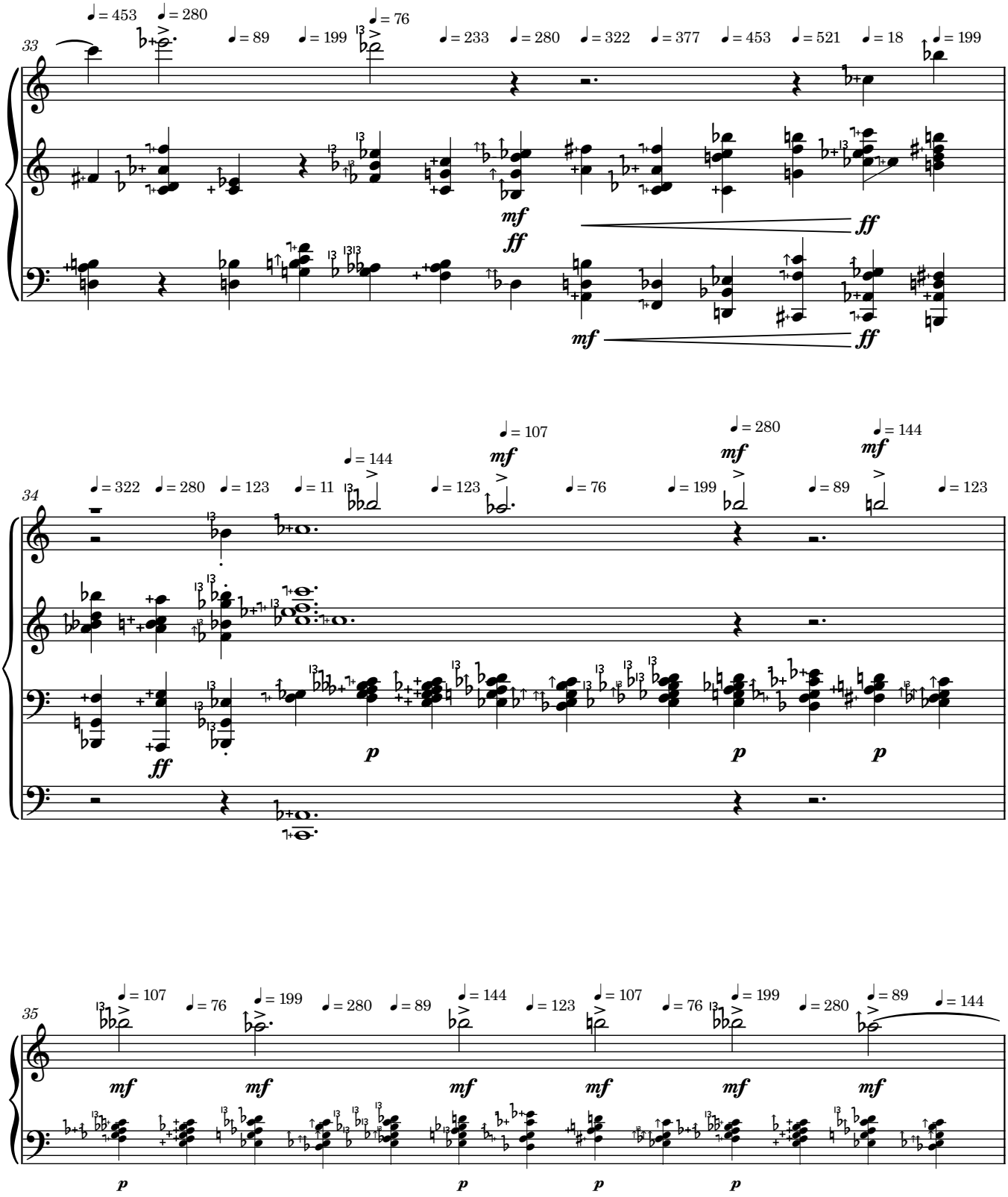

16
♩ = 173 ♩ = 89
♩ = 199 ♩ = 89
17
♩ = 322 ♩ = 377 ♩ = 144 ♩ = 89
♩ = 322
18
♩ = 89
♩ = 377

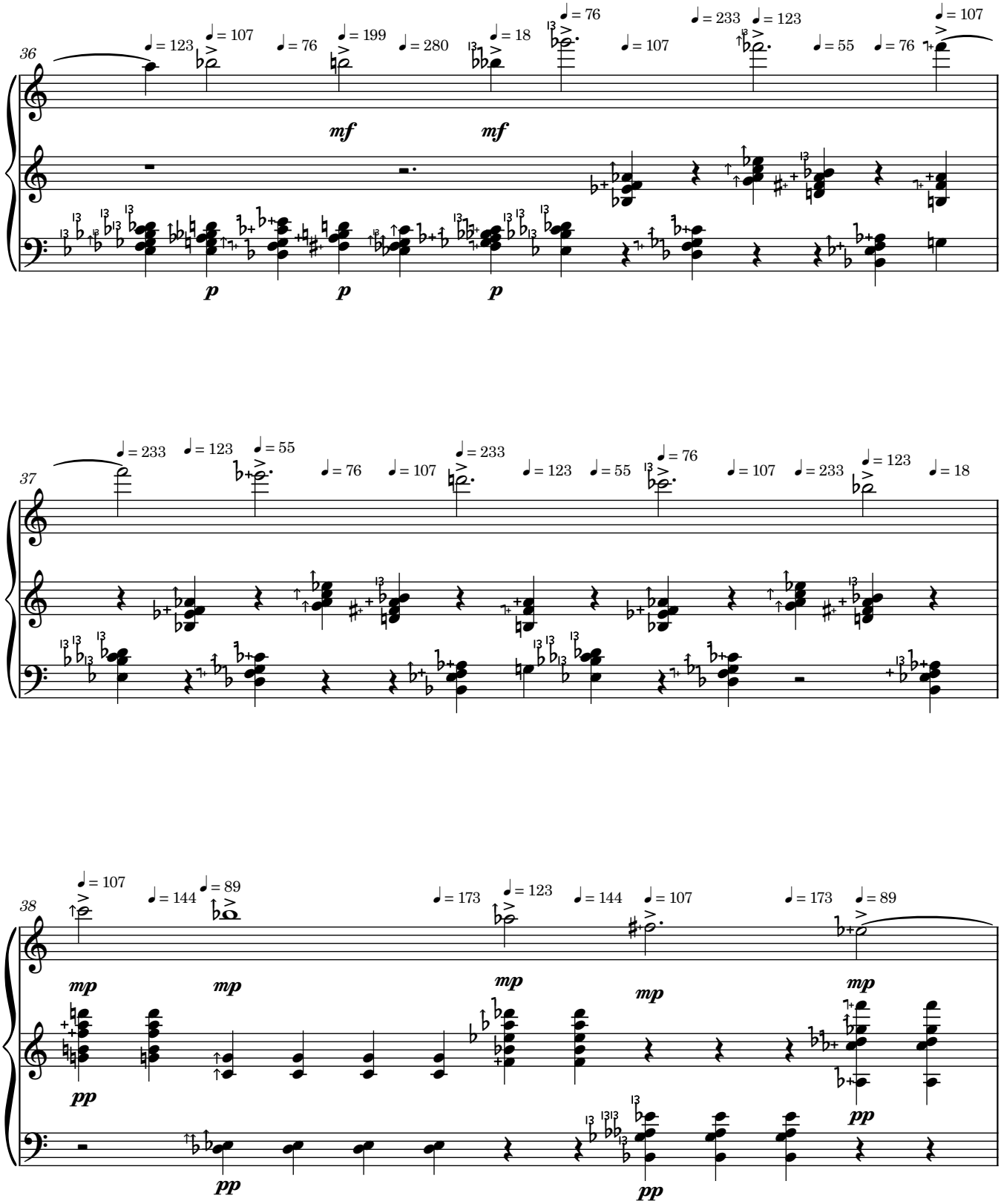

19
♩ = 453
♩ = 89
♩ = 144
♩ = 89
♩ = 144
3
mf
p
20
♩ = 107
♩ = 89
♩ = 453
♩ = 377
♩ = 322
♩ = 89
21
♩ = 144
♩ = 89
♩ = 377
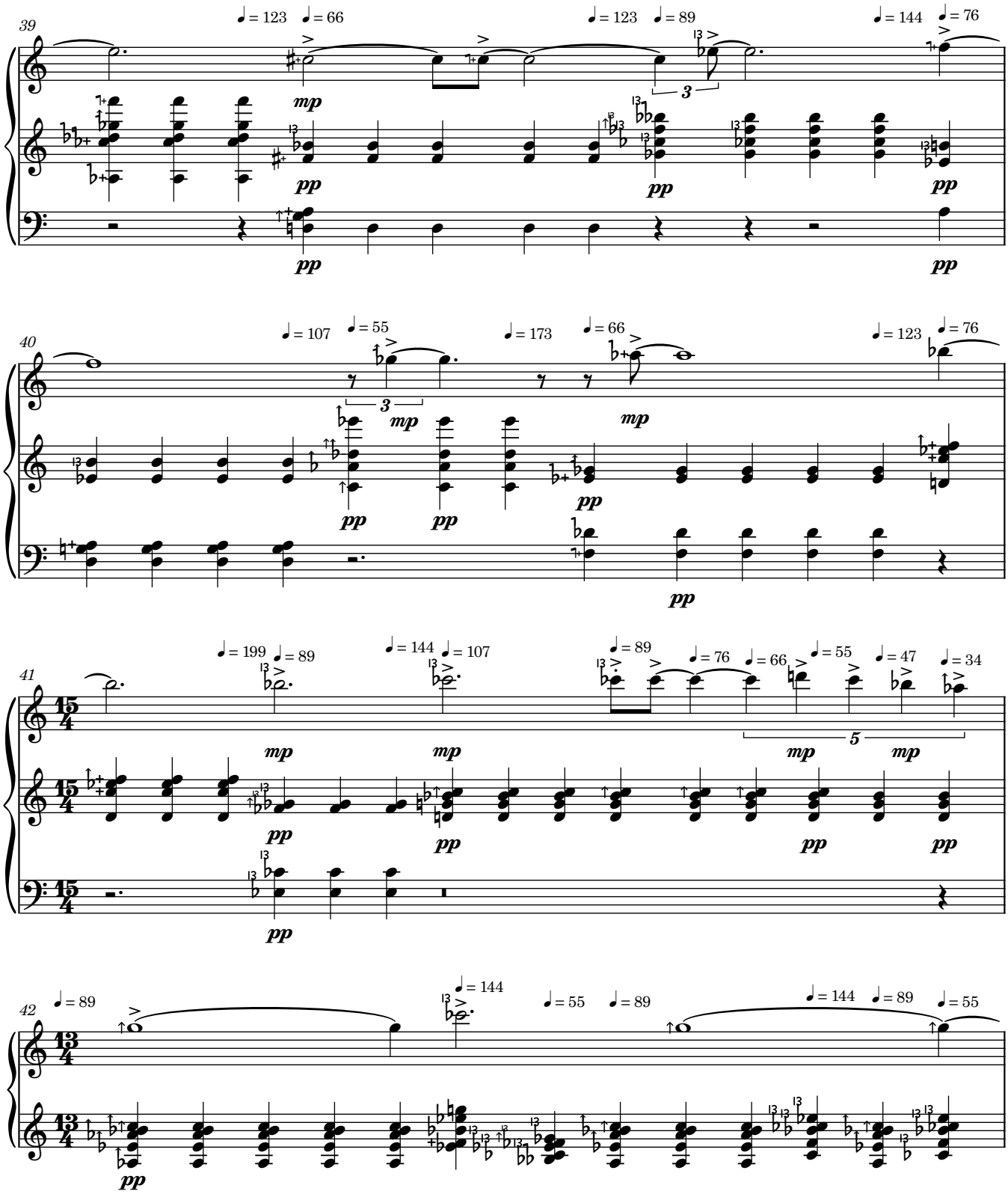

22
♩ = 453
♩ = 89
♩ = 144
♩ = 89
mf
mf
mf
23
♩ = 173
♩ = 123
♩ = 89
♩ = 453
24
♩ = 89
♩ = 521
25
♩ = 89
♩ = 66
♩ = 144
♩ = 66
♩ = 123
p
p
p
p
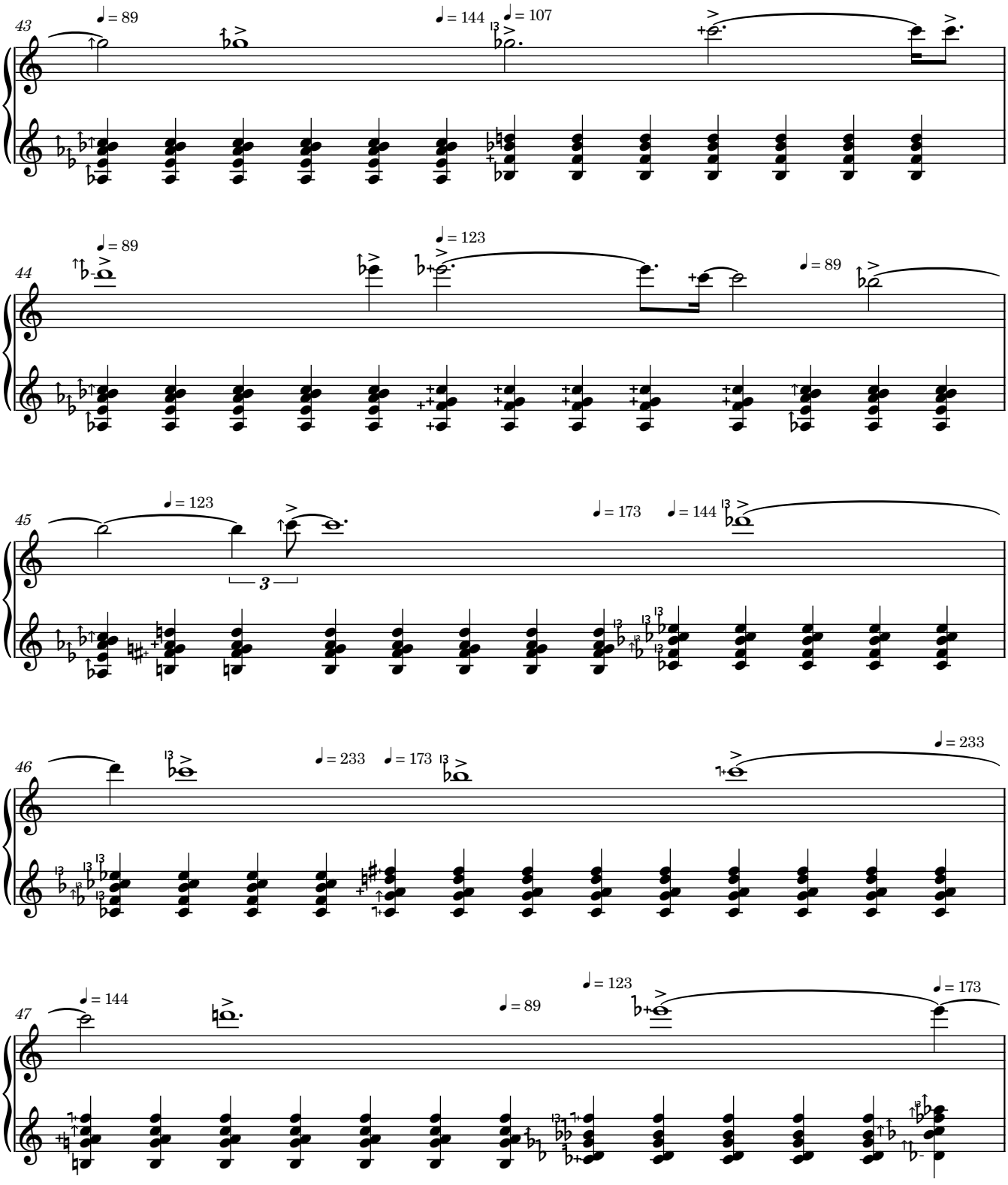

26
27
28
29
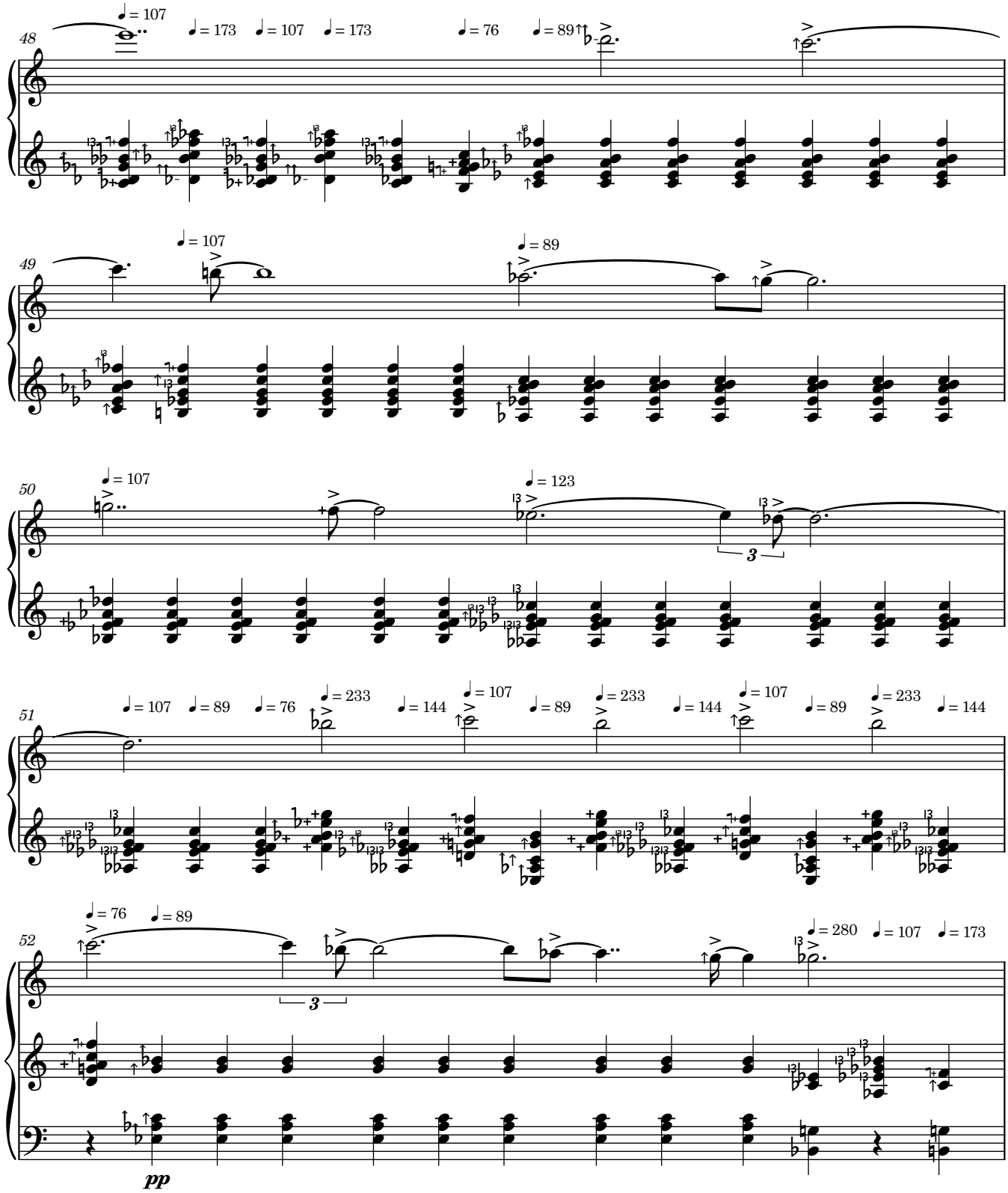

30
♩ = 89
♩ = 322
♩ = 76
♩ = 280
♩ = 377
♩ = 199
♩ = 107
♩ = 89
♩ = 322
♩ = 76
♩ = 280
♩ = 377
♩ = 199
31
♩ = 107
♩ = 89
♩ = 322
♩ = 76
♩ = 233
♩ = 322
♩ = 123
♩ = 107
♩ = 453
♩ = 280
♩ = 89
♩ = 199
♩ = 76
32
♩ = 233
♩ = 322
♩ = 123
♩ = 107
♩ = 453
♩ = 280
♩ = 89
♩ = 199
♩ = 76
♩ = 233
♩ = 322
♩ = 123
♩ = 107
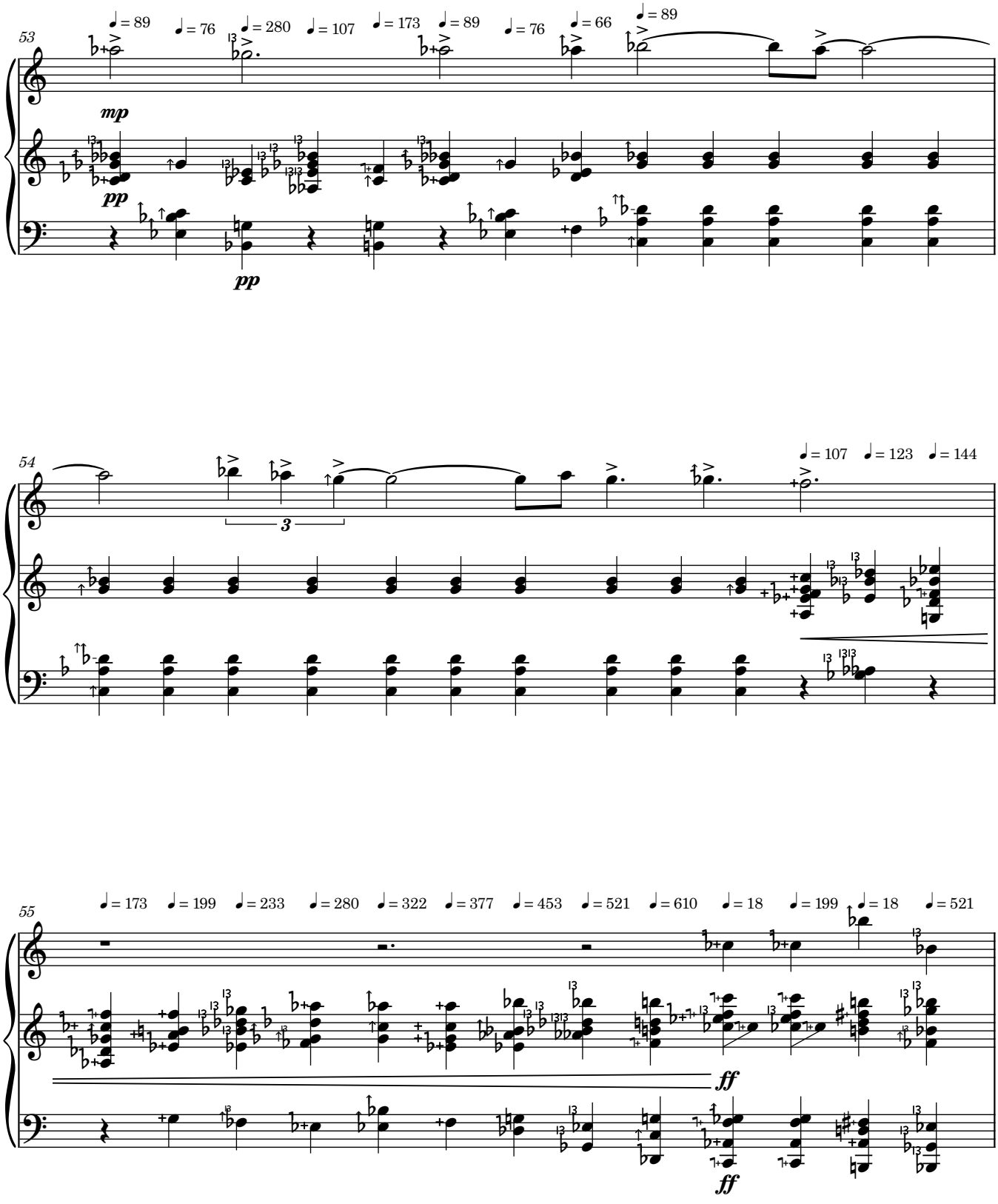

33
♩ = 453
♩ = 280
♩ = 89
♩ = 199
♩ = 76
♩ = 233
♩ = 280
♩ = 322
♩ = 377
♩ = 453
♩ = 521
♩ = 18
♩ = 199
mf
ff
ff
mf
ff
34
♩ = 322
♩ = 280
♩ = 123
♩ = 11
♩ = 144
♩ = 123
♩ = 107
mf
♩ = 76
♩ = 199
♩ = 280
mf
♩ = 89
♩ = 144
mf
♩ = 123
ff
p
p
p
35
♩ = 107
♩ = 76
♩ = 199
♩ = 280
♩ = 89
♩ = 144
♩ = 123
♩ = 107
♩ = 76
♩ = 199
♩ = 280
♩ = 89
♩ = 144
mf
mf
mf
mf
mf
mf
p
p
p
p
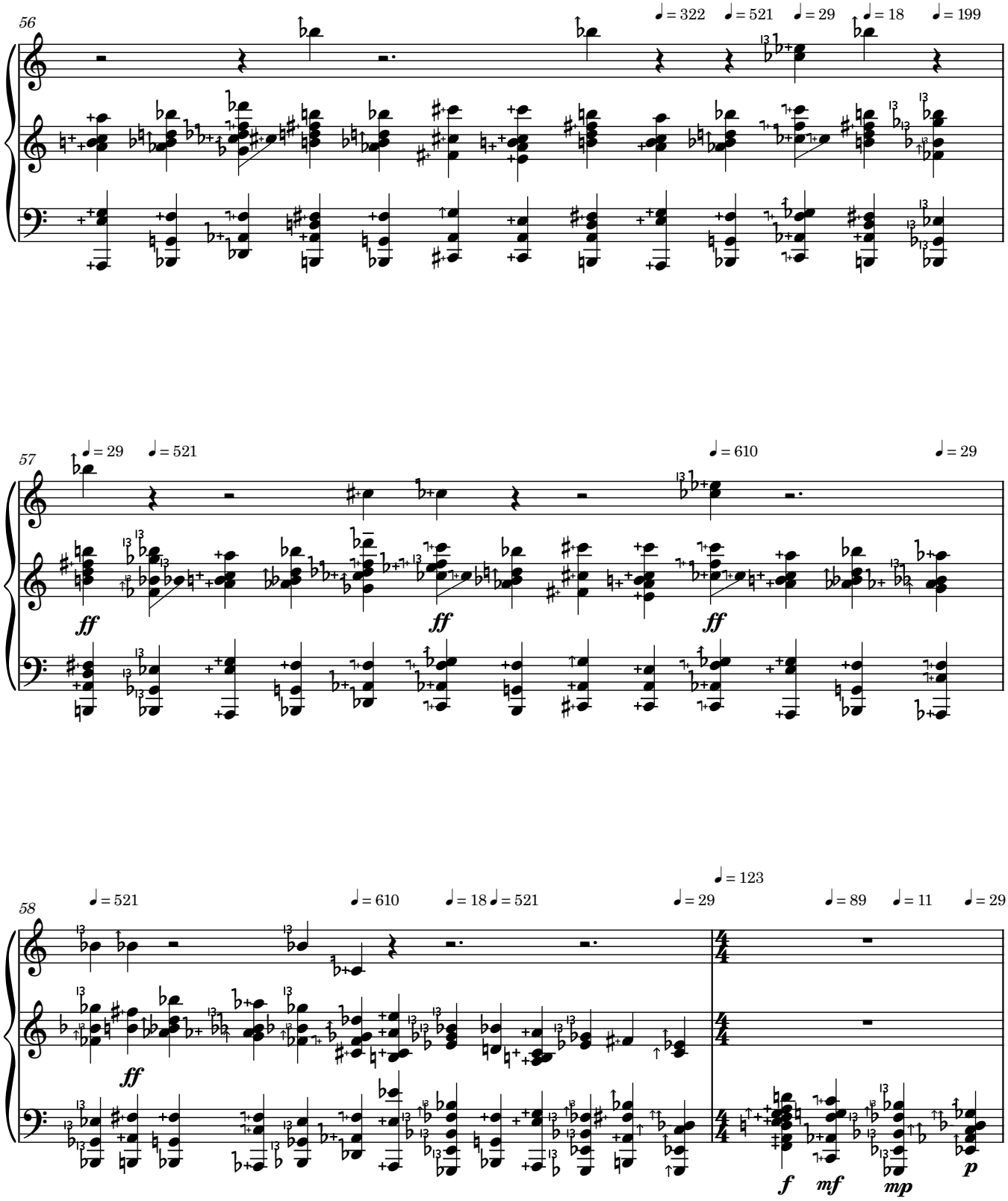

36
♩ = 123
♩ = 107
♩ = 76
♩ = 199
♩ = 280
♩ = 18
♩ = 76
♩ = 107
♩ = 233
♩ = 123
♩ = 55
♩ = 76
♩ = 107
mf
mf
p
p
p
37
♩ = 233
♩ = 123
♩ = 55
♩ = 76
♩ = 107
♩ = 233
♩ = 123
♩ = 55
♩ = 76
♩ = 107
♩ = 233
♩ = 123
♩ = 18
38
♩ = 107
♩ = 144
♩ = 89
♩ = 173
♩ = 123
♩ = 144
♩ = 107
♩ = 173
♩ = 89
mp
mp
mp
mp
mp
pp
pp
pp
pp
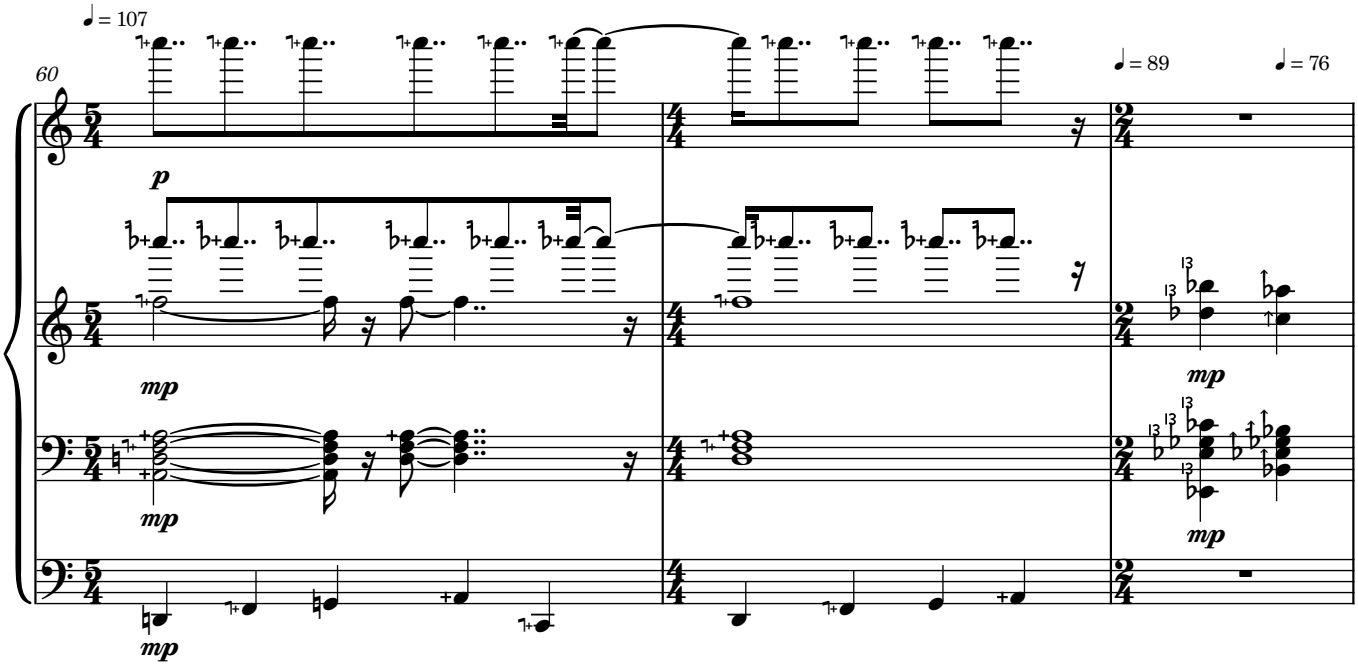

39
♩ = 123 ♩ = 66
♩ = 123 ♩ = 89
♩ = 144 ♩ = 76
mp
pp
3
40
♩ = 107 ♩ = 55
♩ = 173
♩ = 66
♩ = 123 ♩ = 76
41
♩ = 199 ♩ = 89
♩ = 144 ♩ = 107
♩ = 89
♩ = 76 ♩ = 66 ♩ = 55 ♩ = 47 ♩ = 34
5
42
♩ = 89
♩ = 144
♩ = 55 ♩ = 89
♩ = 144 ♩ = 89 ♩ = 55

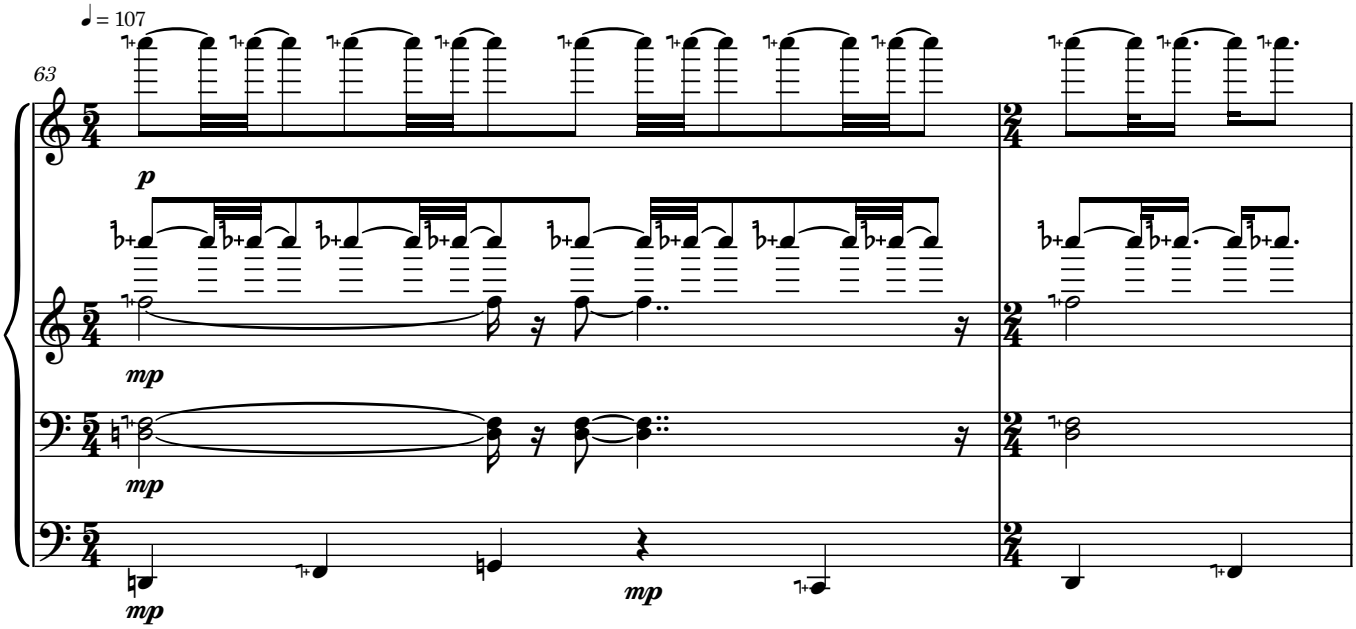

43
♩ = 89
♩ = 144
♩ = 107
44
♩ = 89
♩ = 123
♩ = 89
45
♩ = 123
3
♩ = 173
♩ = 144
46
♩ = 233
♩ = 173
♩ = 233
47
♩ = 144
♩ = 89
♩ = 123
♩ = 173
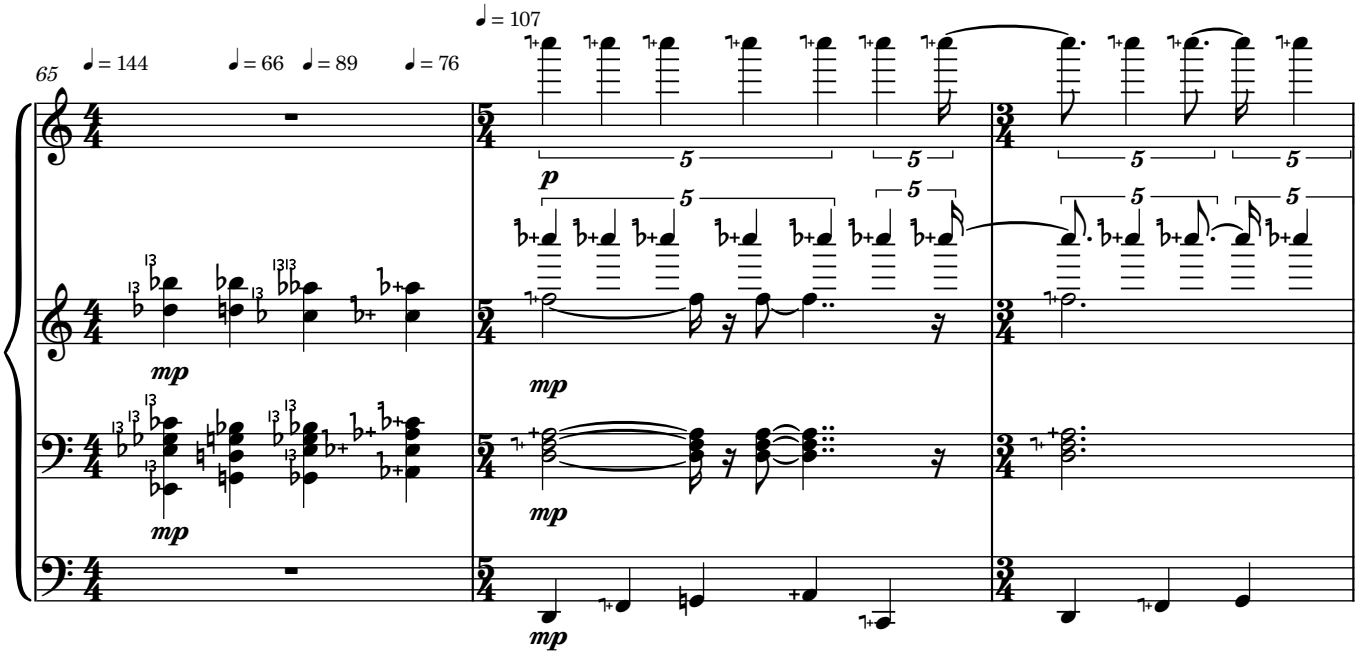

48
♩ = 107
♩ = 173
♩ = 107
♩ = 173
♩ = 76
♩ = 89
49
♩ = 107
♩ = 89
50
♩ = 107
♩ = 123
3
51
♩ = 107
♩ = 89
♩ = 76
♩ = 233
♩ = 144
♩ = 107
♩ = 89
♩ = 233
♩ = 144
♩ = 107
♩ = 89
♩ = 233
♩ = 144
52
♩ = 76
♩ = 89
3
♩ = 280
♩ = 107
♩ = 173
pp
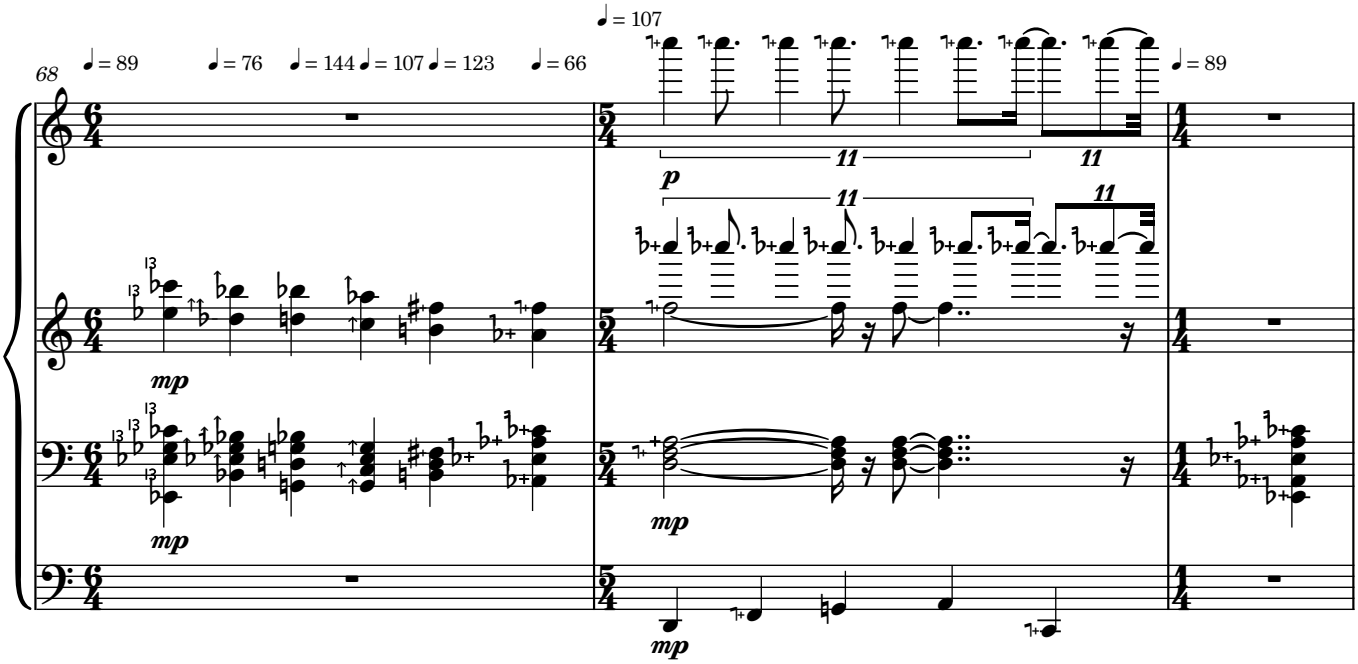

53
♩ = 89
♩ = 76
♩ = 280
♩ = 107
♩ = 173
♩ = 89
♩ = 76
♩ = 66
♩ = 89
mp
pp
pp
54
♩ = 107
♩ = 123
♩ = 144
3
55
♩ = 173
♩ = 199
♩ = 233
♩ = 280
♩ = 322
♩ = 377
♩ = 453
♩ = 521
♩ = 610
♩ = 18
♩ = 199
♩ = 18
♩ = 521
ff
ff
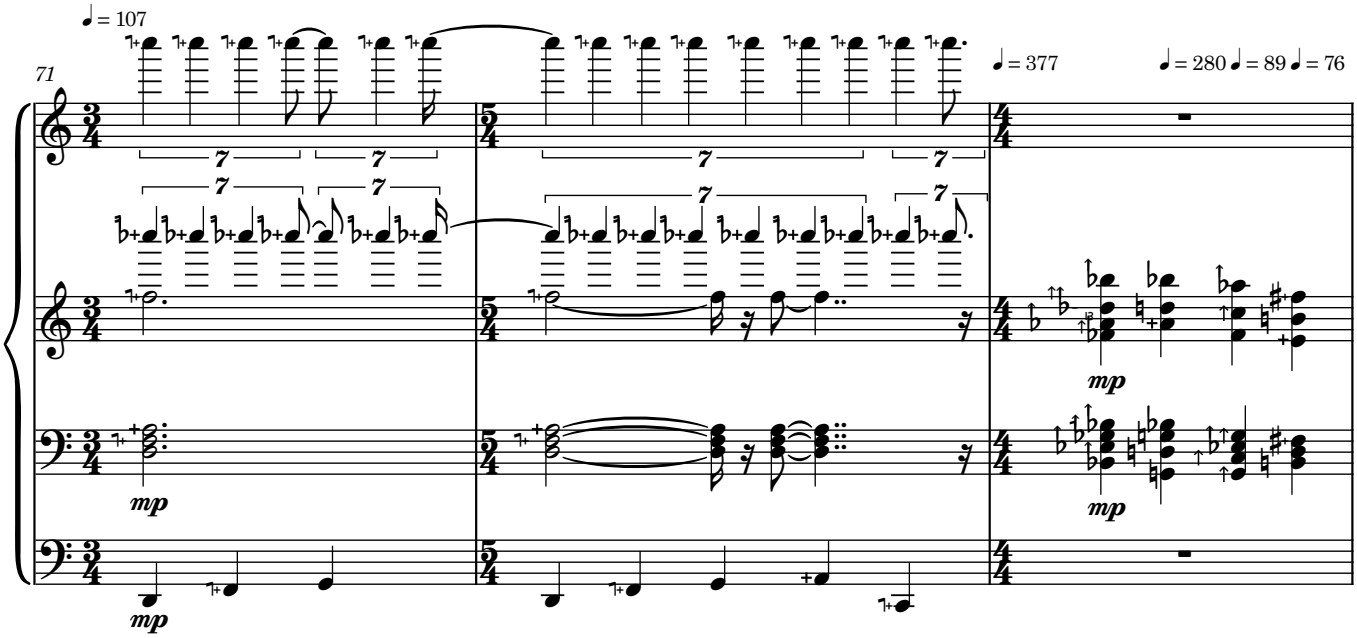

56
♩ = 322
♩ = 521
♩ = 29
♩ = 18
♩ = 199
57
♩ = 29
♩ = 521
♩ = 610
♩ = 29
ff
ff
ff
58
♩ = 521
♩ = 610
♩ = 18
♩ = 521
♩ = 29
♩ = 123
♩ = 89
♩ = 11
♩ = 29
ff
f
mf
mp
p

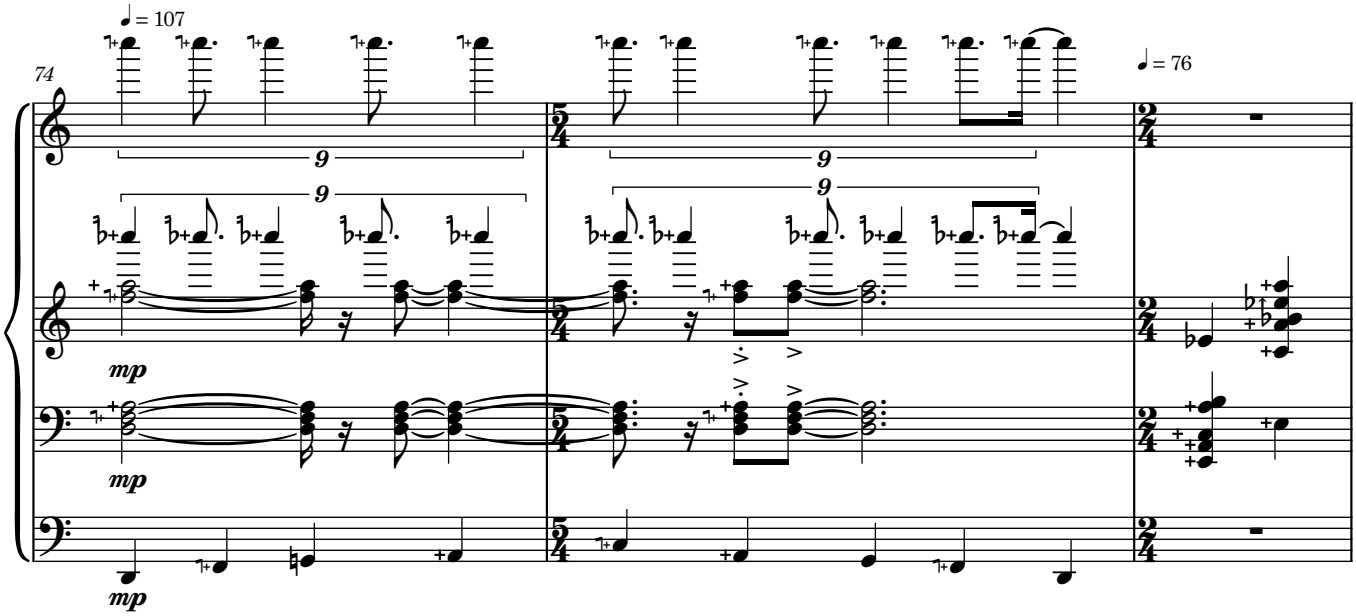

♩ = 107
60
p
mp
mp
mp
mp
♩ = 89
♩ = 76
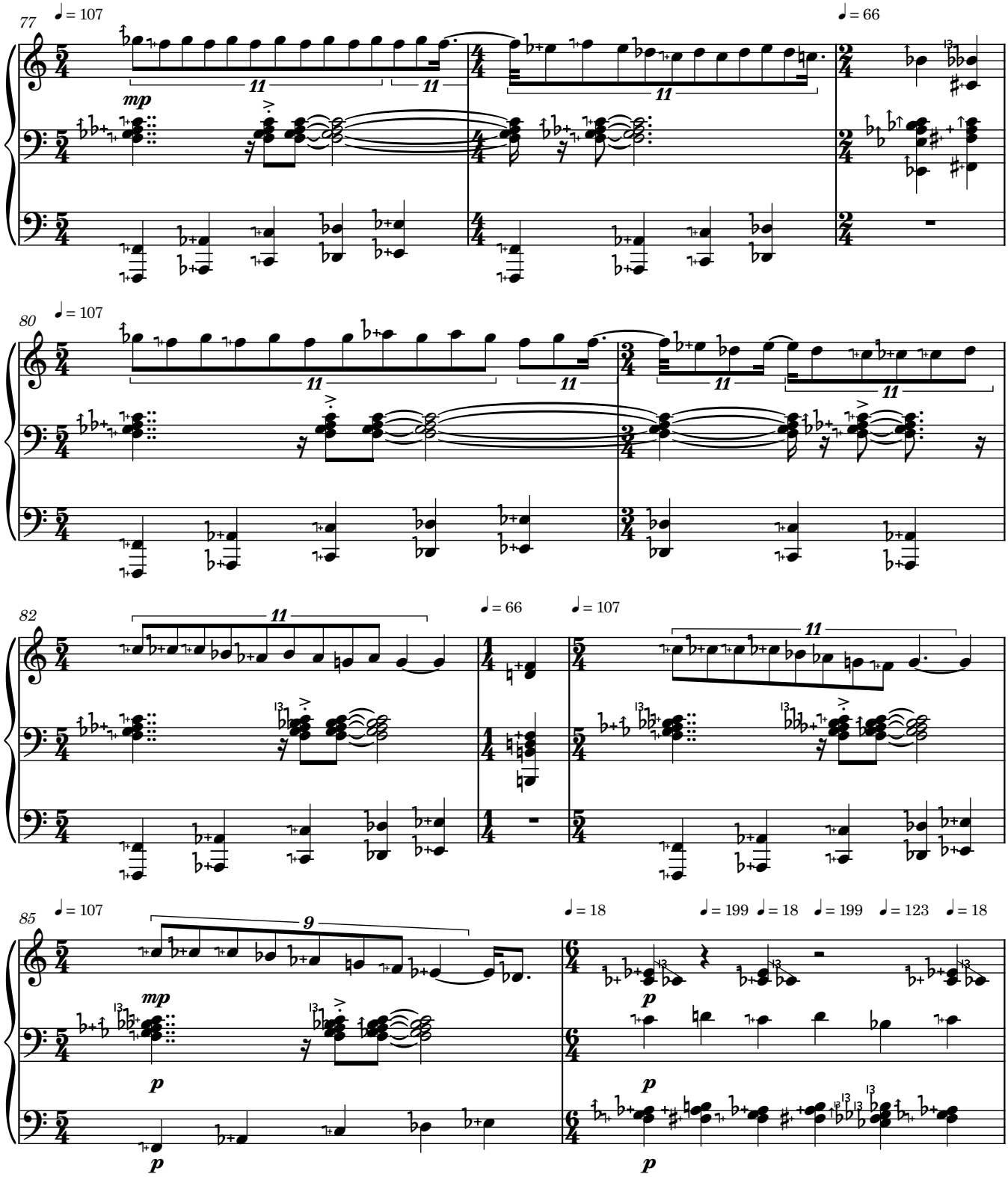

♩ = 107
63
p
mp
mp
mp
mp

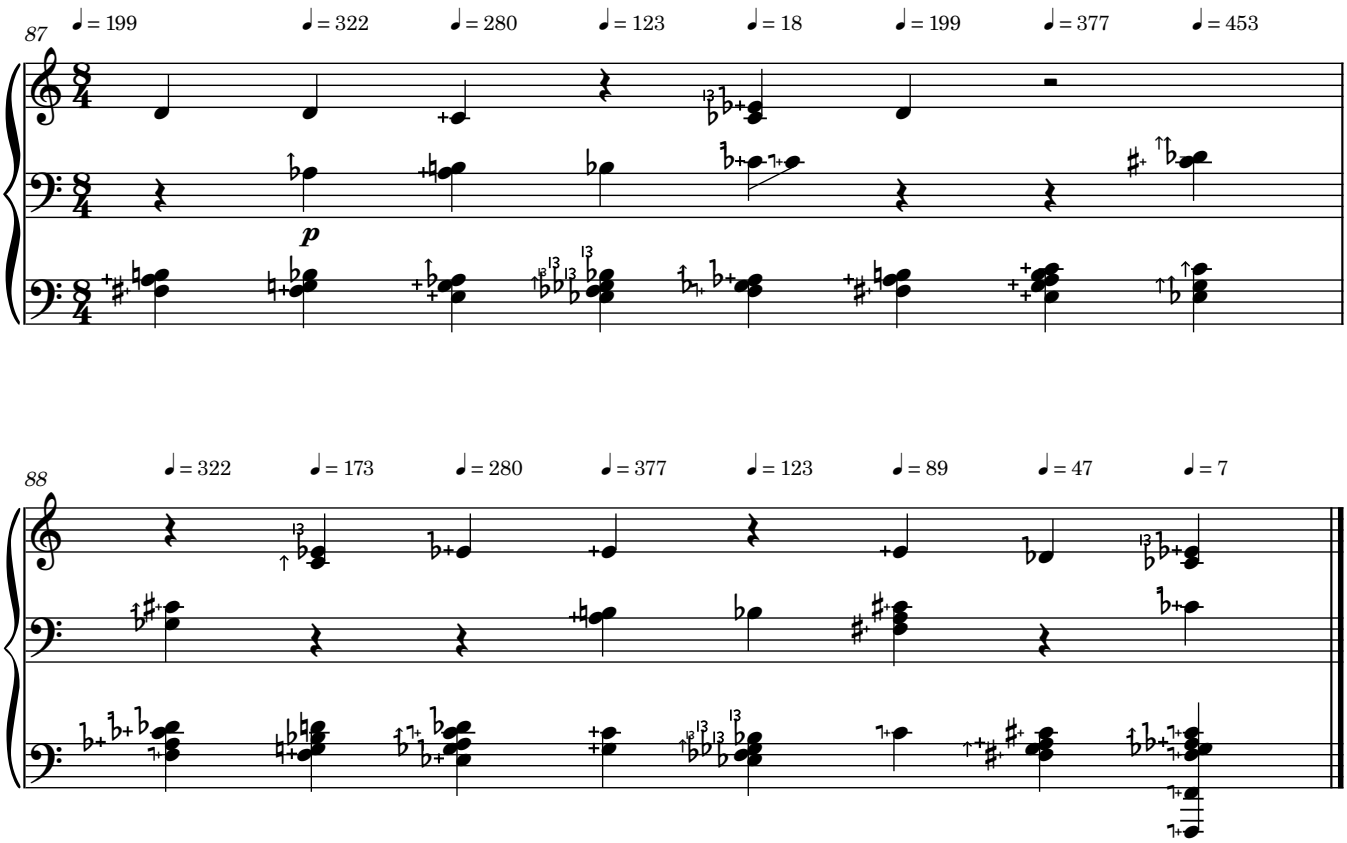

65
♩ = 144
♩ = 66
♩ = 89
♩ = 76
♩ = 107
p
mp
5


68
♩ = 89
♩ = 76
♩ = 144
♩ = 107
♩ = 123
♩ = 66
♩ = 89
p
mp
11


71
♩ = 107
♩ = 377
♩ = 280
♩ = 89
♩ = 76
mp
mp
mp
mp


74
♩ = 107
♩ = 76
mp
mp
mp

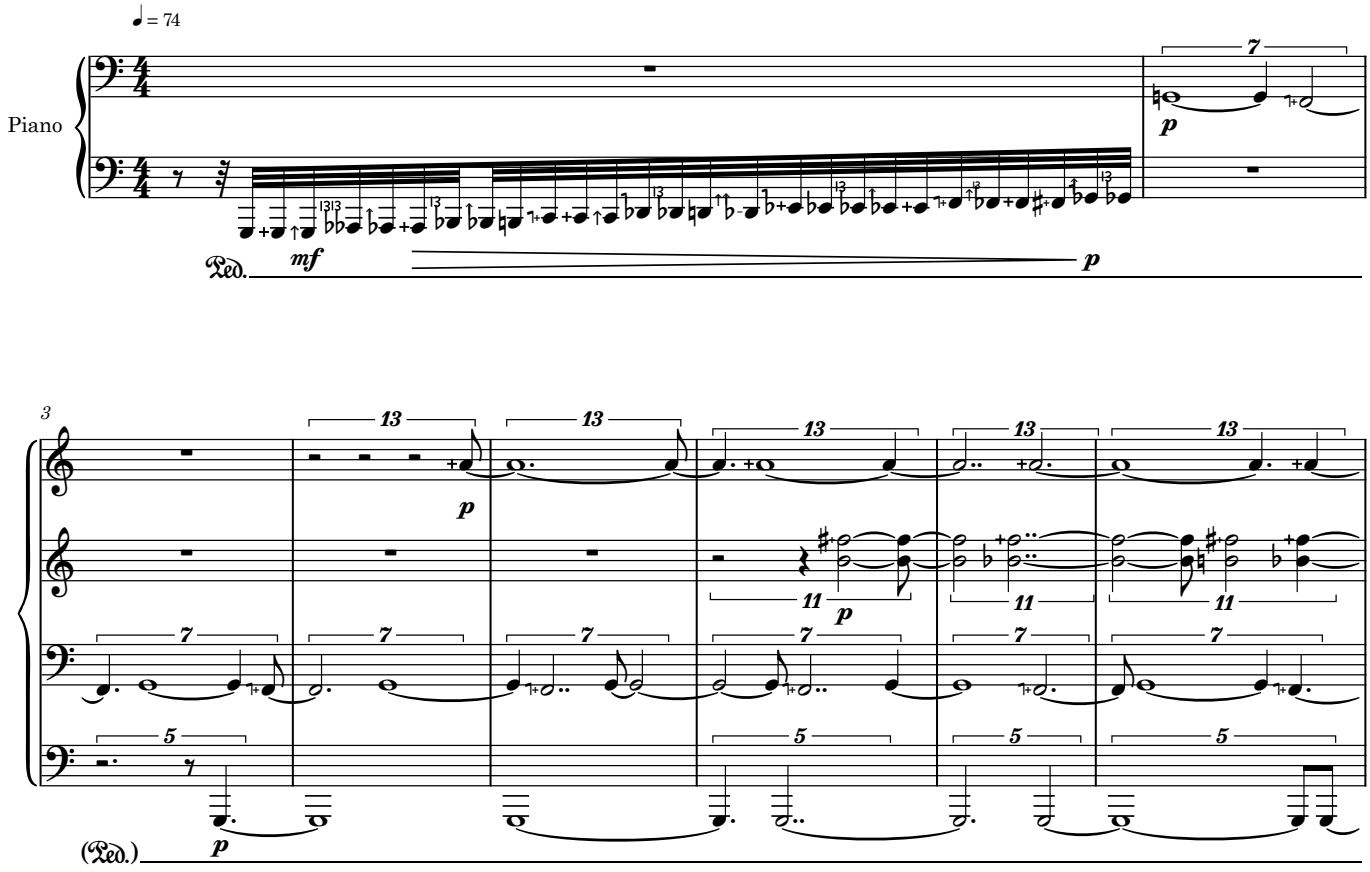

77
♩ = 107
mp
11
11
11
♩ = 66
80
♩ = 107
11
11
11
11
82
11
♩ = 66
♩ = 107
11
85
♩ = 107
9
mp
p
p
♩ = 18
p
p
p
♩ = 199
♩ = 18
♩ = 199
♩ = 123
♩ = 18
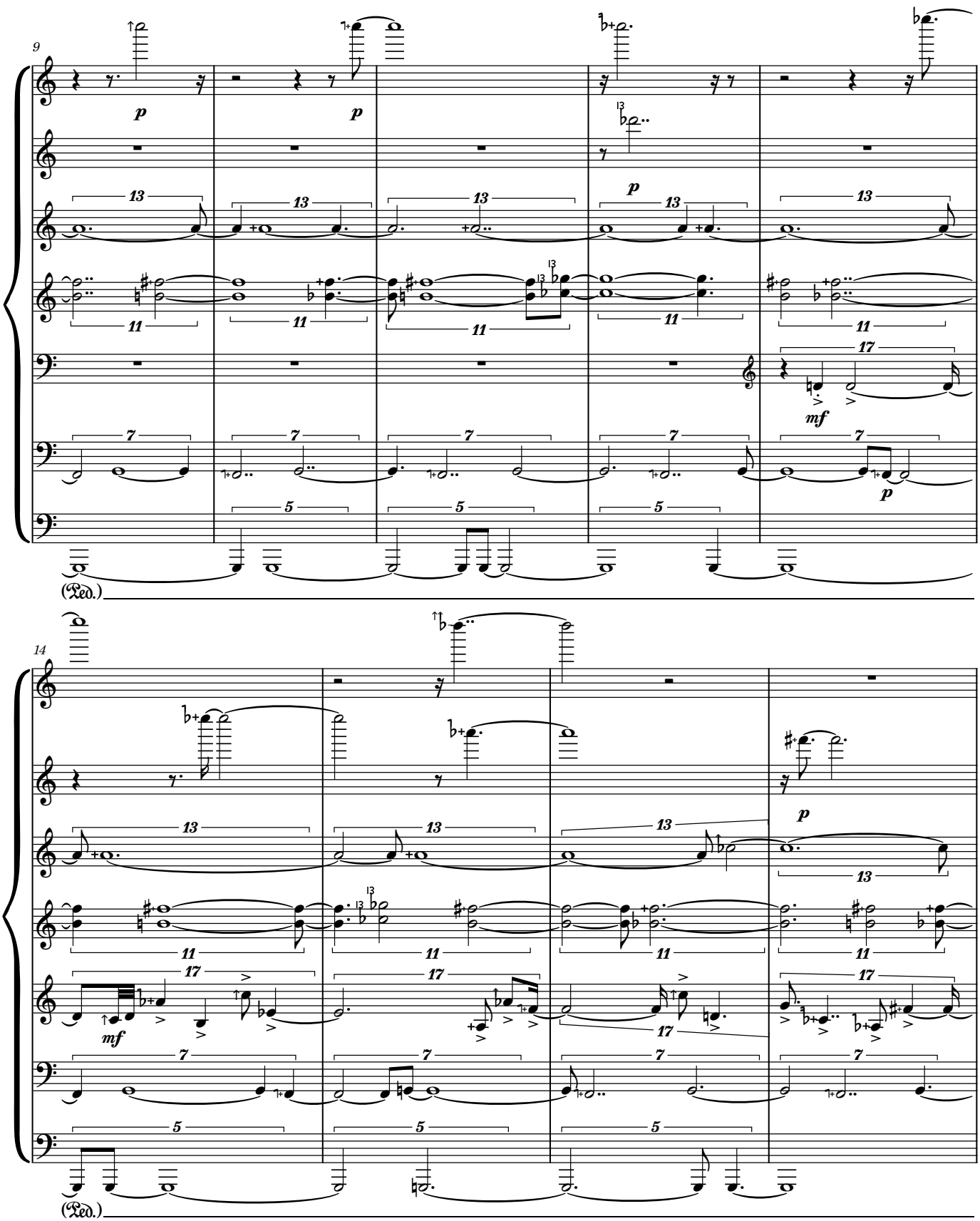


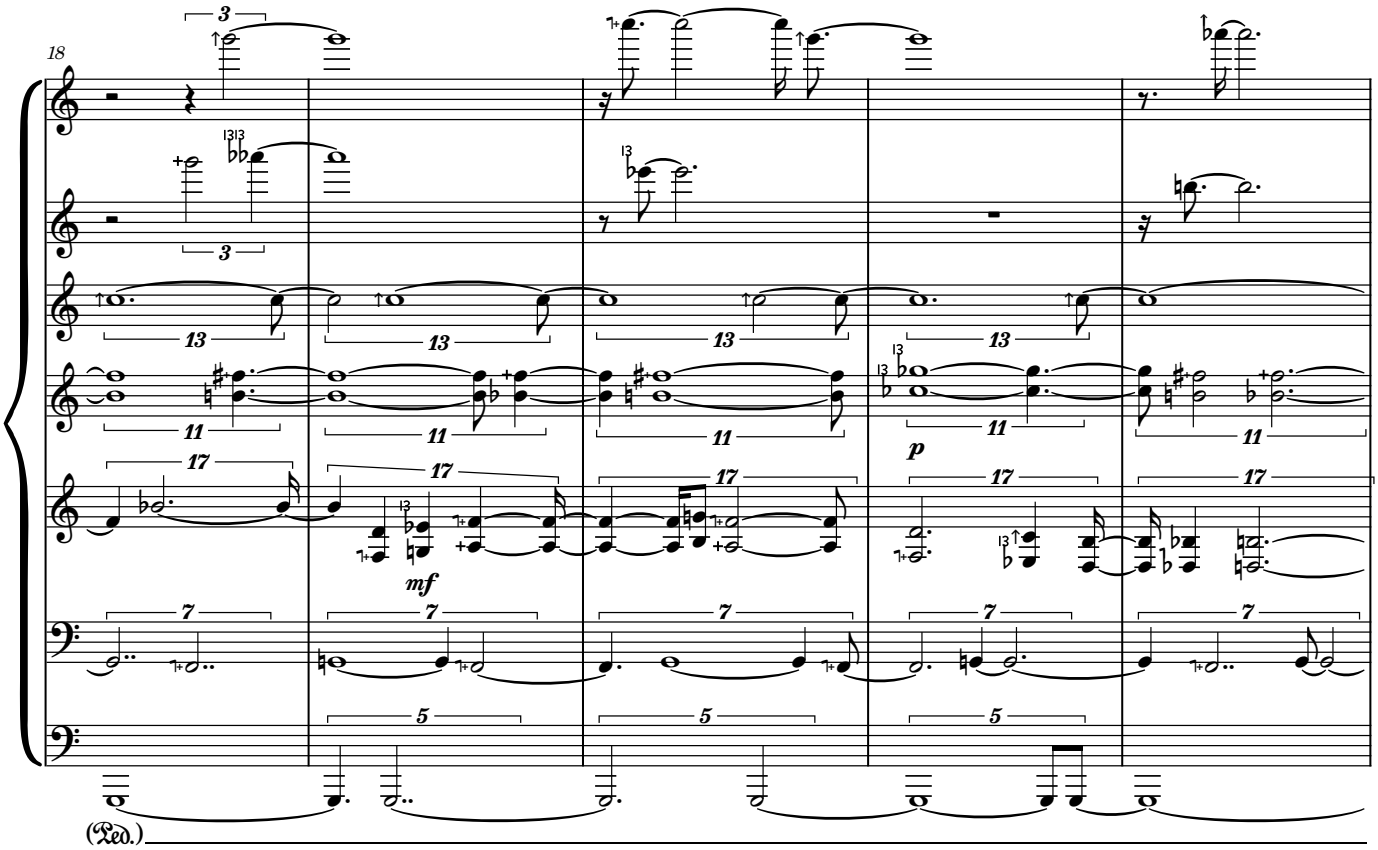
July 21-28, 2020
from a 2017 sketch
Germantown, NY

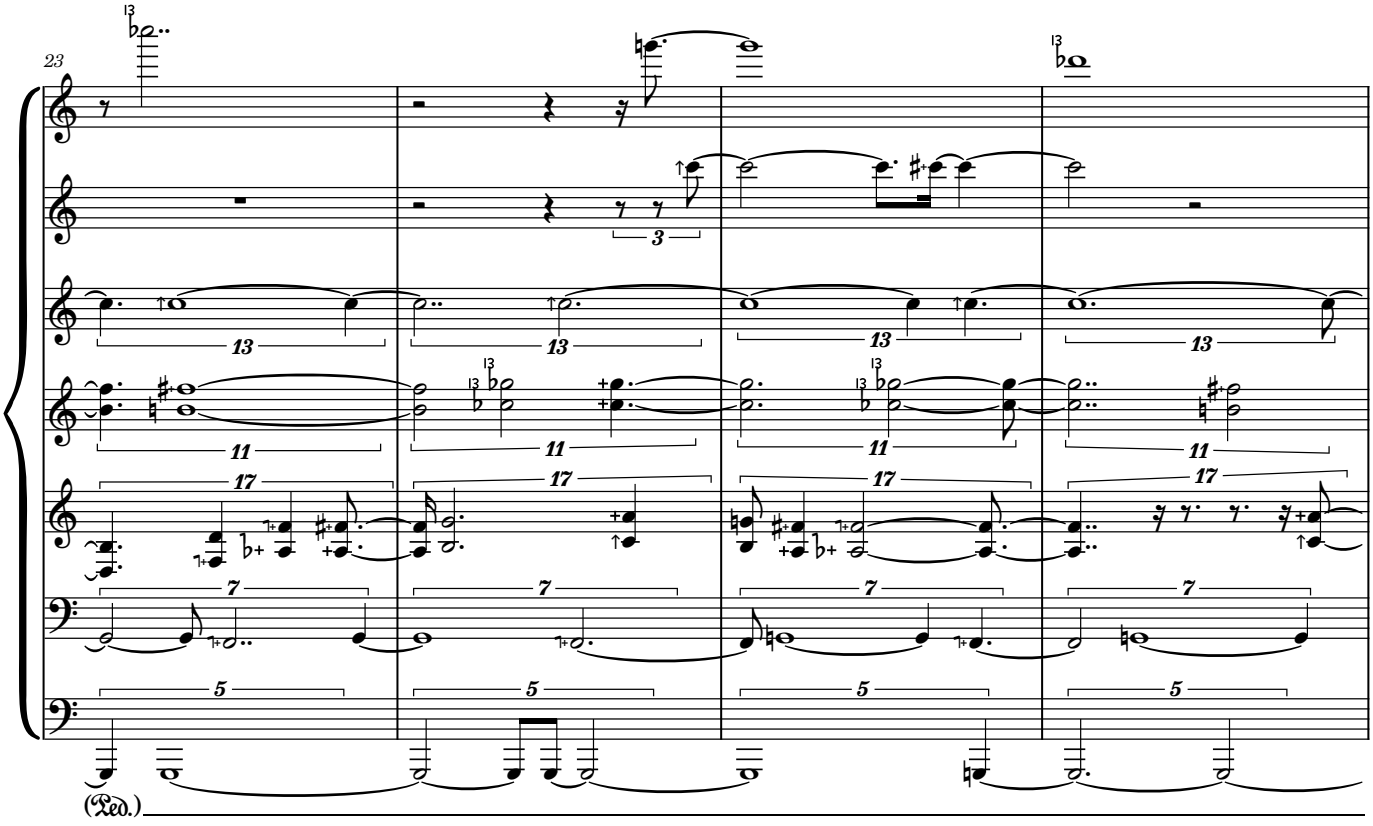
Neptune Night

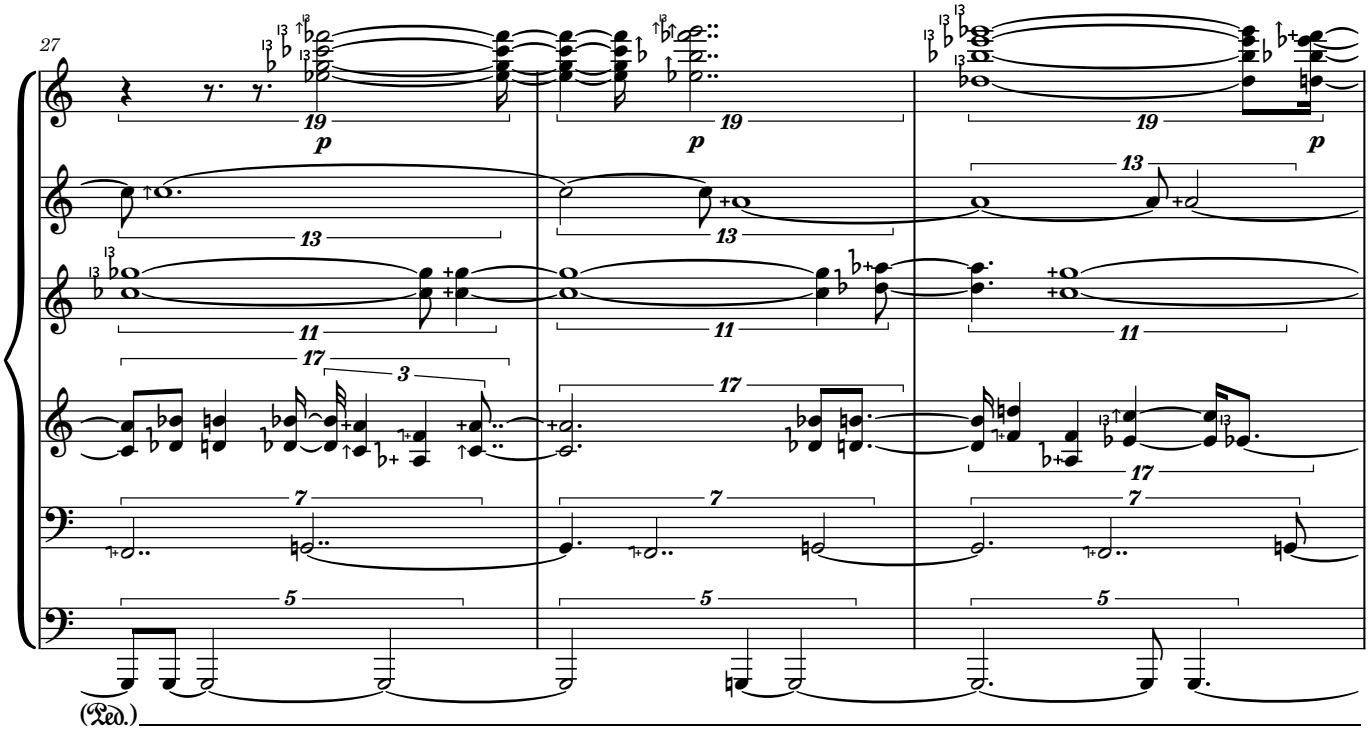
Kyle Gann
2017
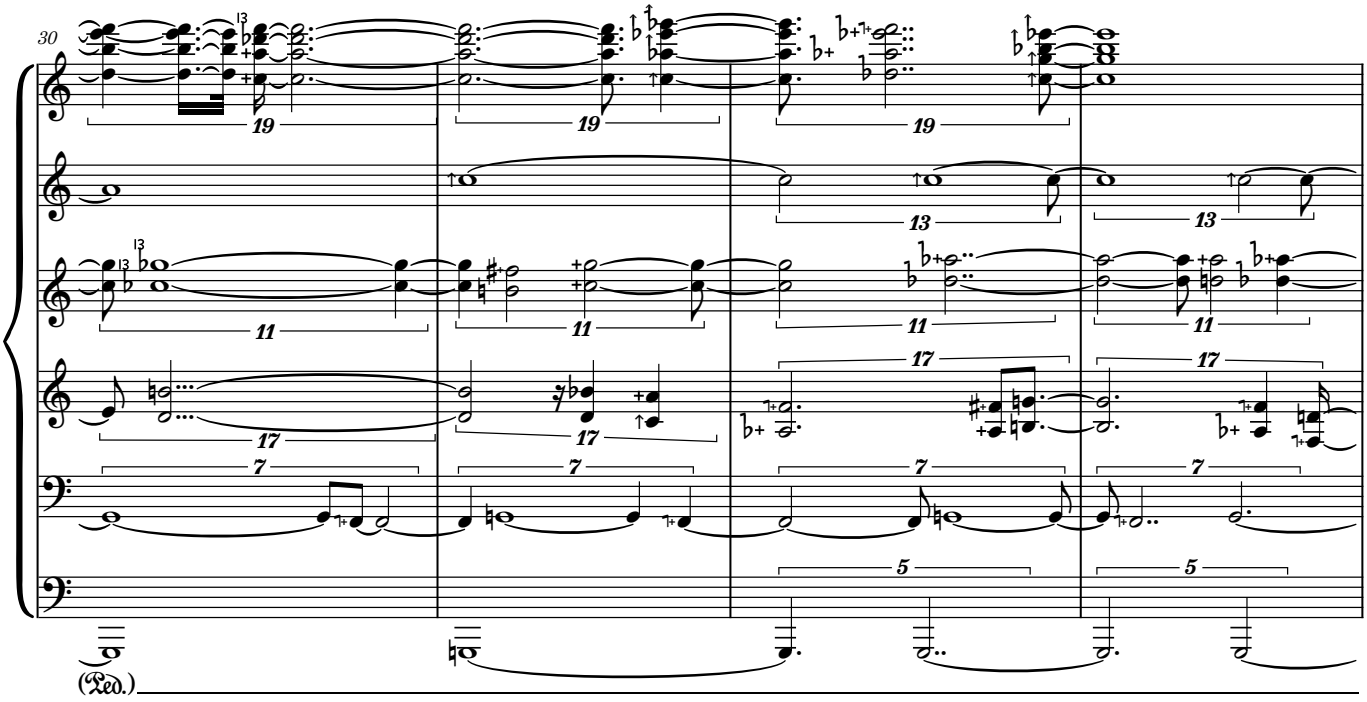


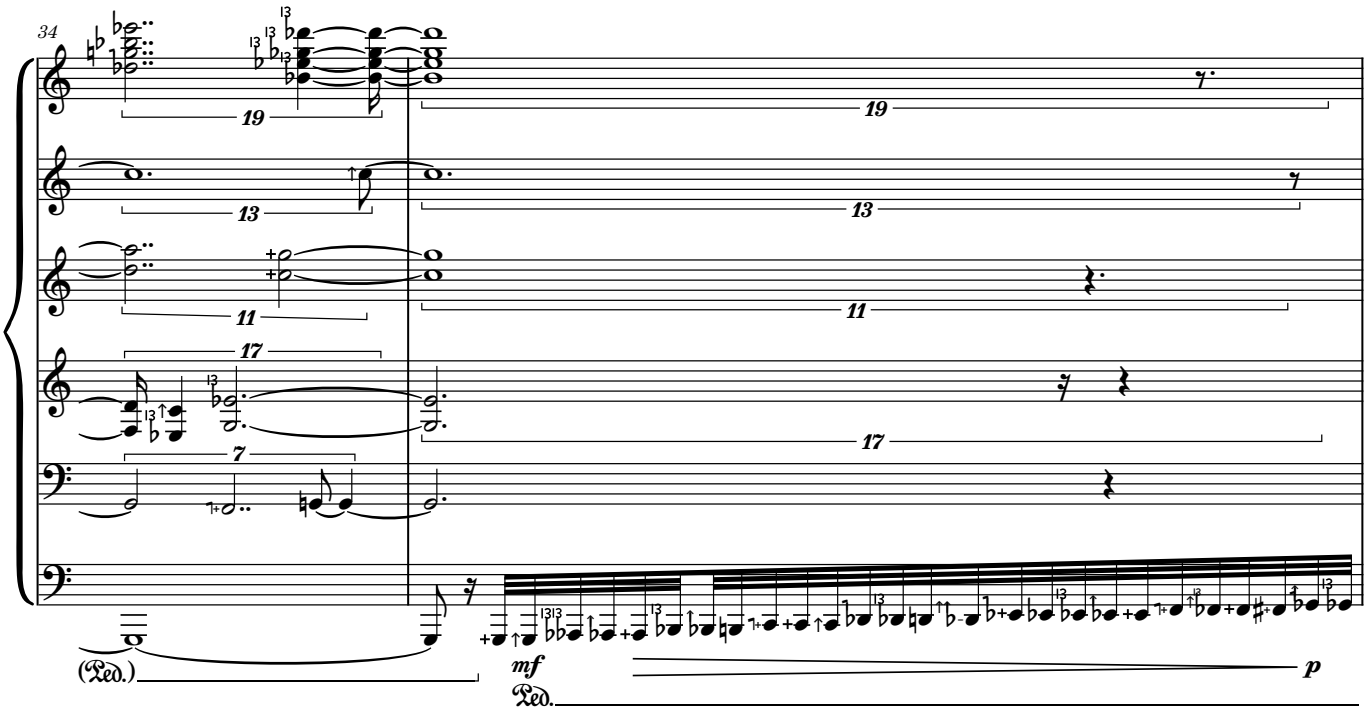

9
p
p
13
11
7
5
p
17
mf
p
(Ped.)
14
13
11
17
7
5
mf
p
(Ped.)

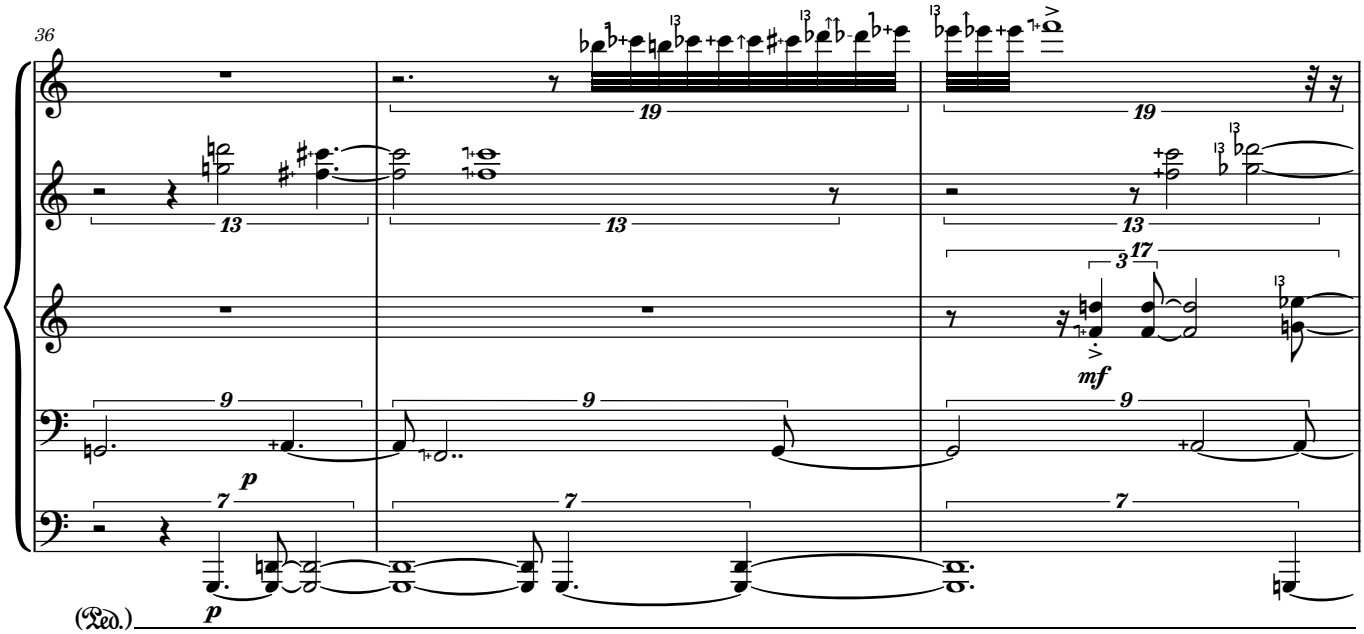

18
mf
p
(Ped.)

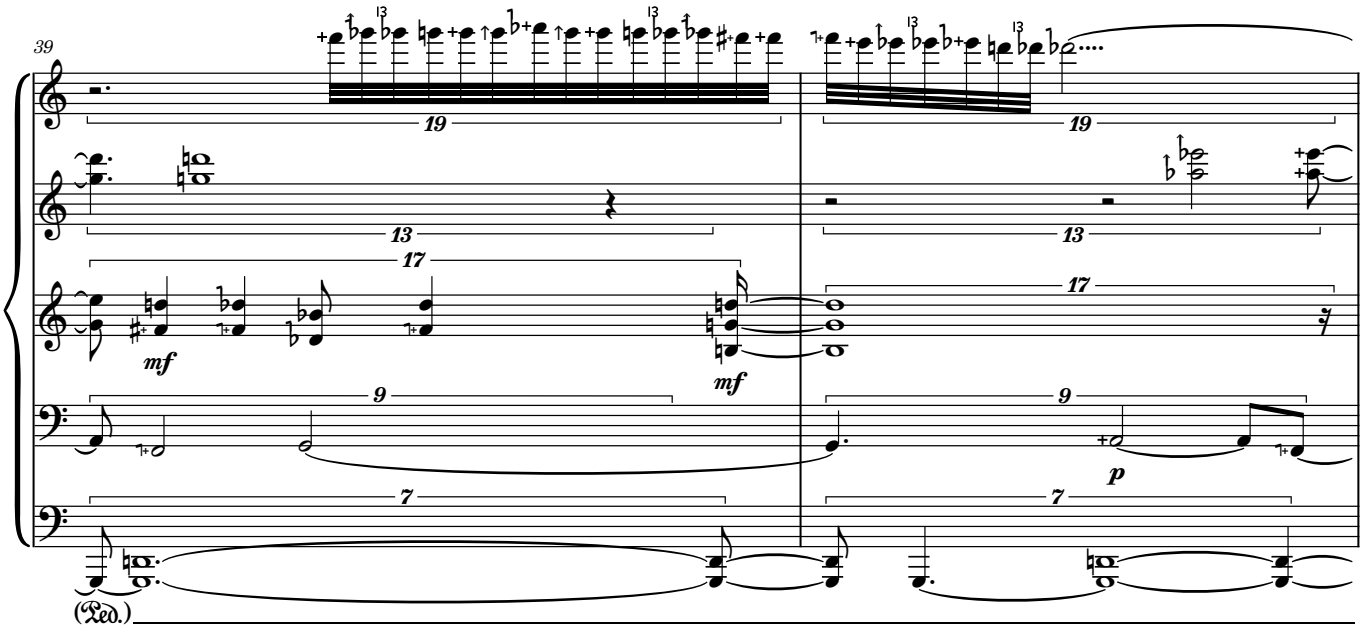

23
(Ped.)

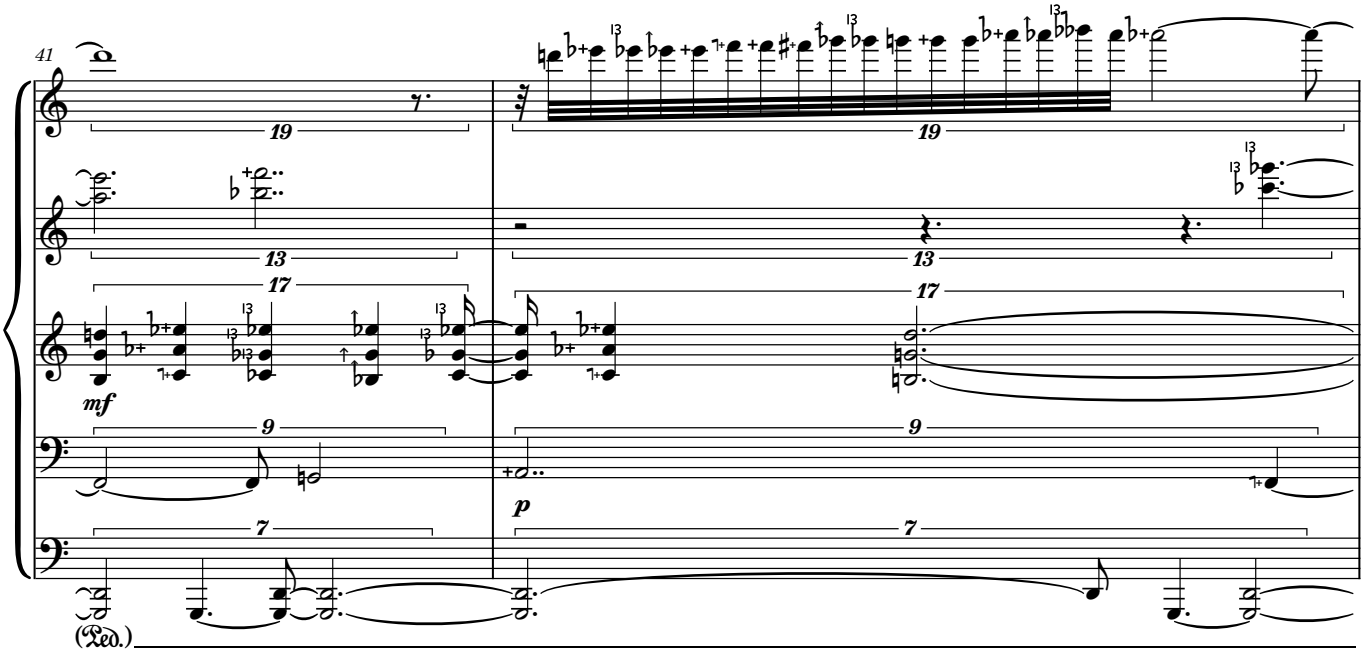

27
19
p
13
11
17
3
7
5
(Ped.)

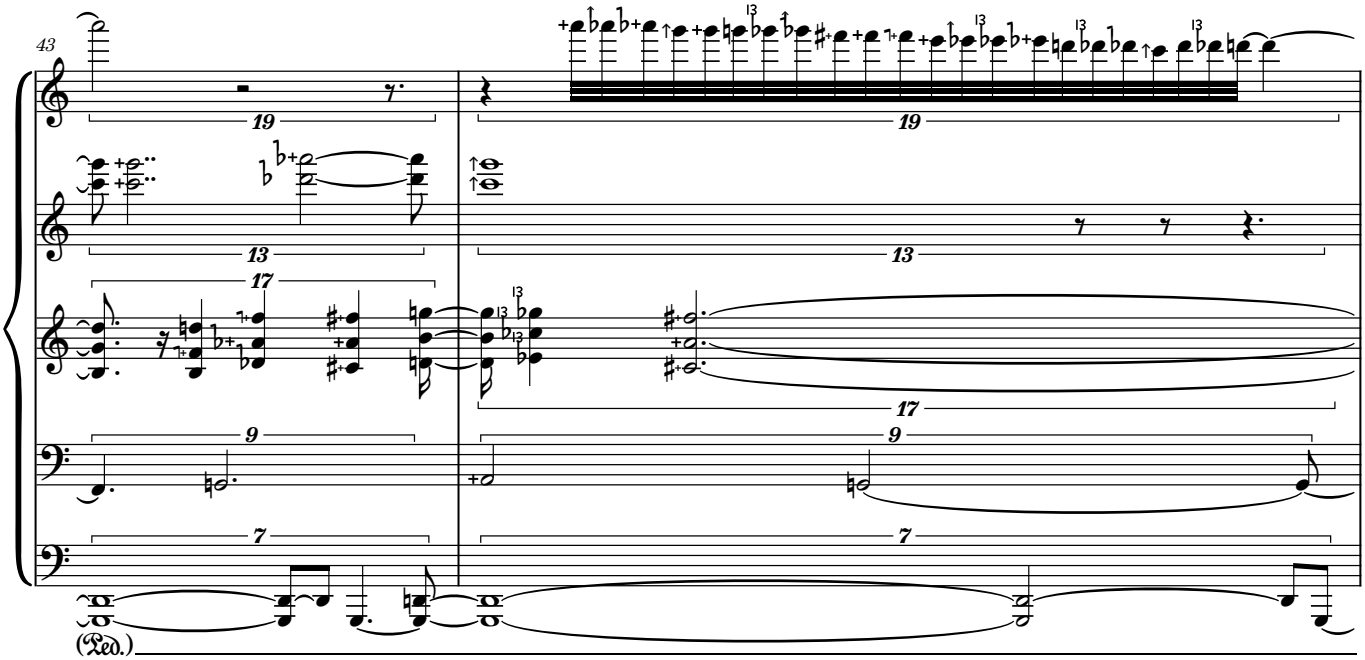

30
19
13
11
17
7
5
(Ped.)

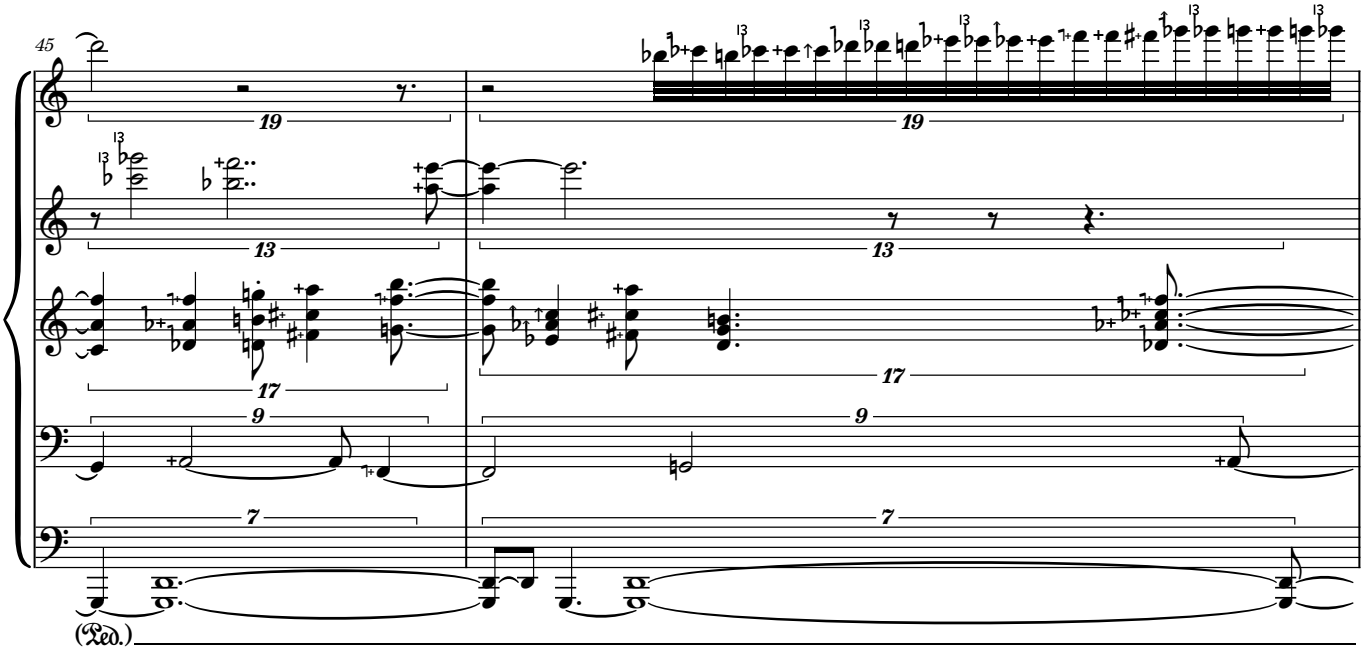

34
19
13
11
17
7
(Ped.)
mf
Ped.
p

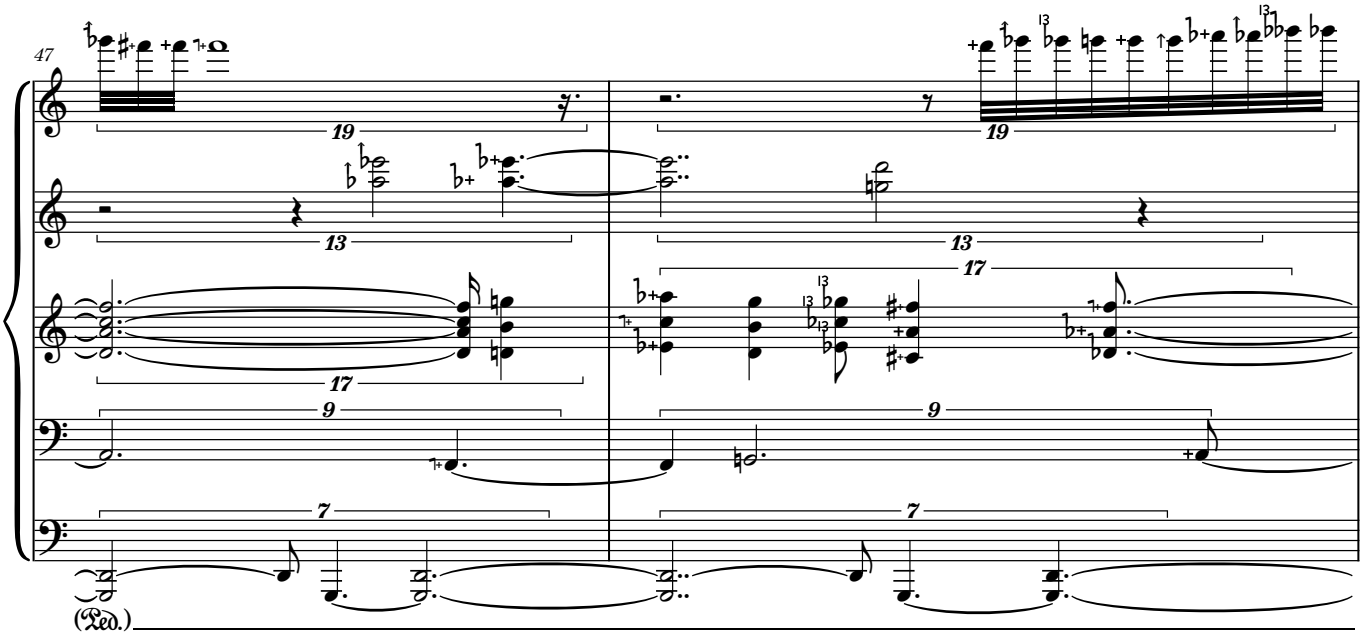

36
19
13
17
3
9
7
mf
p
(Ped.)

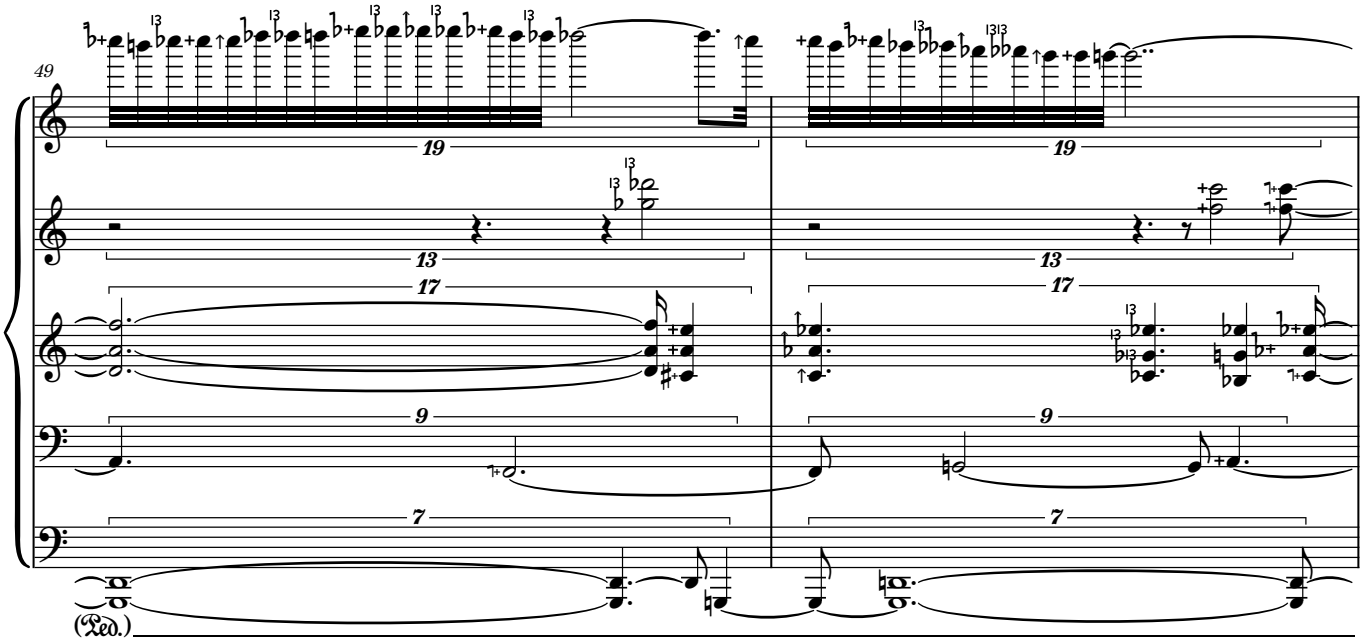

39
19
13
17
9
7
mf
mf
p
(Ped.)

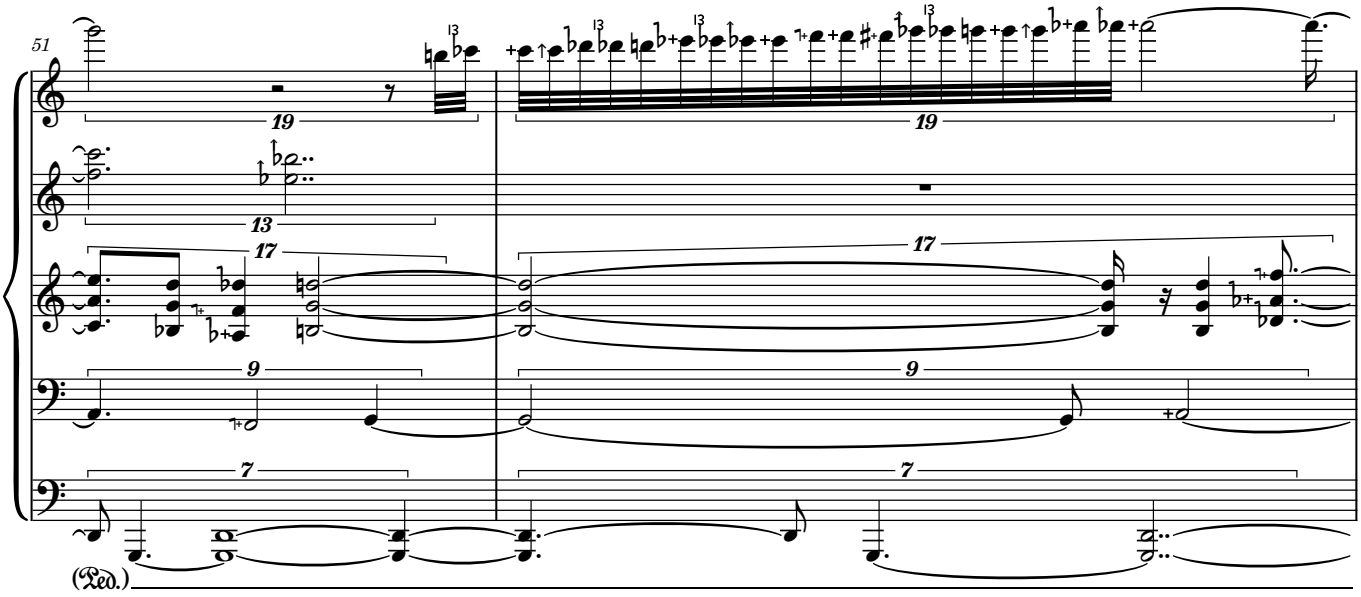

41
19
13
17
9
7
mf
p
(Ped.)

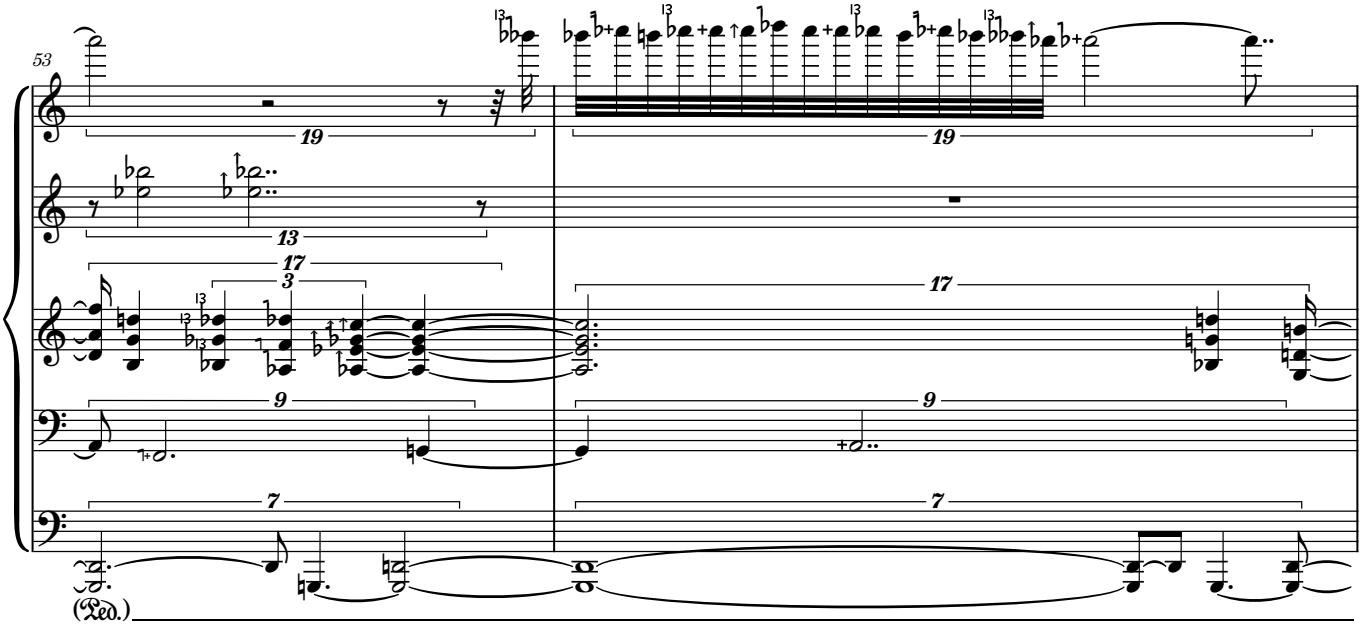

43
19
19
13
13
17
17
9
9
7
7
(Ped.)

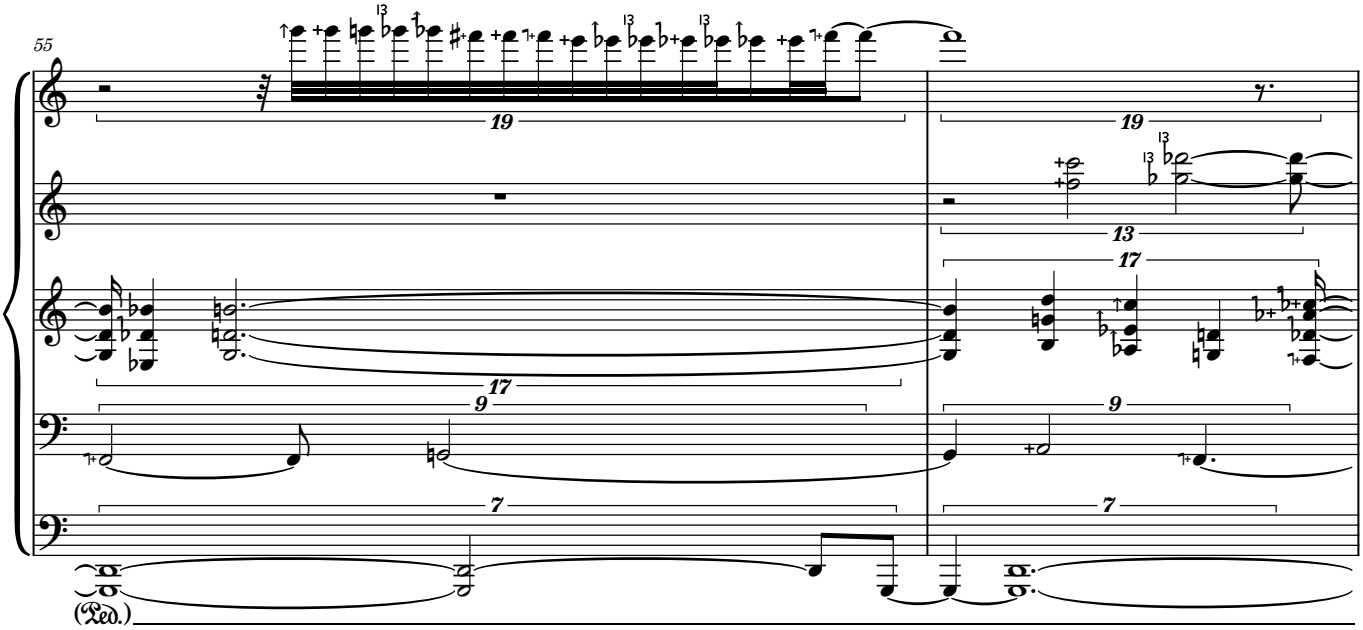

45
19
19
13
13
17
17
9
9
7
7
(Ped.)

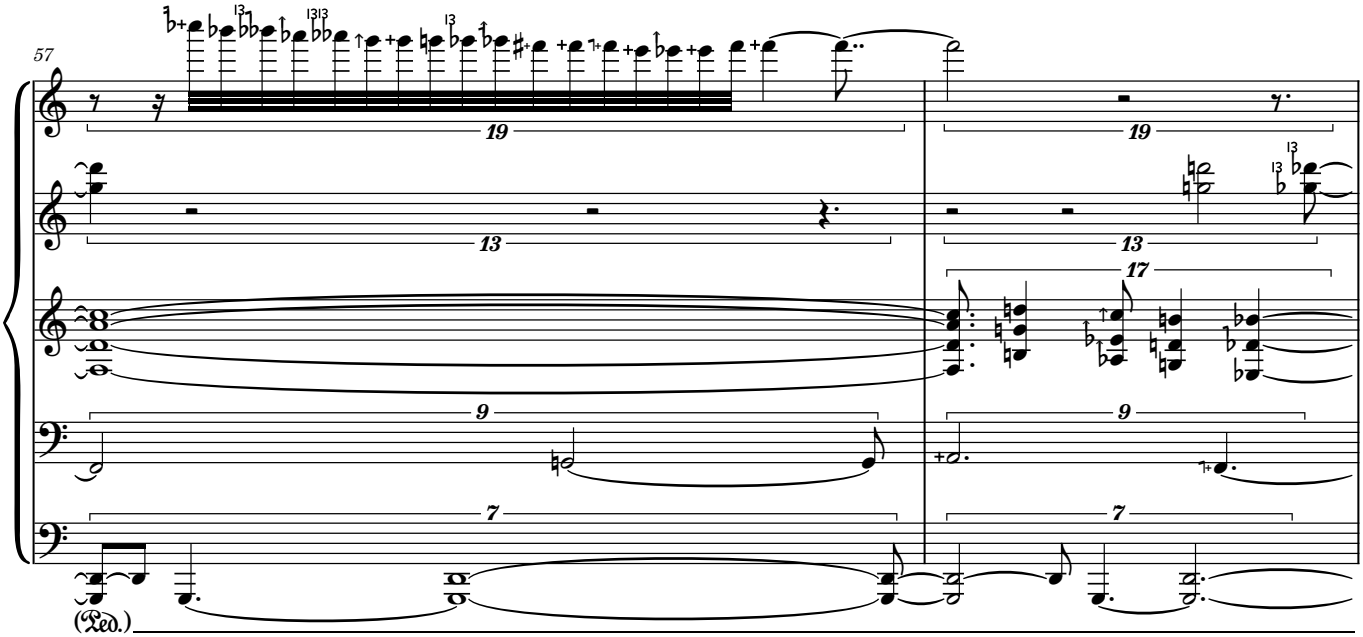

47
19
13
17
9
7
(Ped.)

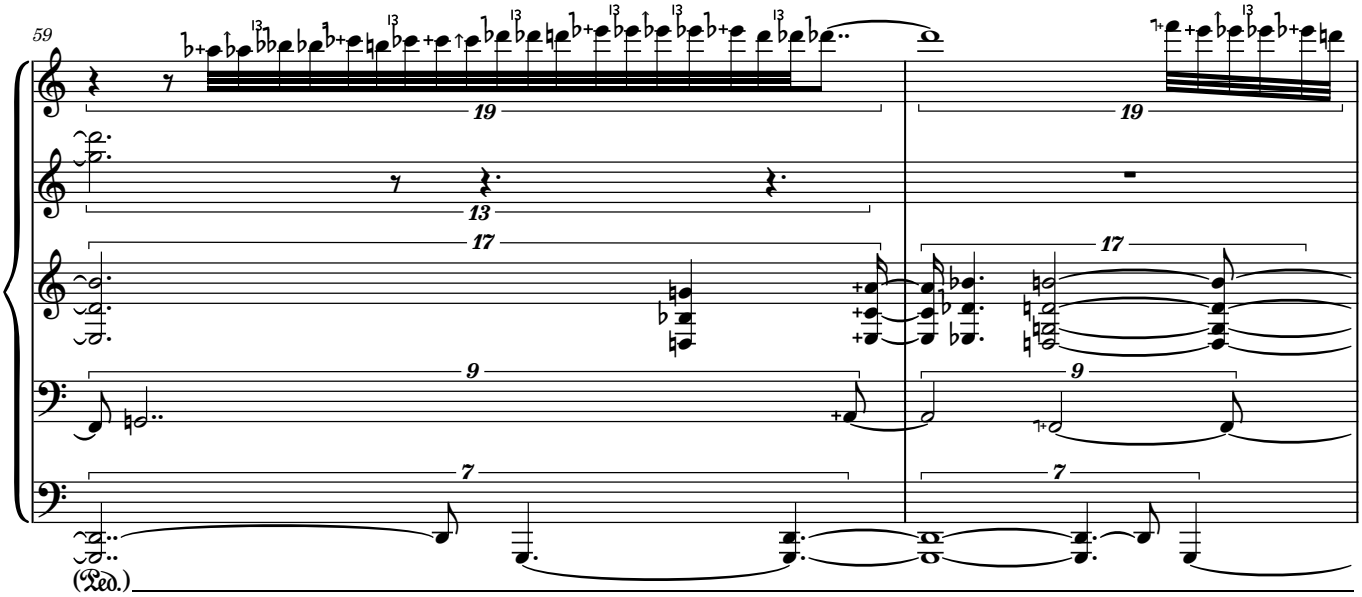

49
19
13
17
9
7
(Ped.)

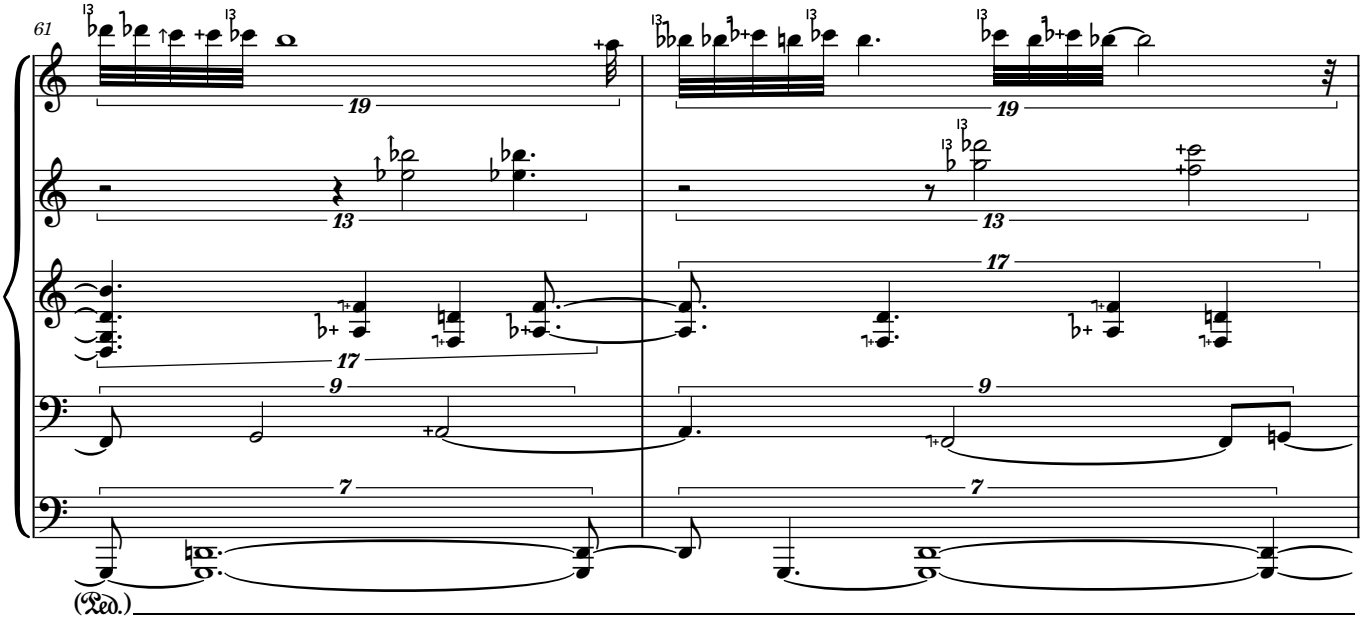

51
19
13
17
9
7
(Ped.)

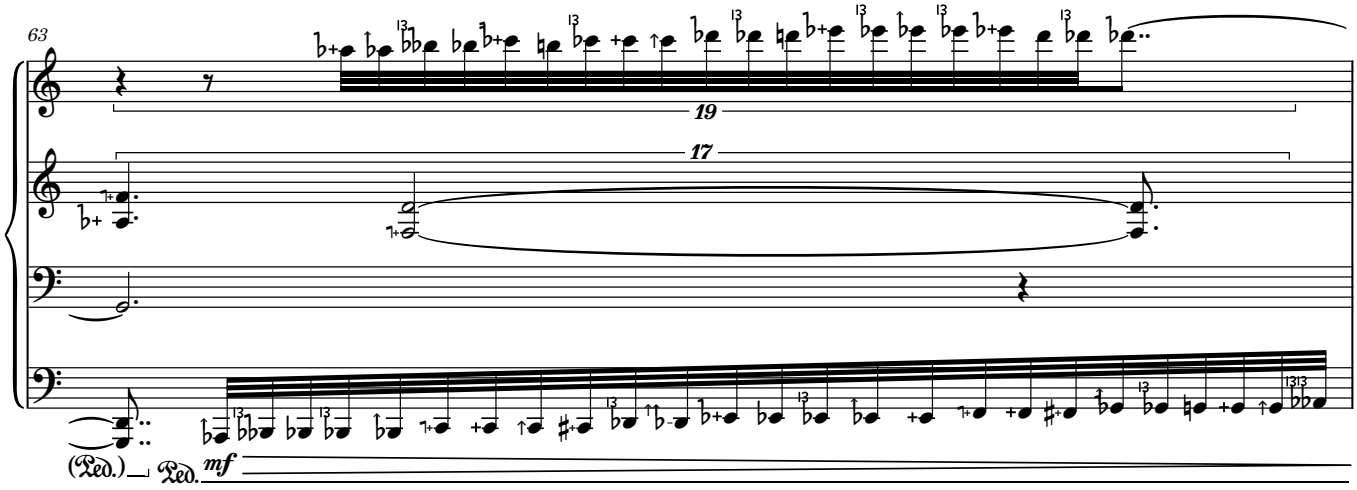

53
19
13
17
3
9
7
(Ped.)

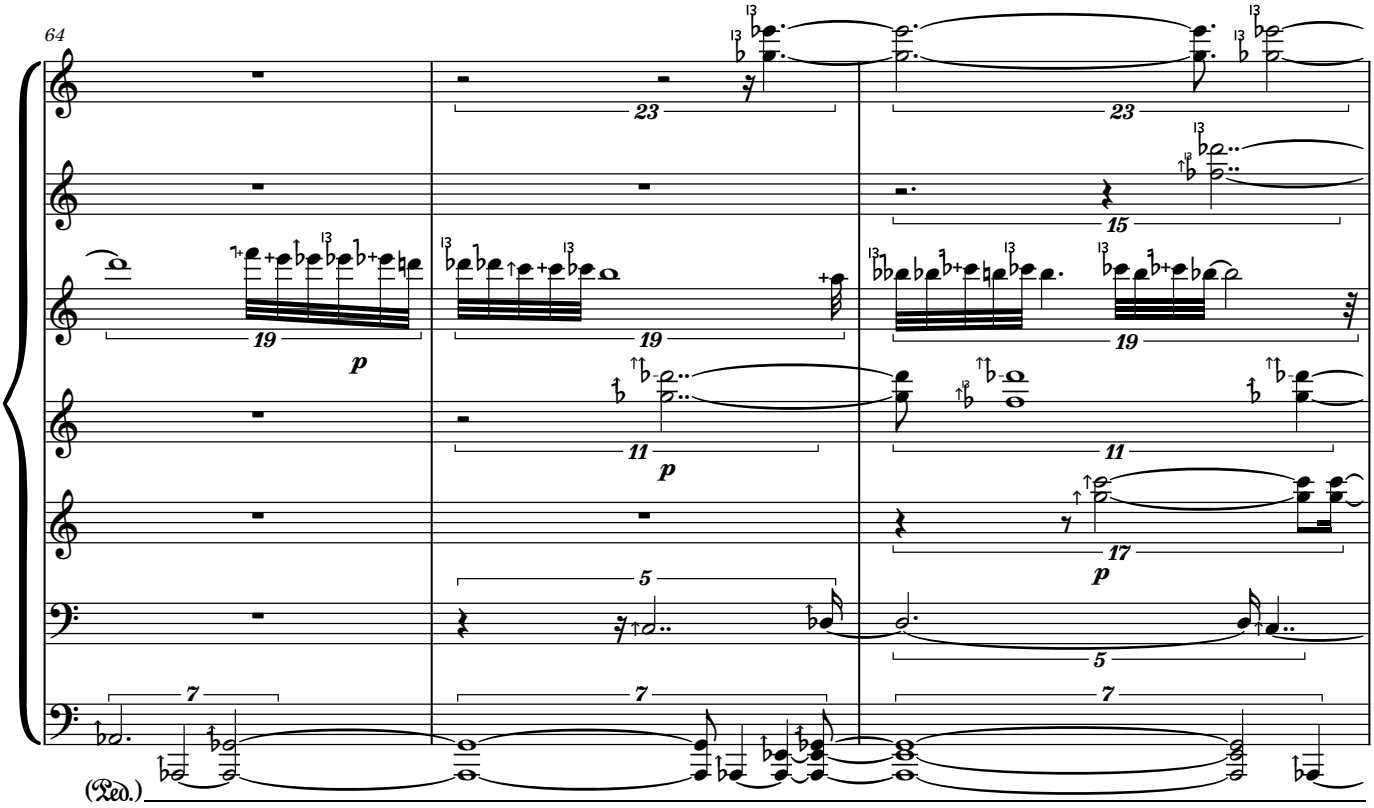

55
19
19
13
17
17
9
9
7
7
(Ped.)

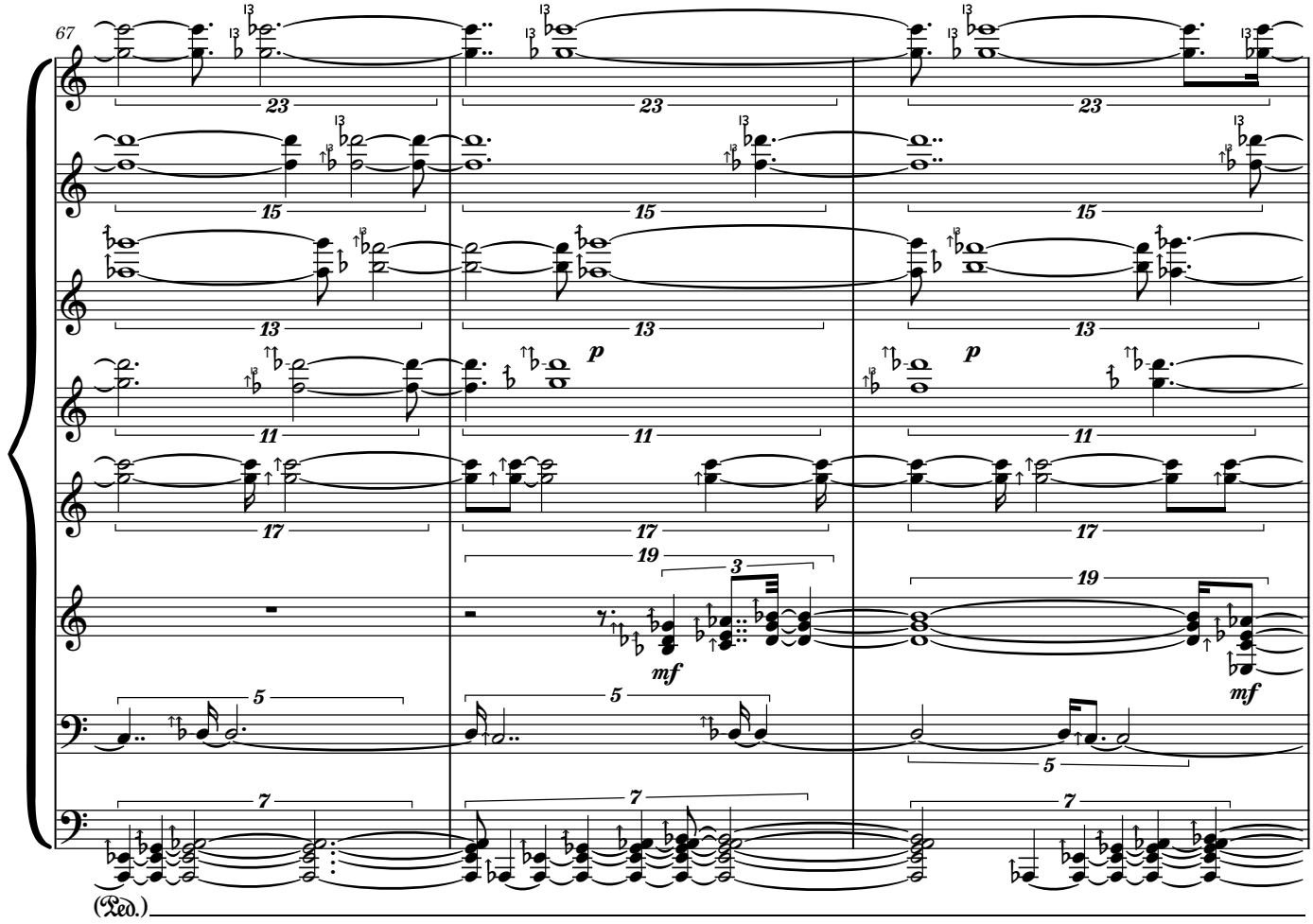

57
19
19
13
13
17
9
9
7
7
(Ped.)

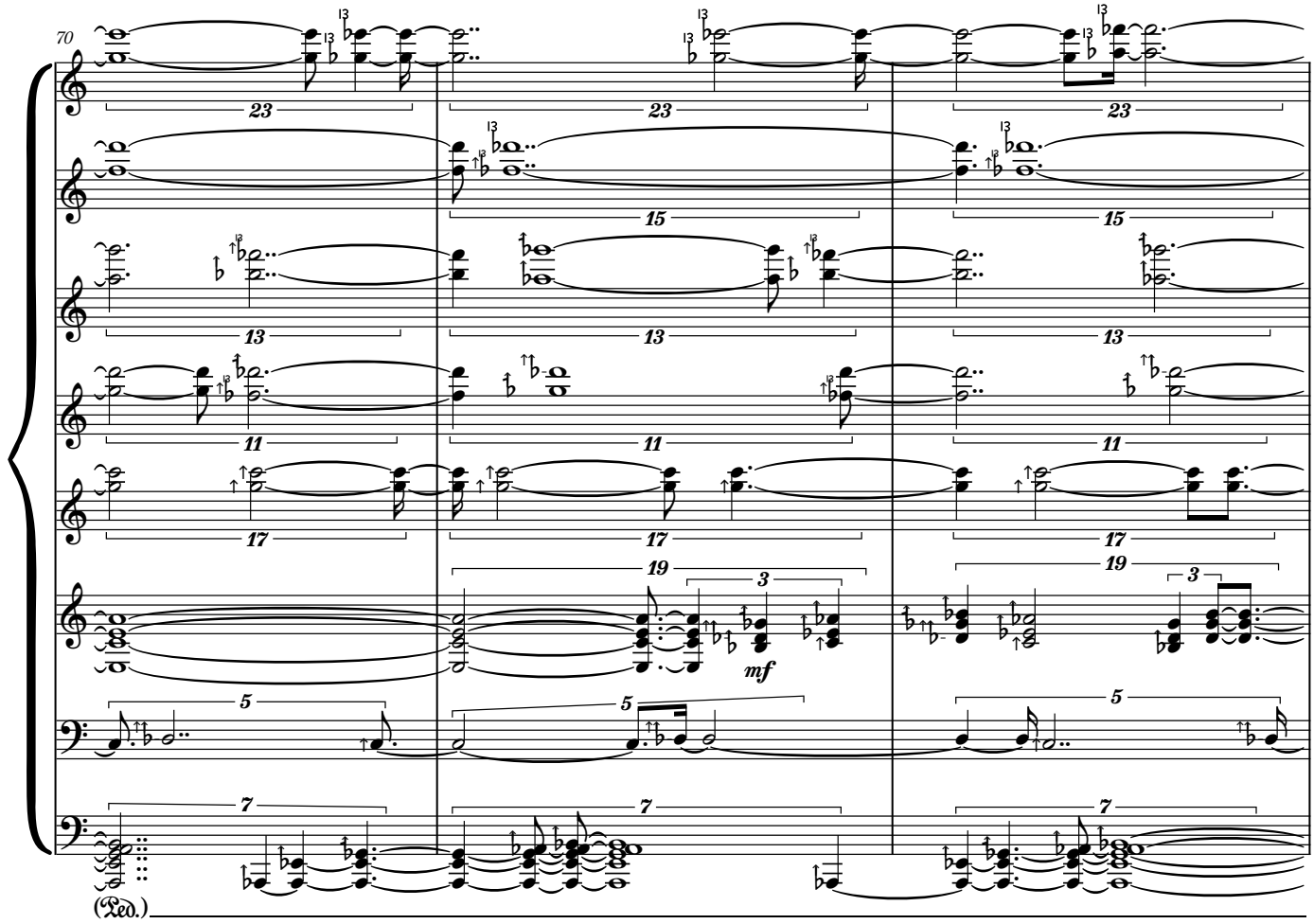

59
19
13
17
9
7
(Ped.)

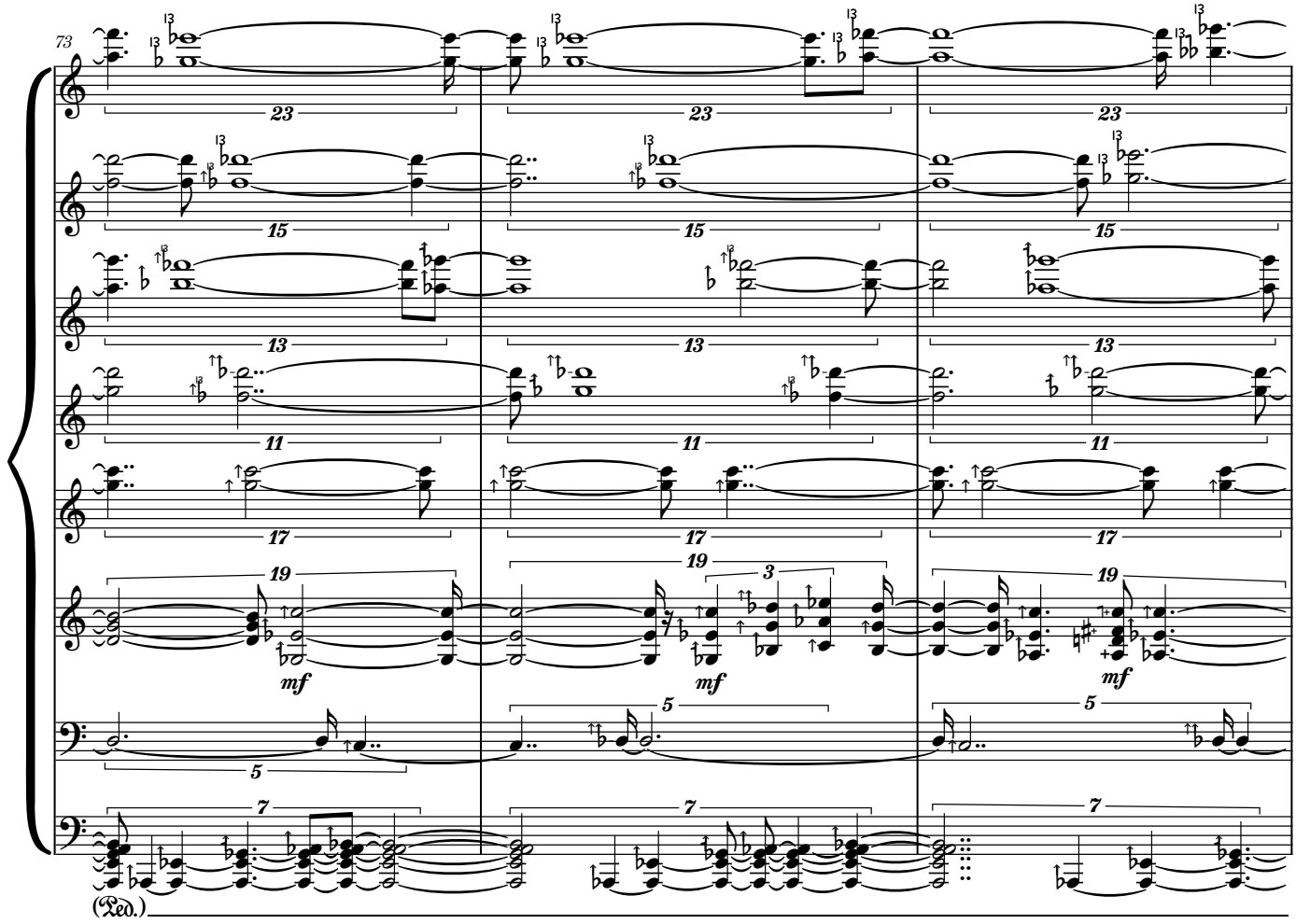

61
19
13
17
9
7
(Ped.)
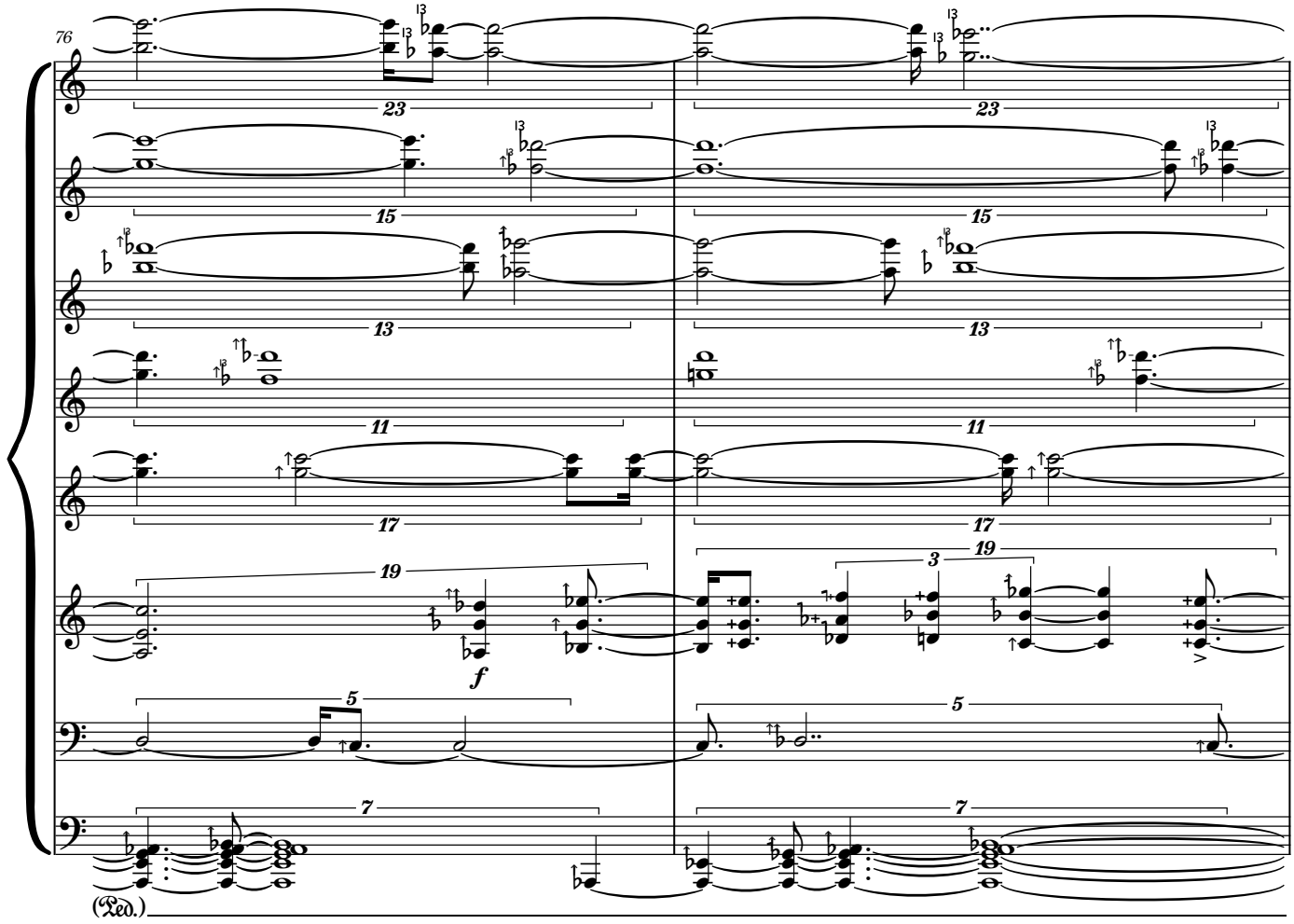

63
19
17
(Ped.)
Ped.
mf

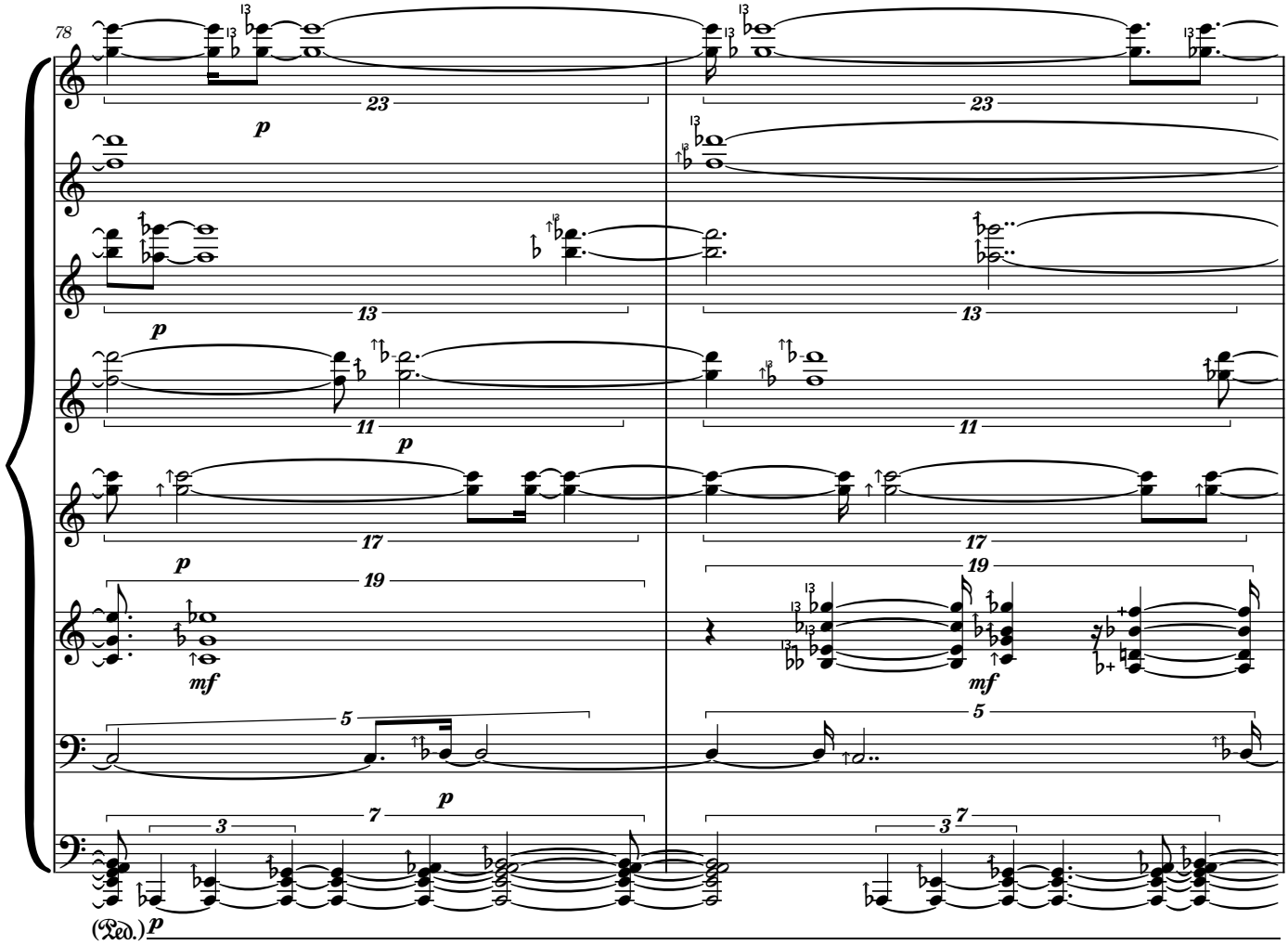

64
23
23
15
19
19
19
p
11
11
p
17
p
5
5
7
7
7
(Ped.)

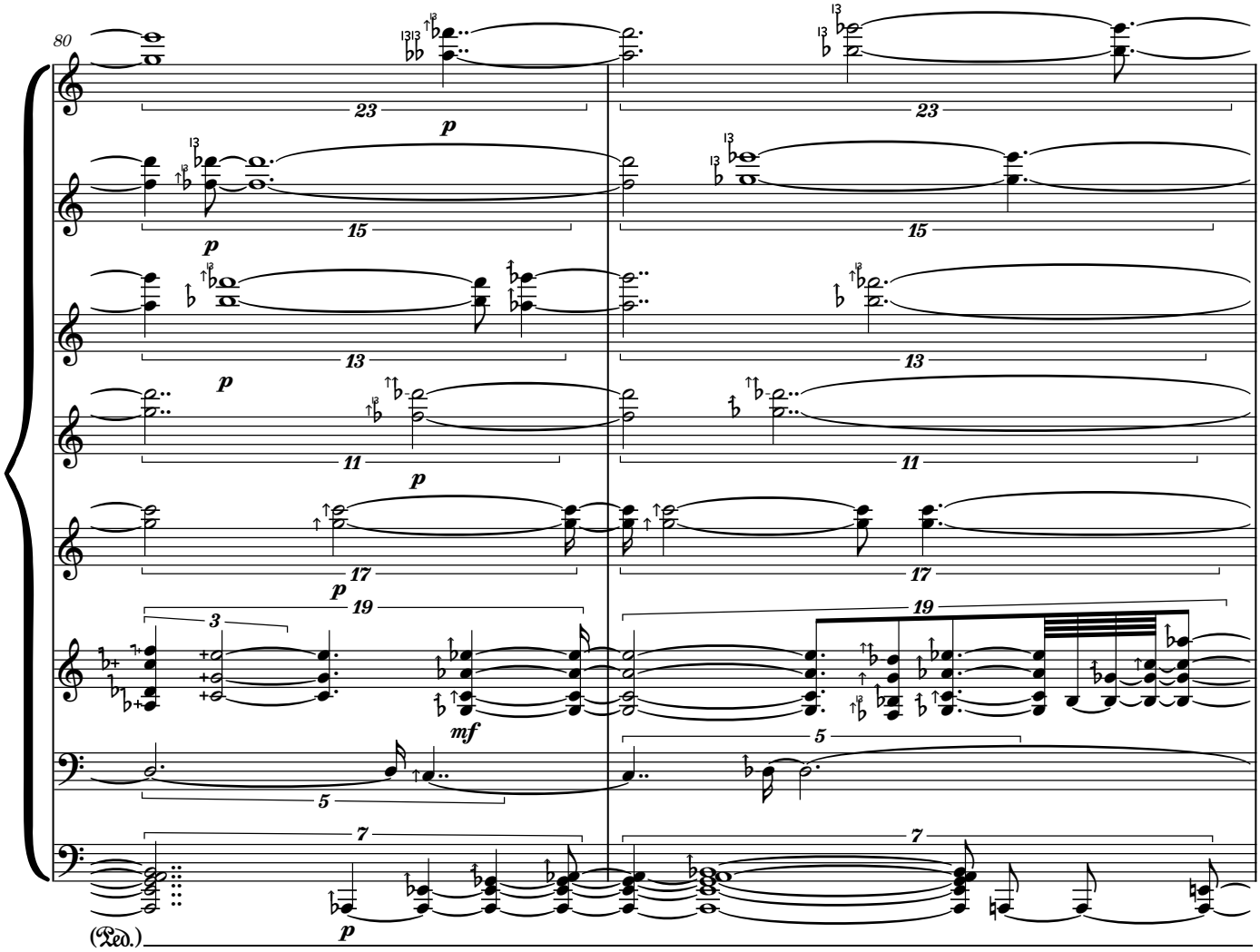

67
23
15
13
11
17
19
3
p
mf
5
7
(Ped.)

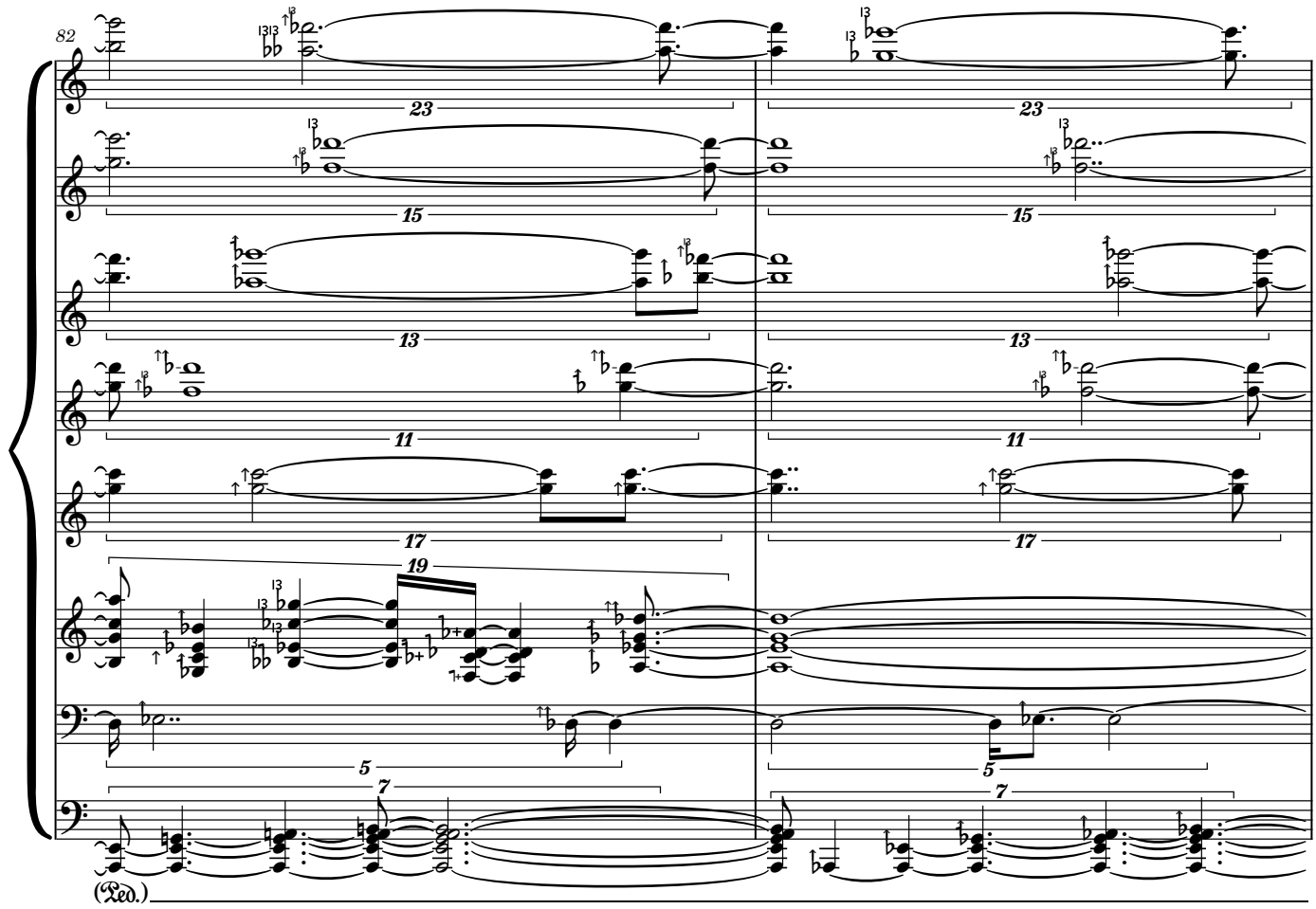

70
23
23
23
15
15
13
13
13
11
11
11
17
17
17
19
19
3
3
mf
5
5
5
7
7
7
(Ped.)

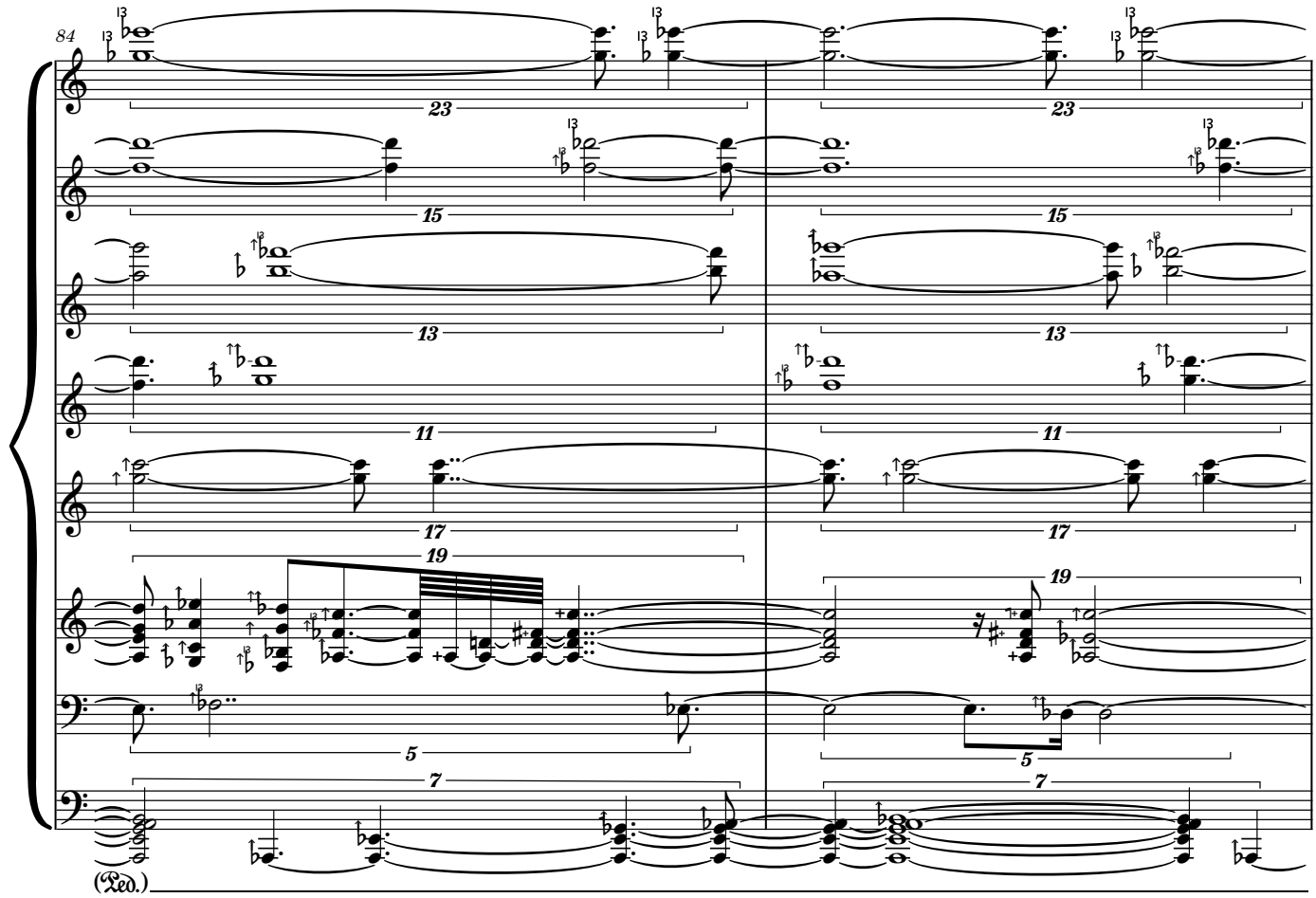

73
23
15
13
11
17
19
3
mf
5
7
(Ped.)
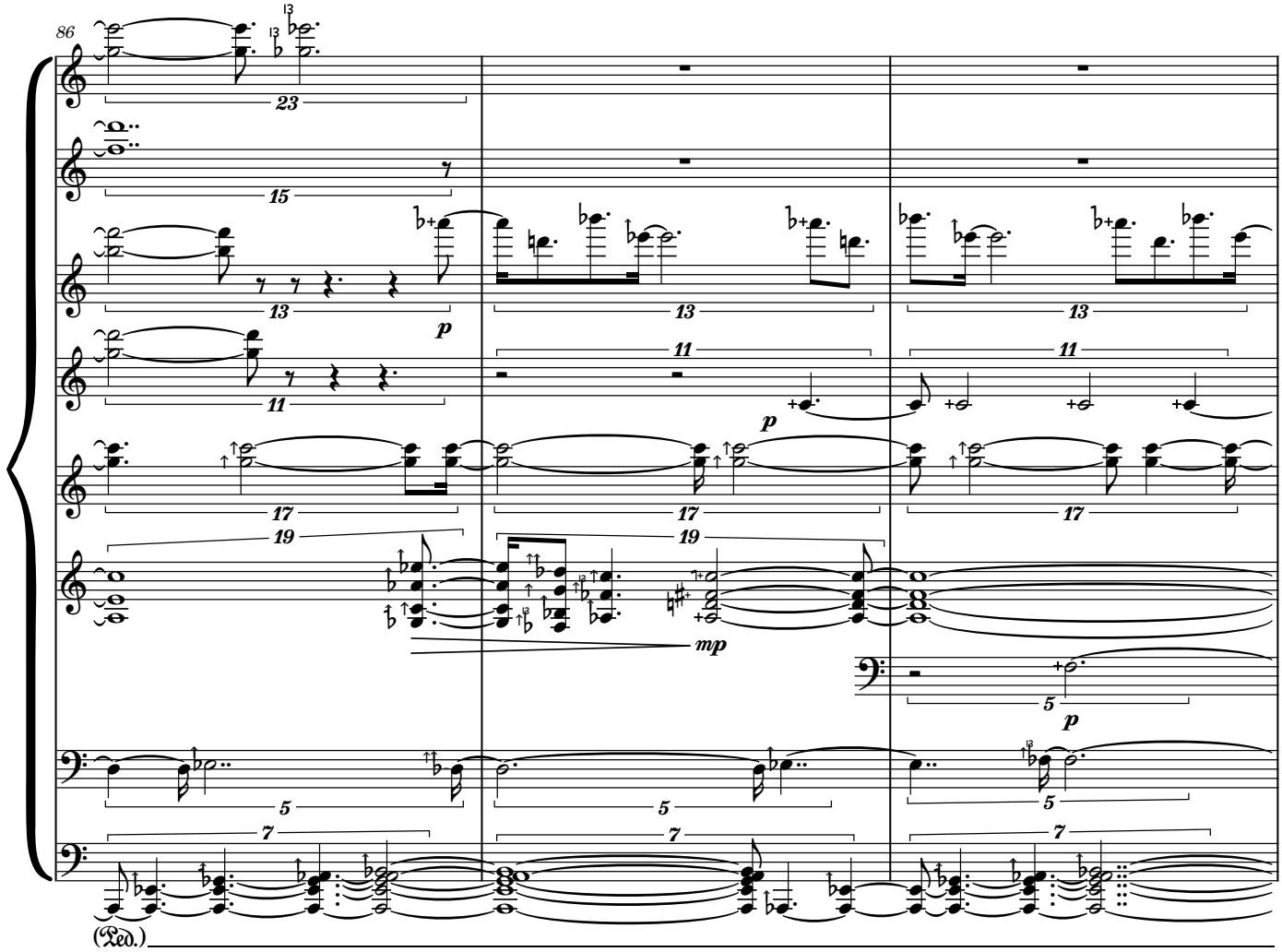

76
23
15
13
11
17
19
3
f
5
7
(Ped.)

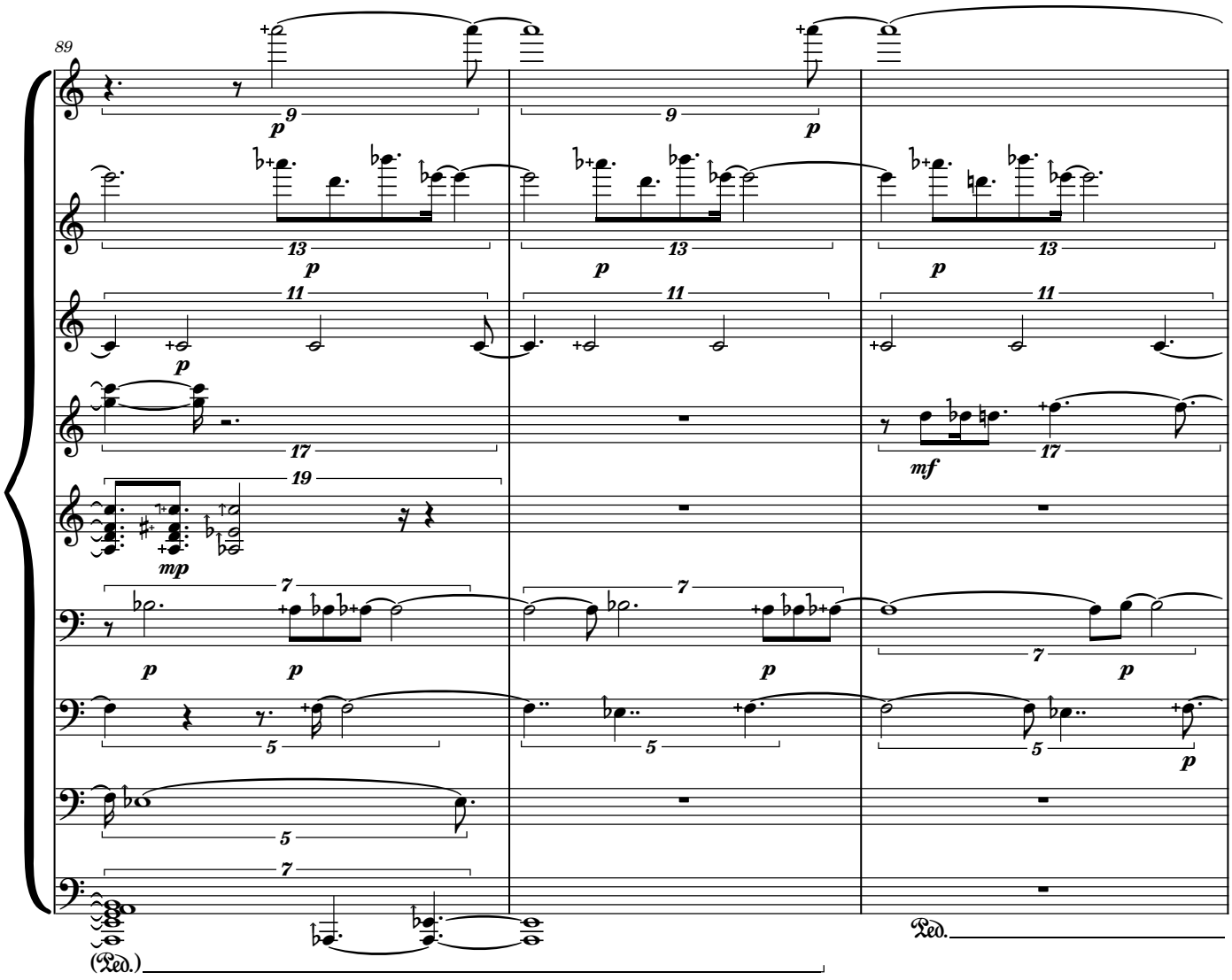

78
23
p
13
p
11
p
17
p
19
mf
5
7
p
3
(Ped.)
p

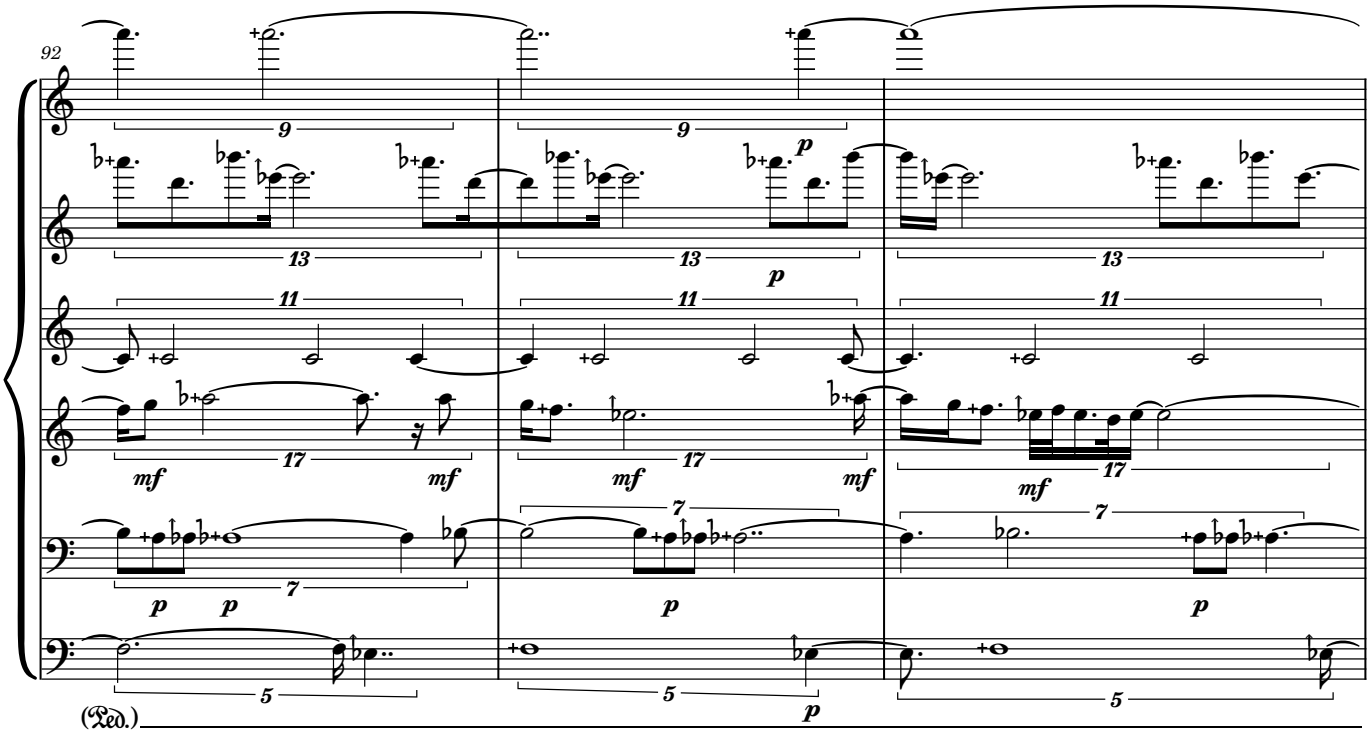

80
23
p
15
p
13
p
11
p
17
p
19
3
mf
5
7
p
(Ped.)

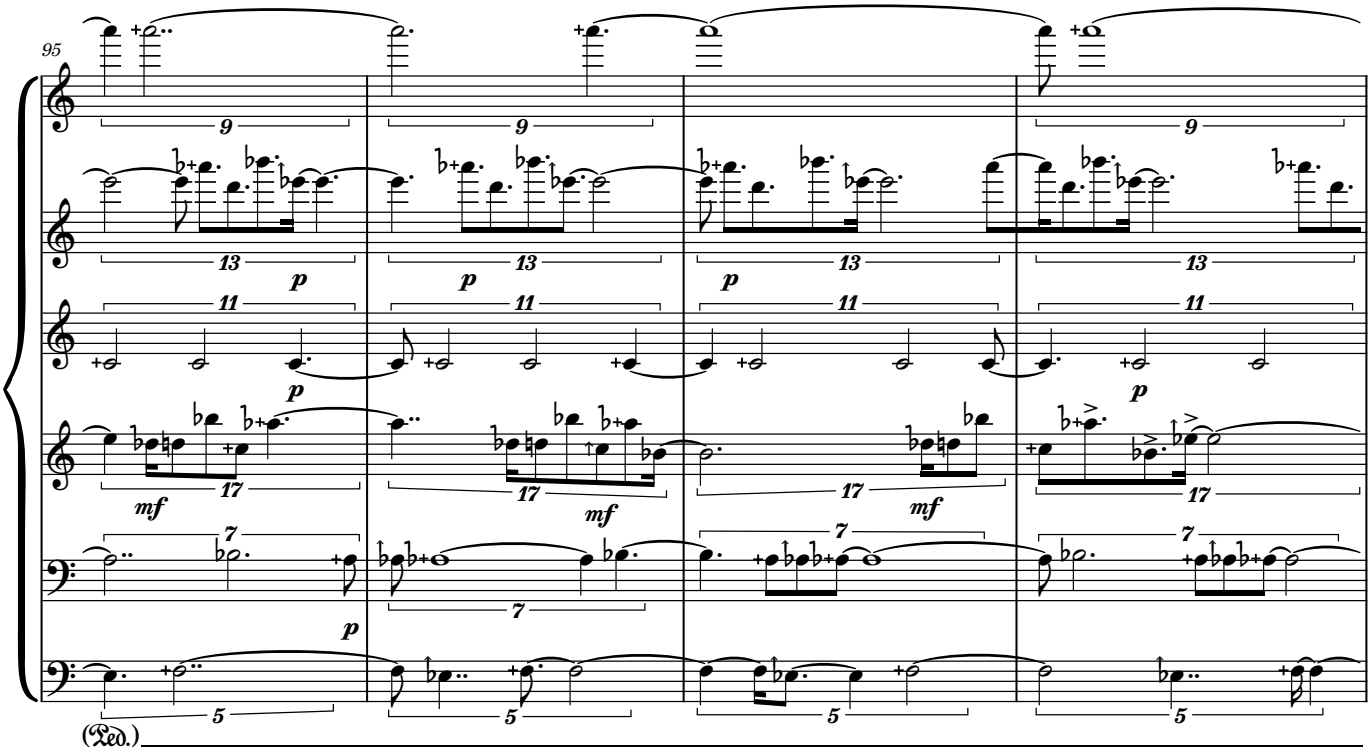

82
23
15
13
11
17
19
5
7
(Ped.)

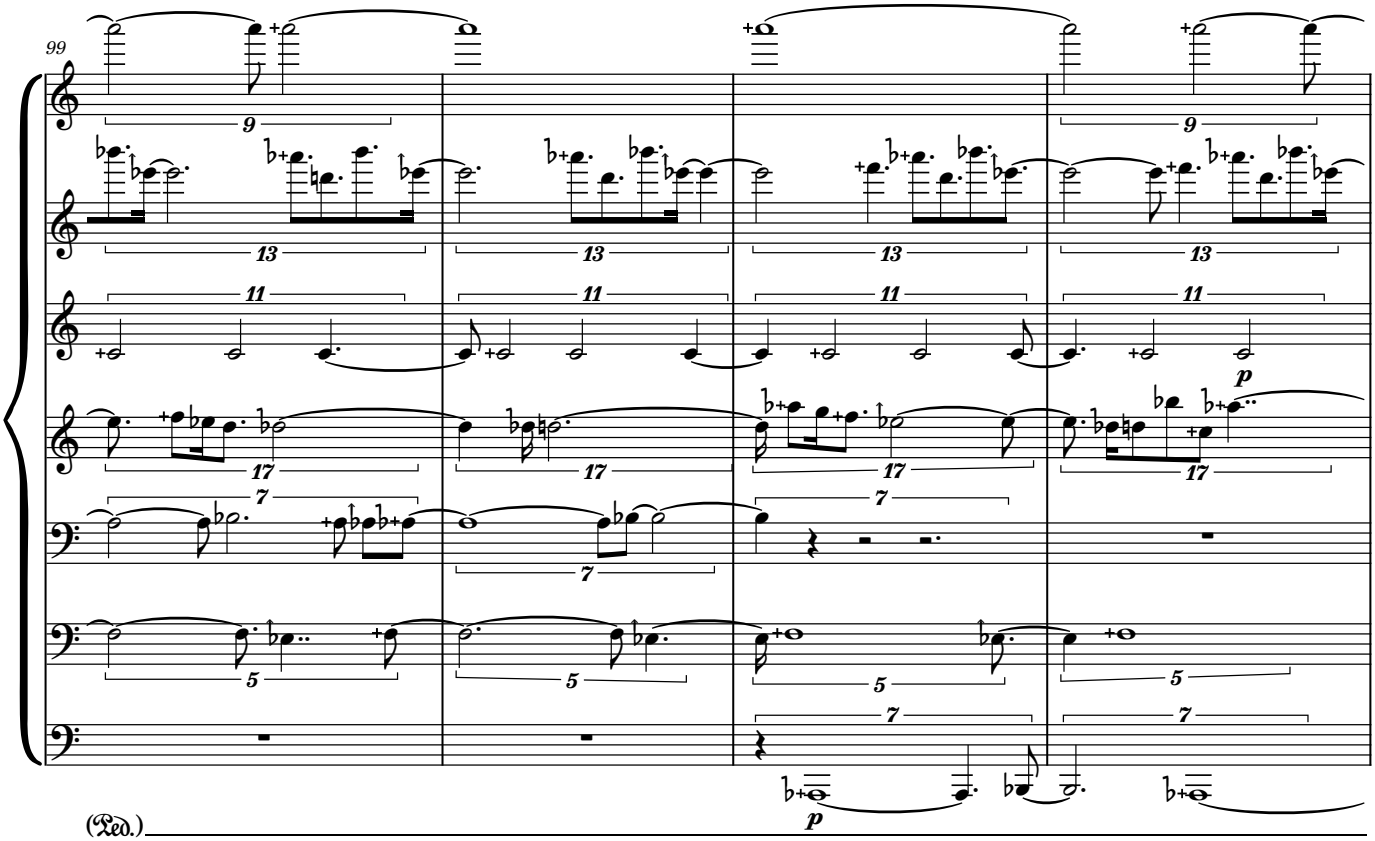

84
23
15
13
11
17
19
5
7
(Ped.)

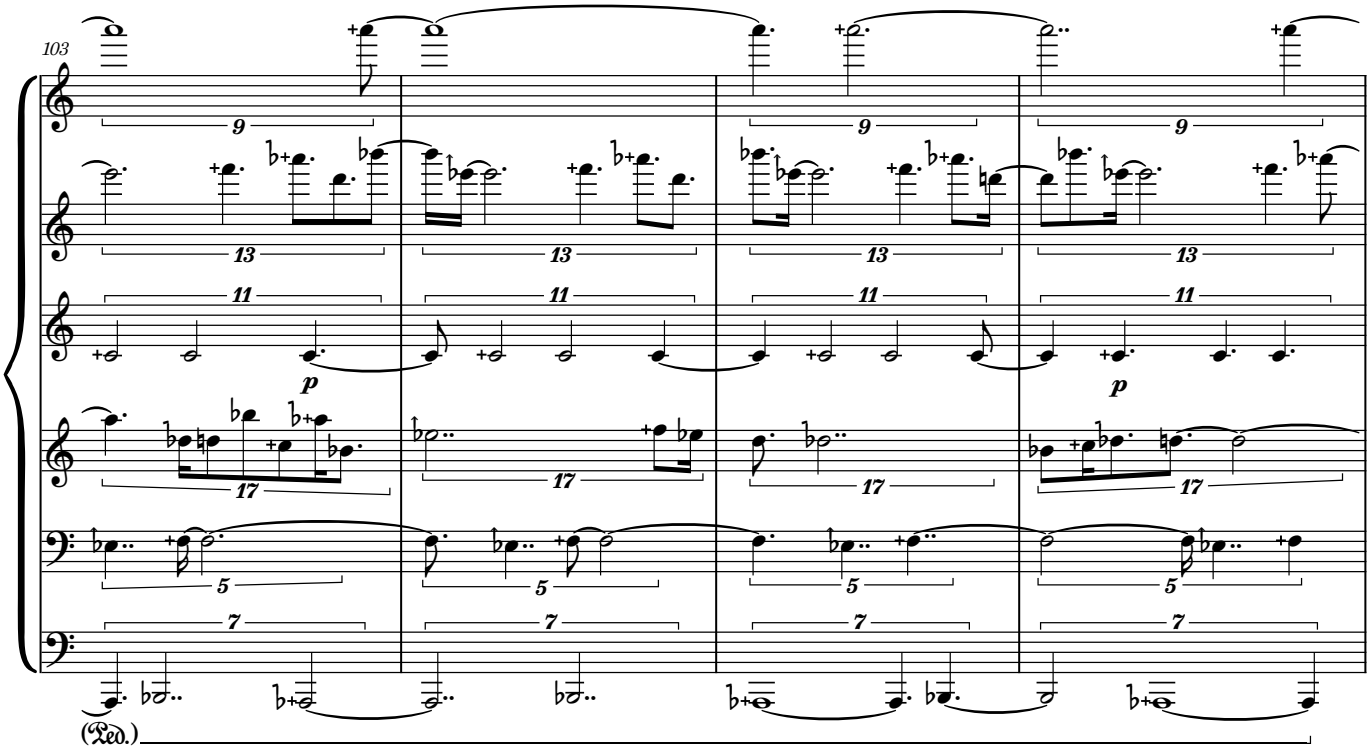

86
23
15
13
11
17
19
5
7
p
mp
(Ped.)

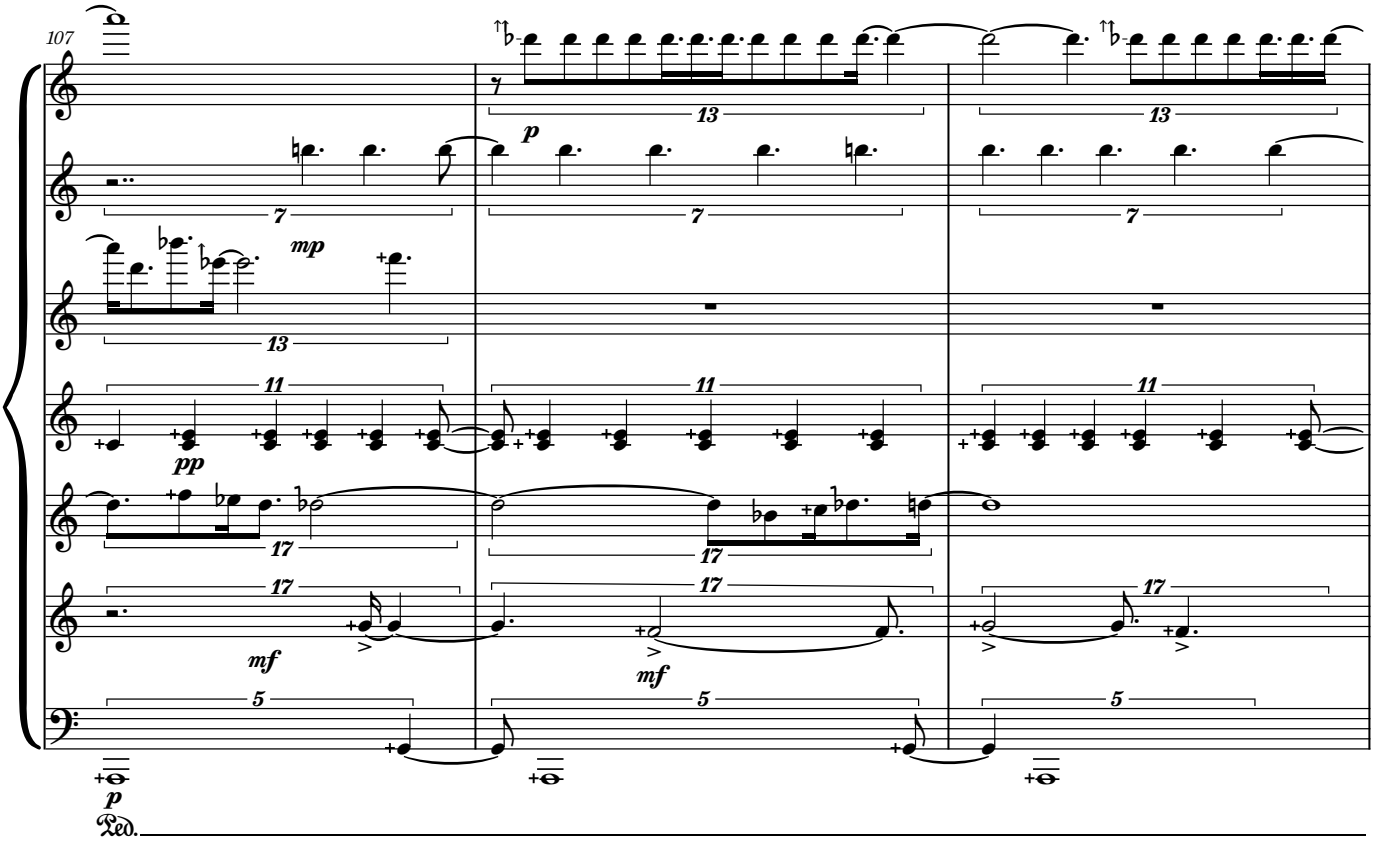

89
9
p
13
11
17
19
mp
mf
7
5
(Ped.)
Ped.
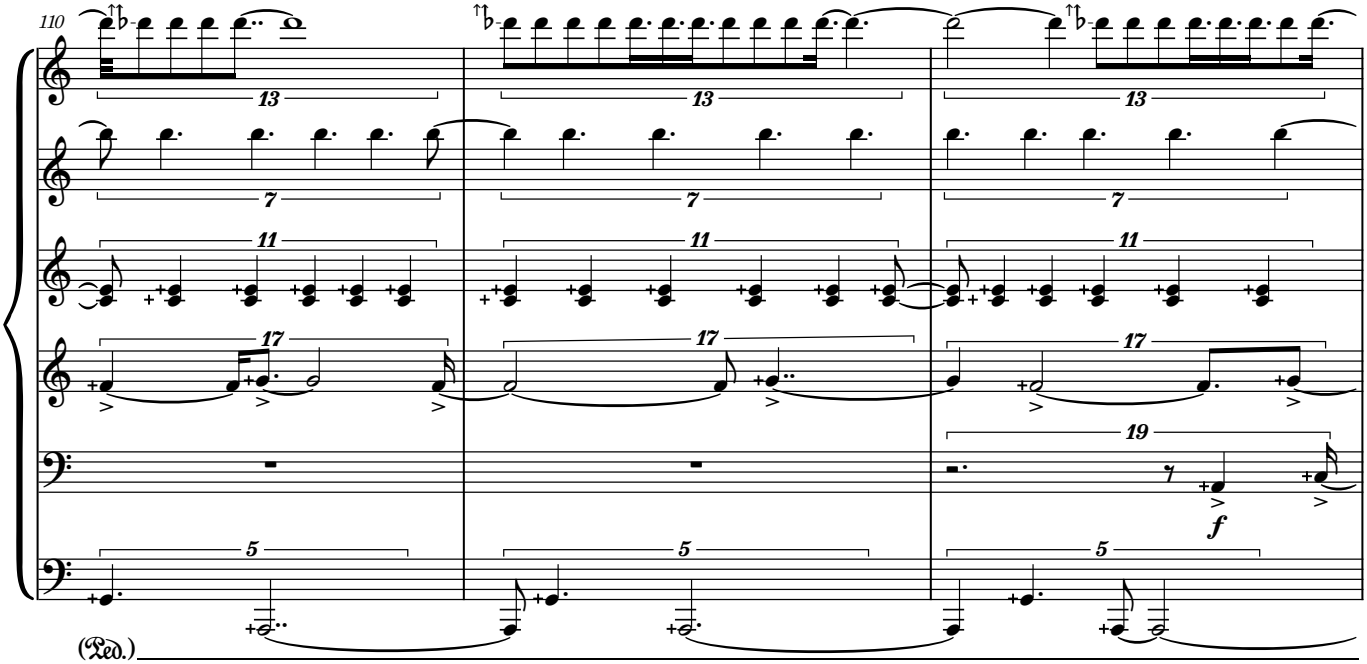

92
(Ped.)

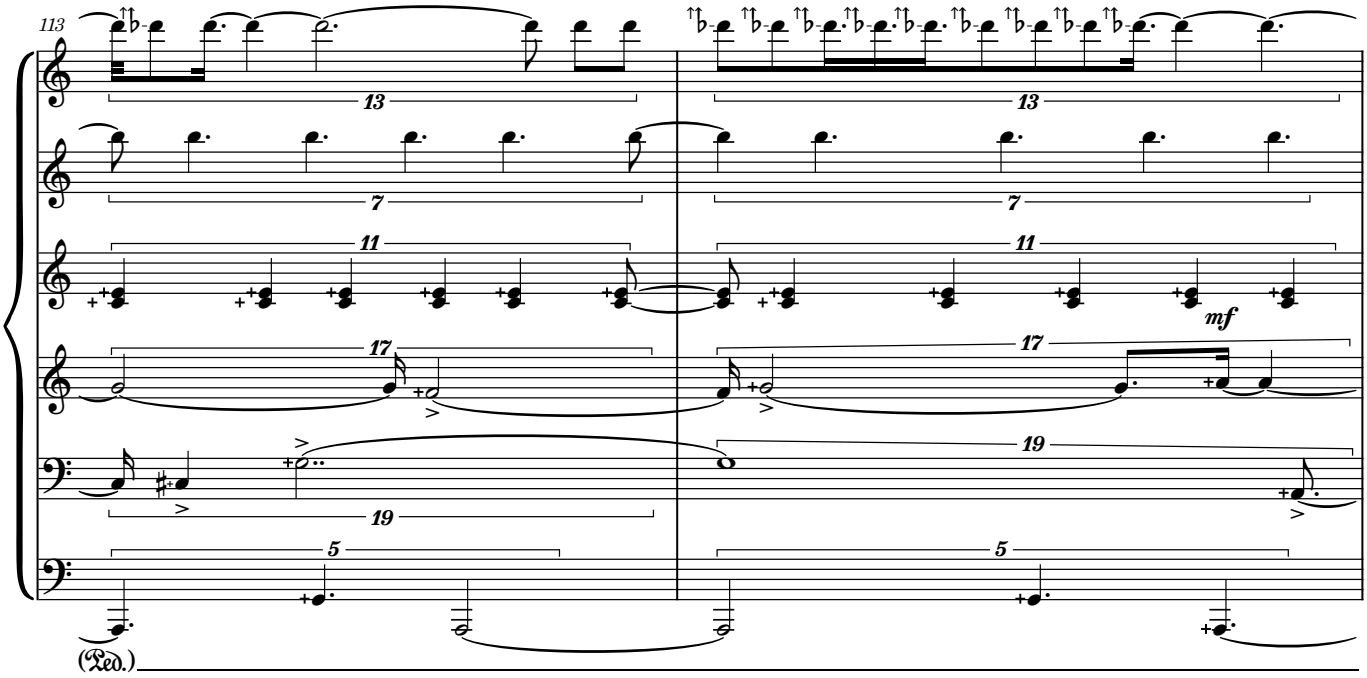

95
(Ped.)

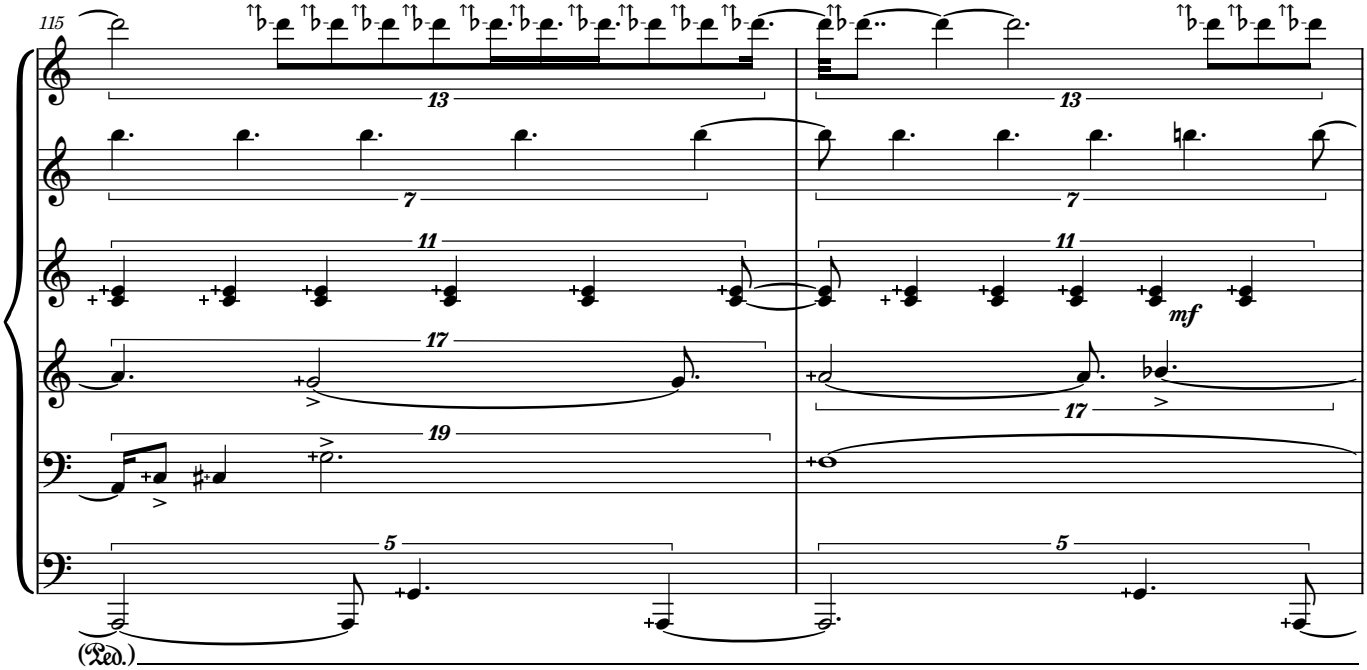

99
(Ped.)

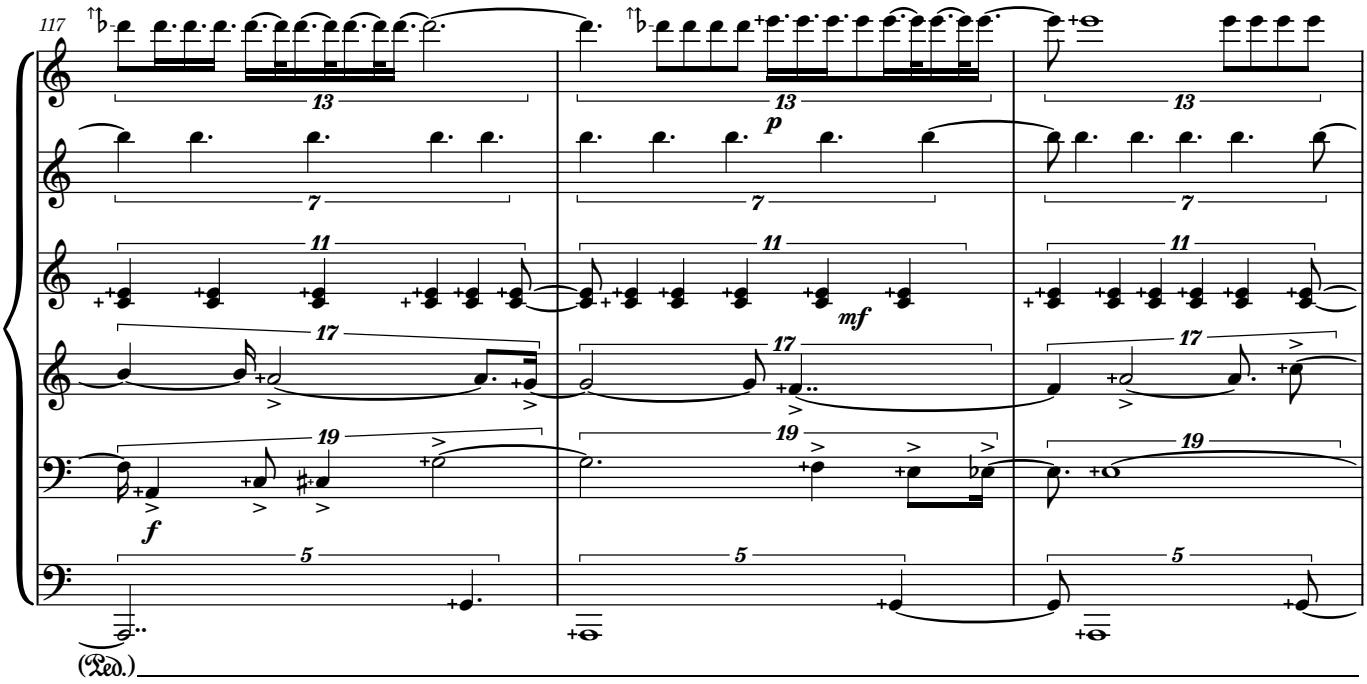

103
(Ped.)

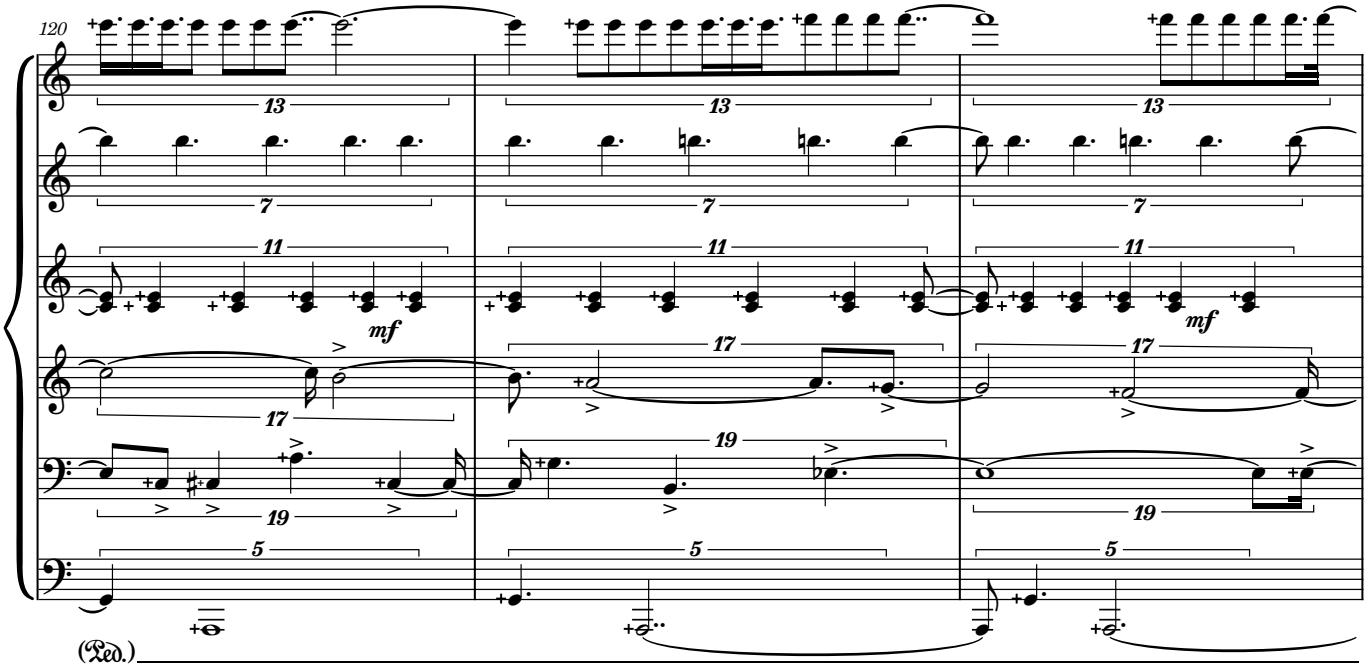

107
p
mp
pp
mf
mf
p
Ped.

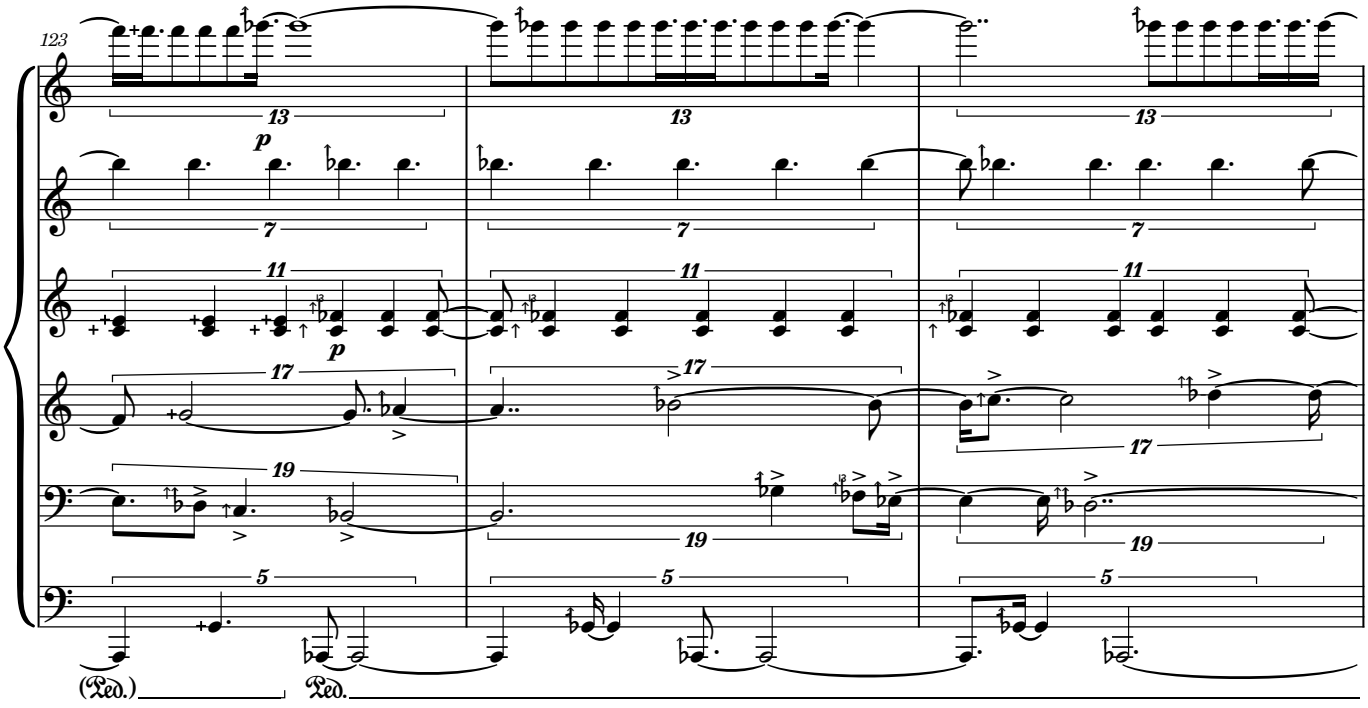

110
f
(Ped.)

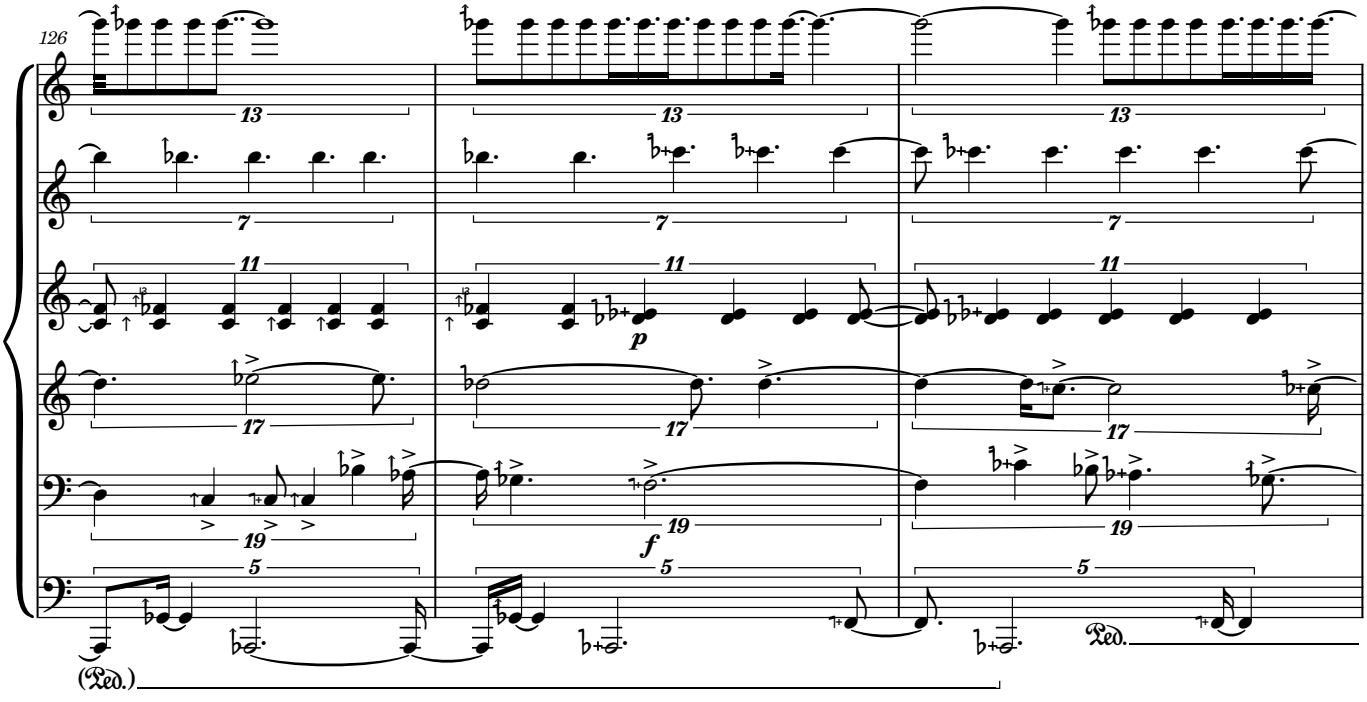

113
13
7
11
17
19
5
mf
(Ped.)
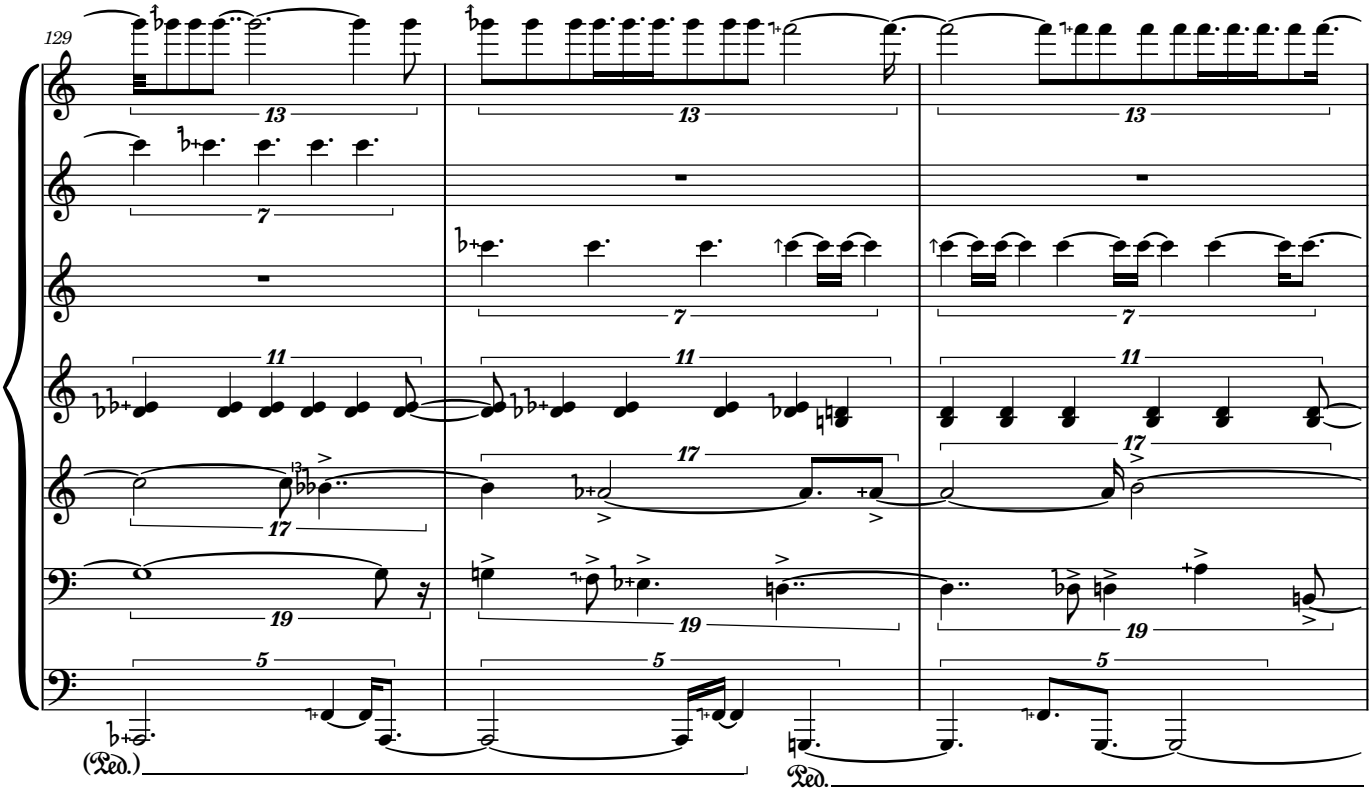

115
13
7
11
17
19
5
mf
(Ped.)
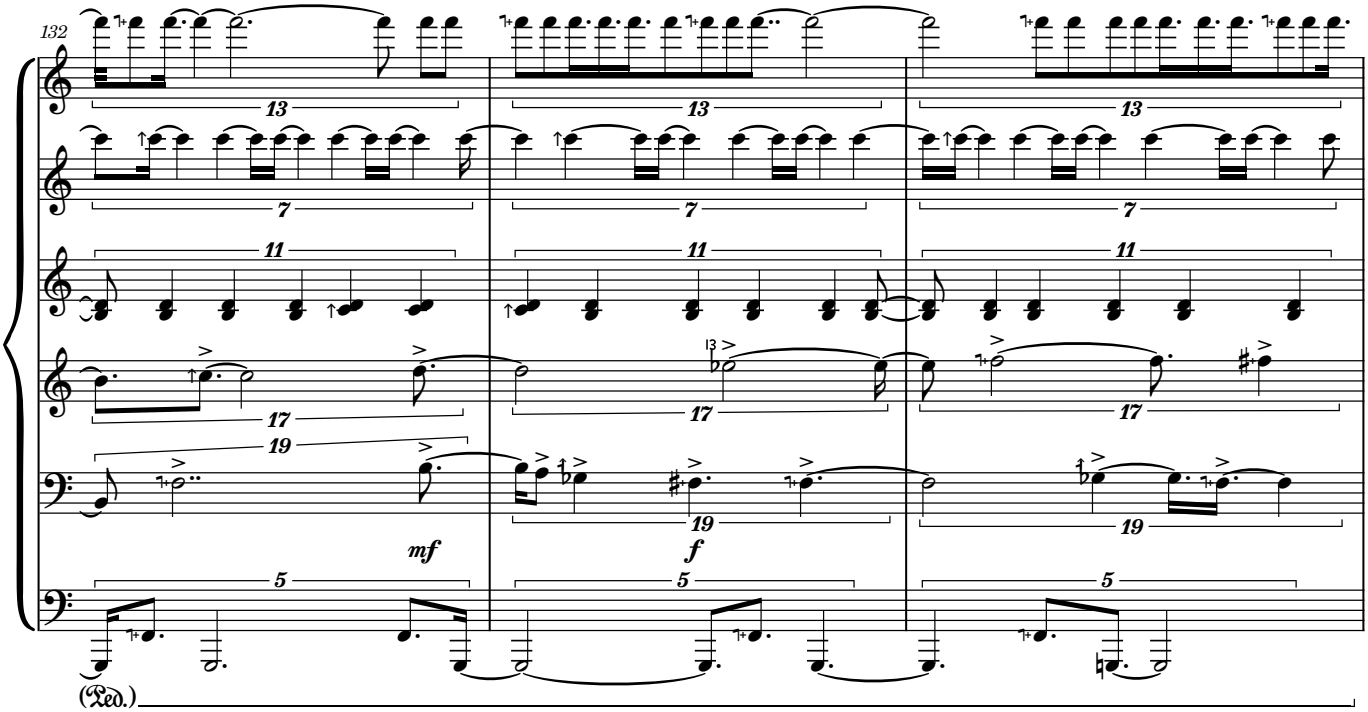

117
13
7
11
17
19
5
p
mf
f
(Ped.)

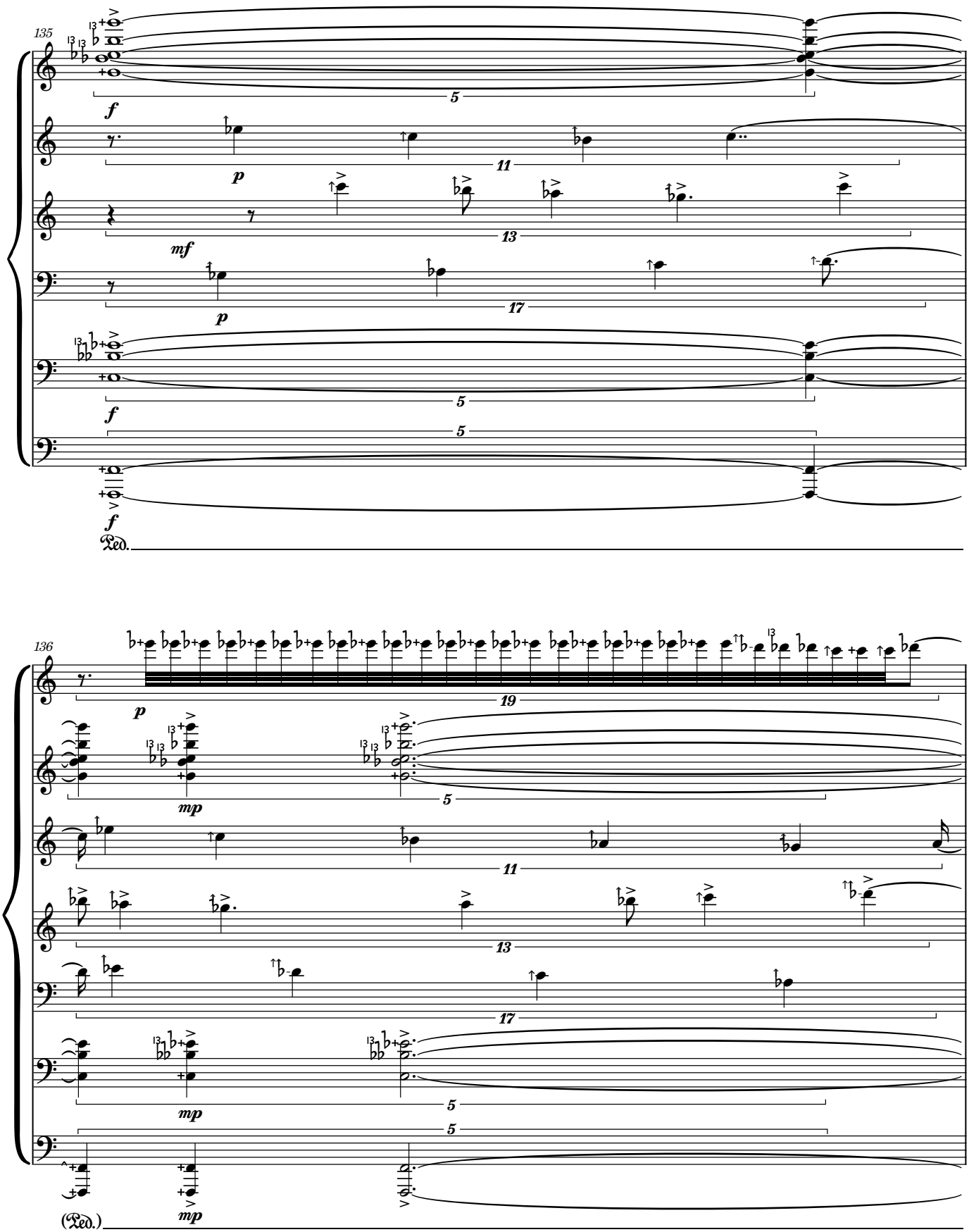

120
13
7
11
17
19
5
mf
(Ped.)
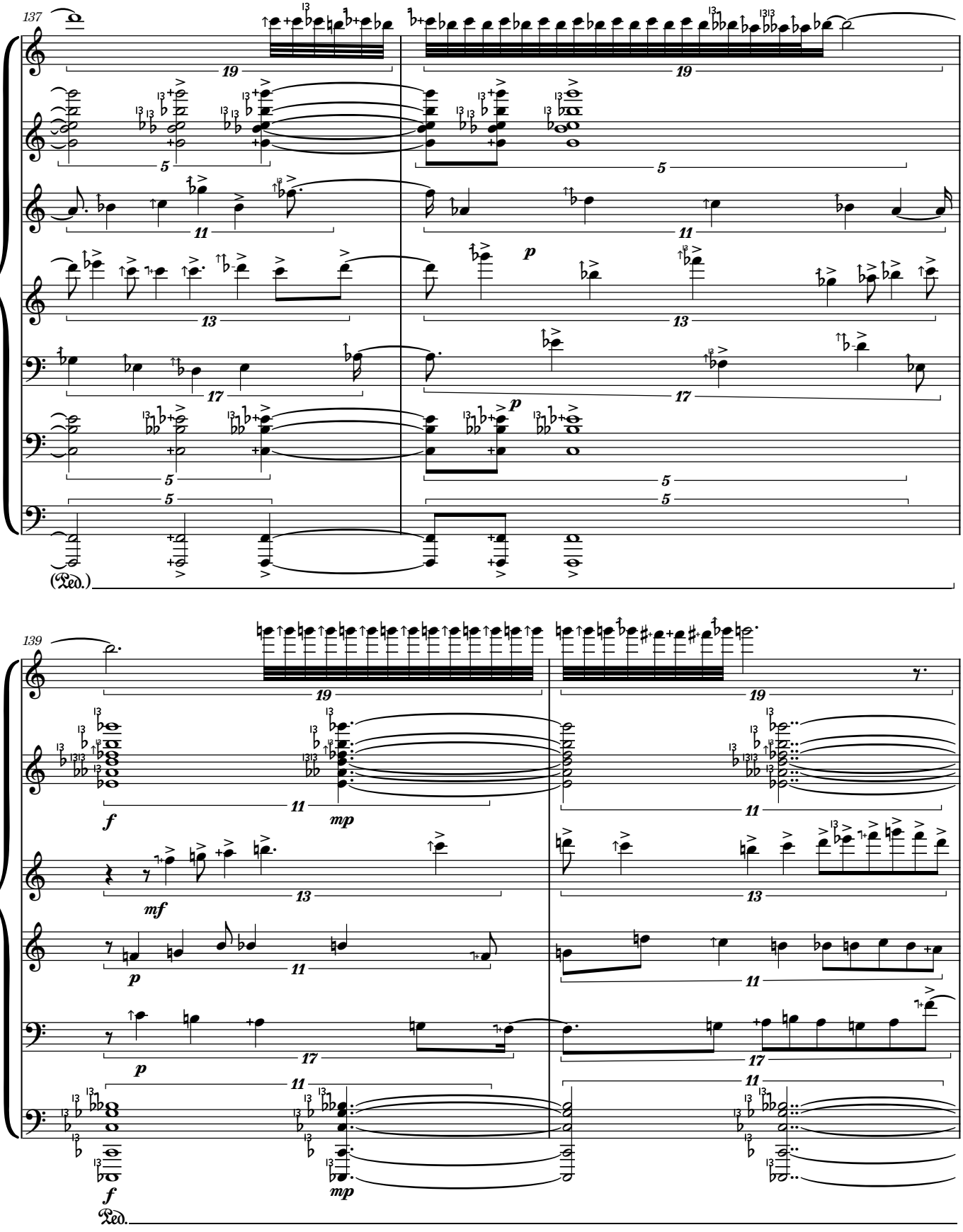

123
13
p
7
11
p
17
19
5
(Ped.)
Ped.
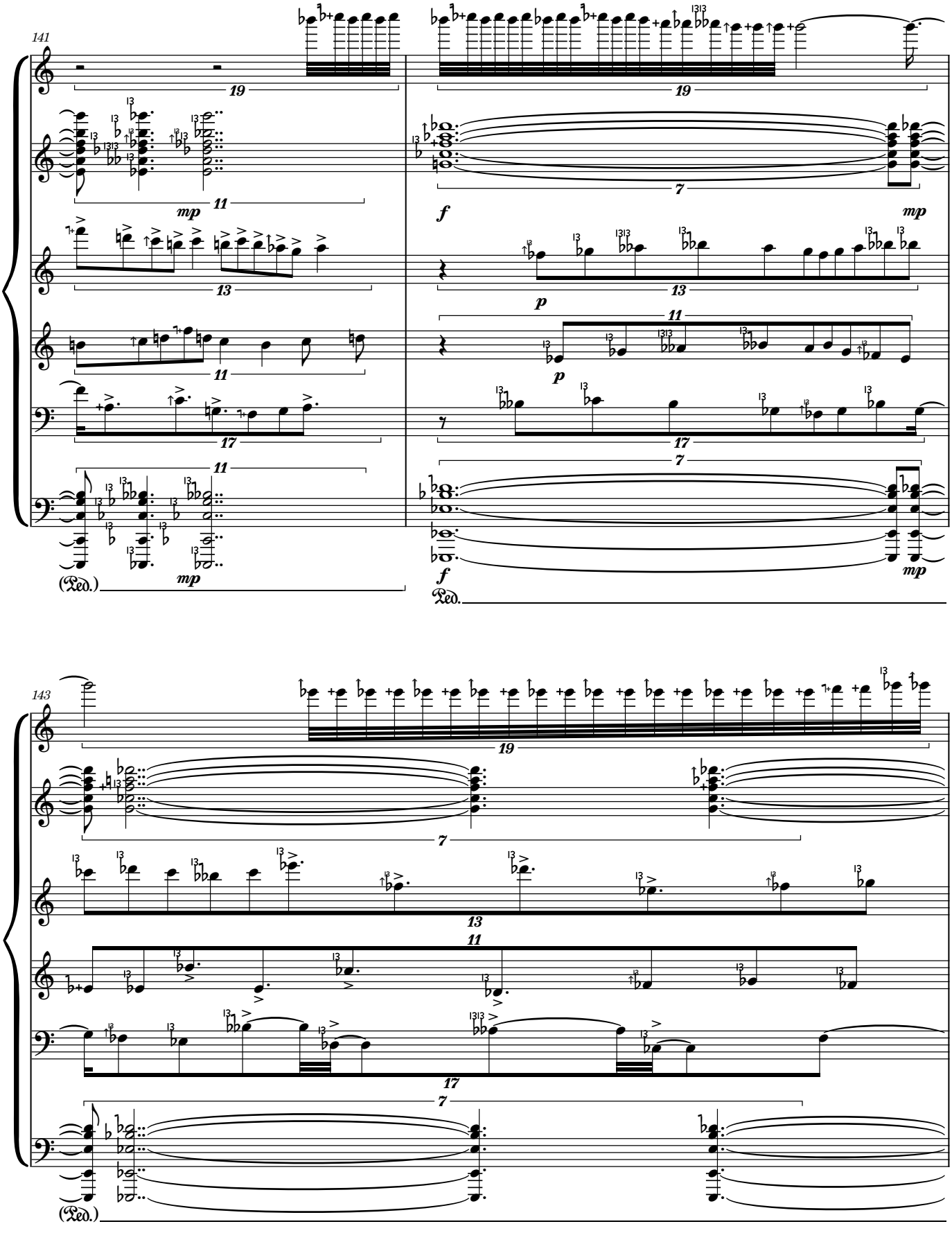

126
13
7
11
p
17
19
f
5
(Ped.)
Ped.
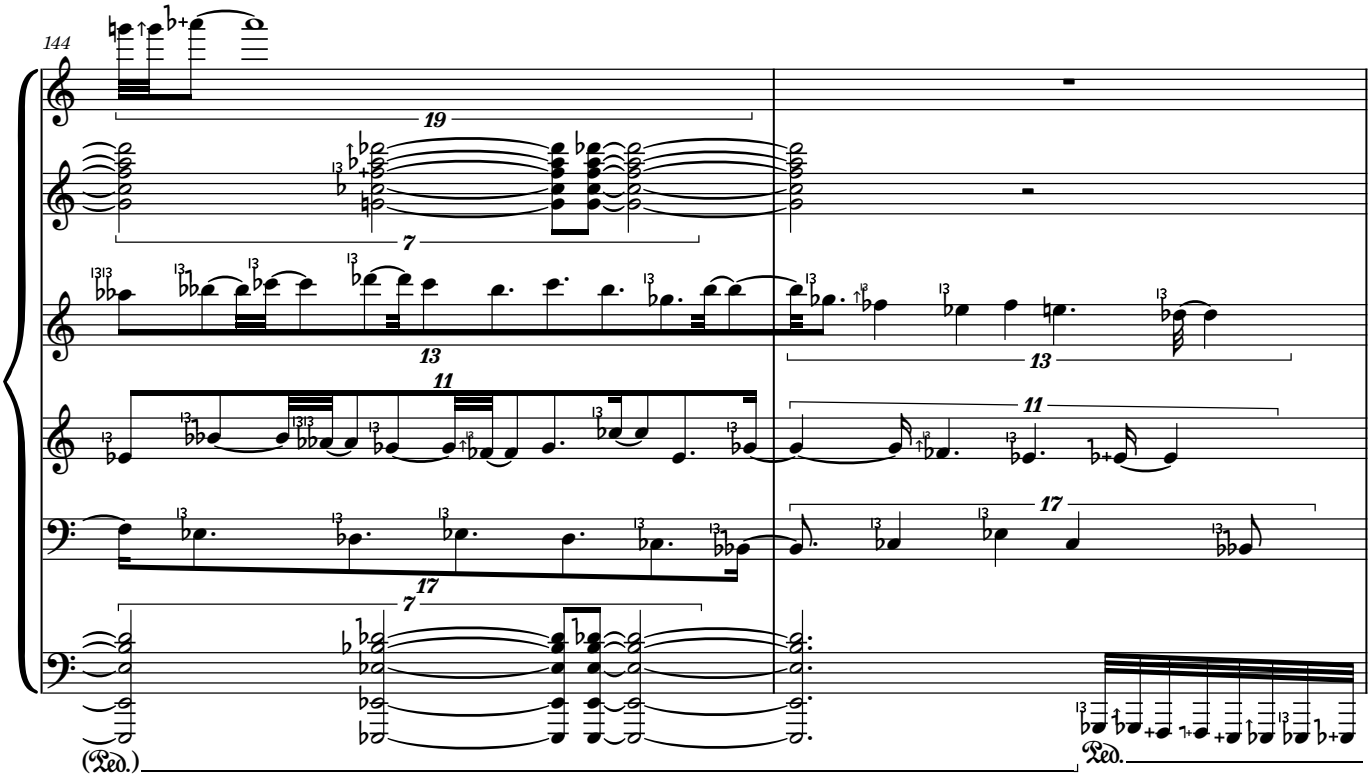

129
13
7
11
17
19
5
(Ped.)
Ped.
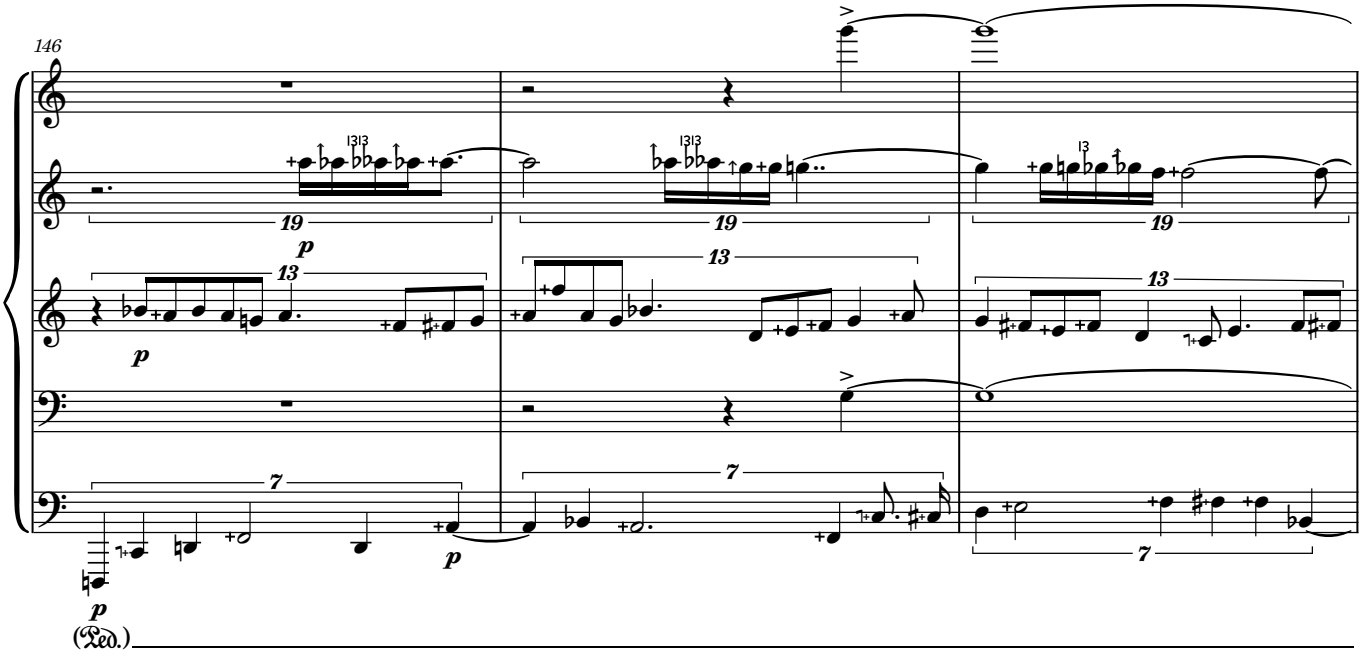

132
13
7
11
17
19
5
mf
f
(Ped.)
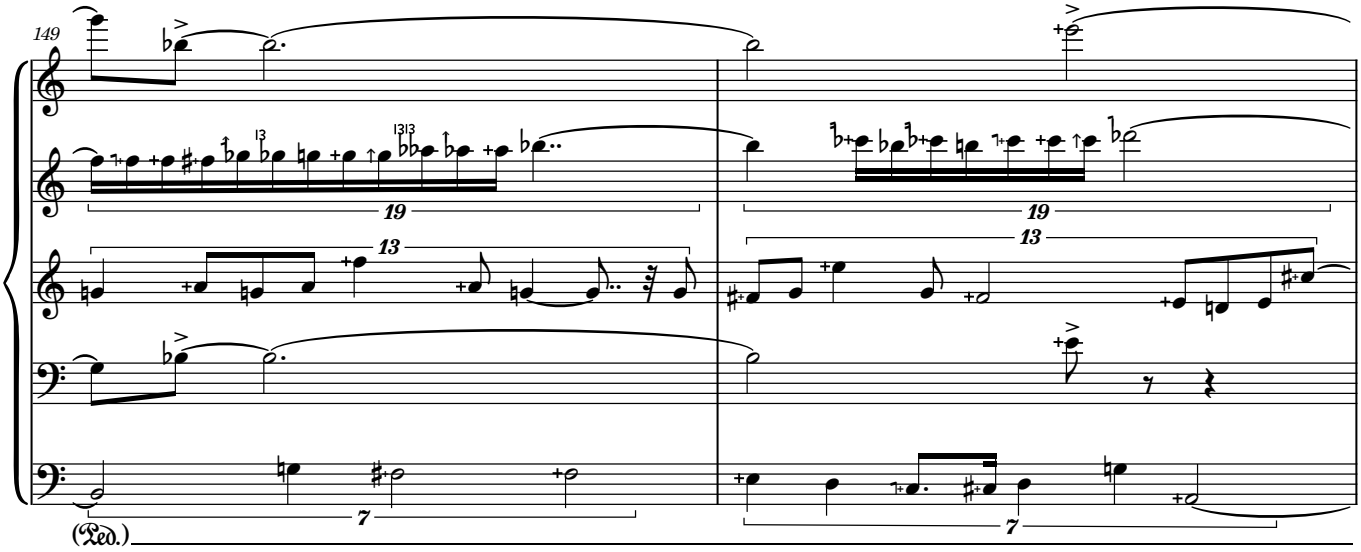

135
f
p
mf
p
f
f
Ped.
136
p
mp
mp
mp
(Ped.)
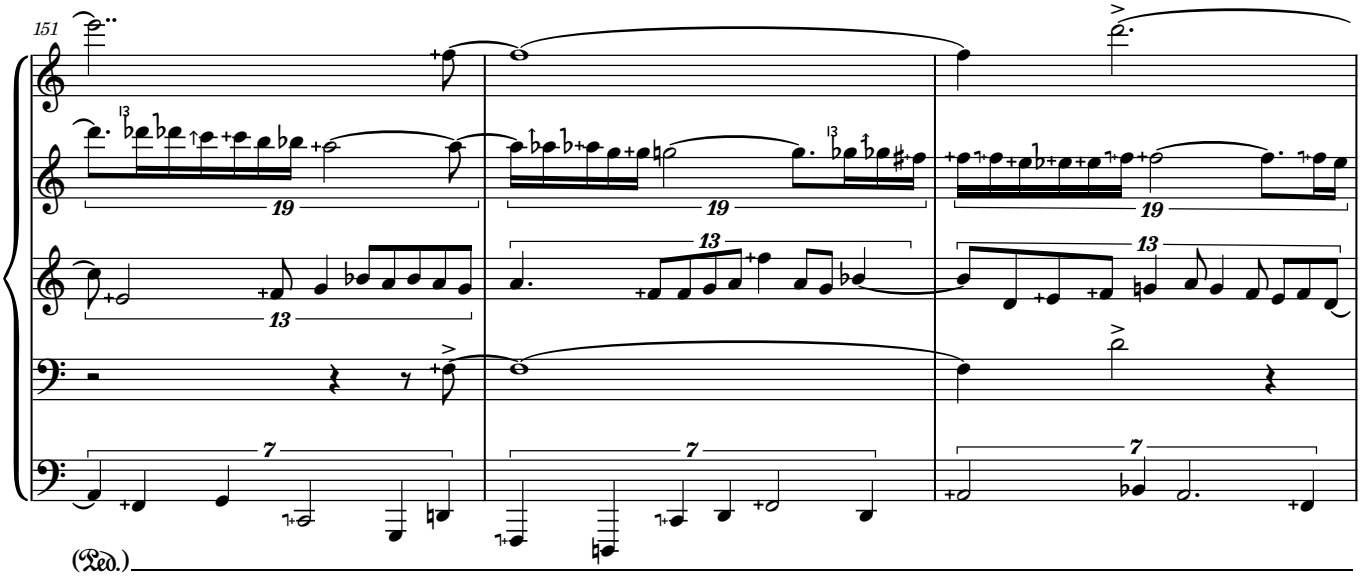

137
19
5
11
13
17
p
(Ped.)
139
f
mf
mp
Ped.

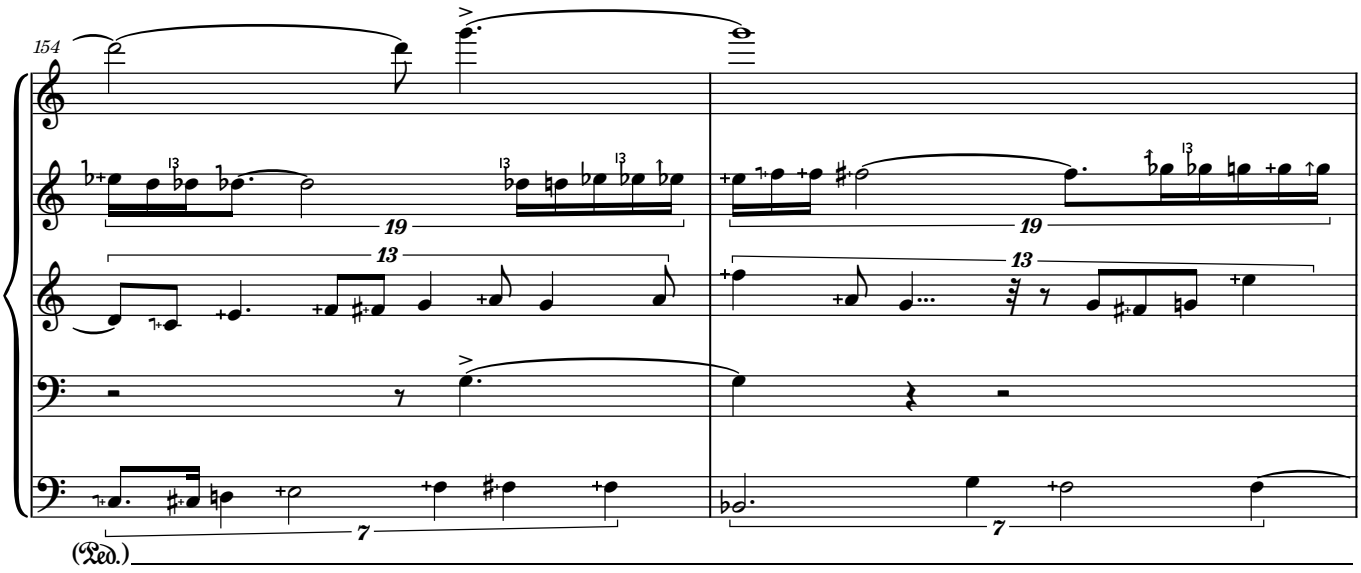

141
19
19
11
mp
7
f
mp
13
p
11
p
11
17
7
11
f
mp
(Ped.)
mp
Ped.
143
19
7
13
11
17
7
(Ped.)

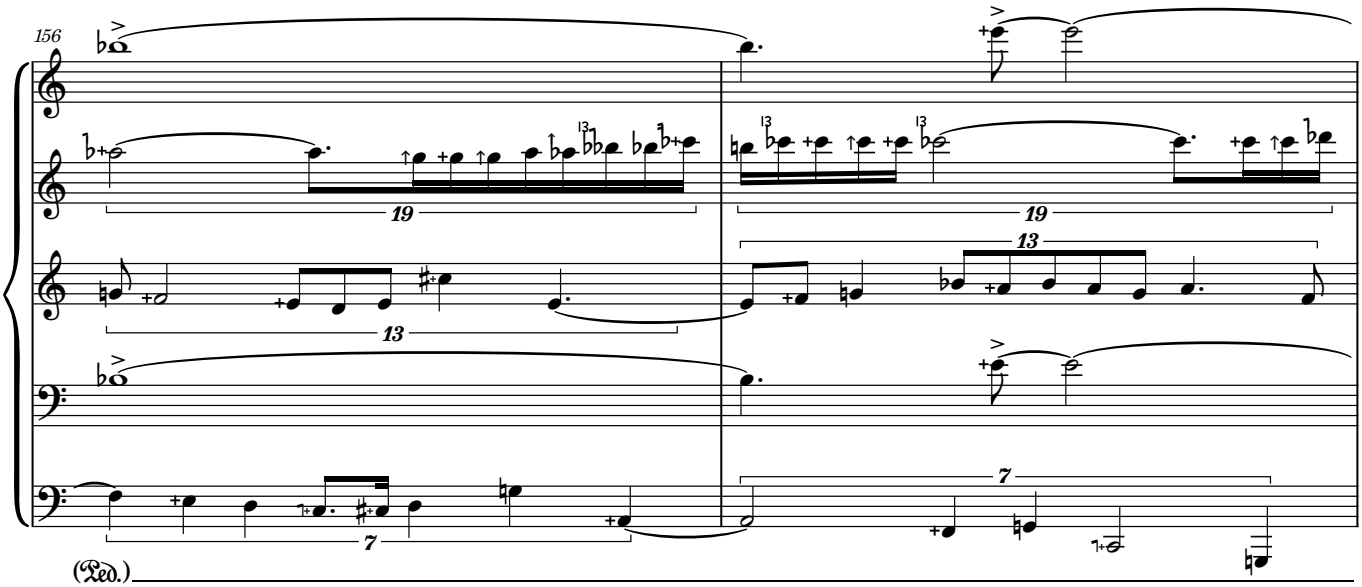

144
19
7
13
11
17
(Ped.)
Ped.

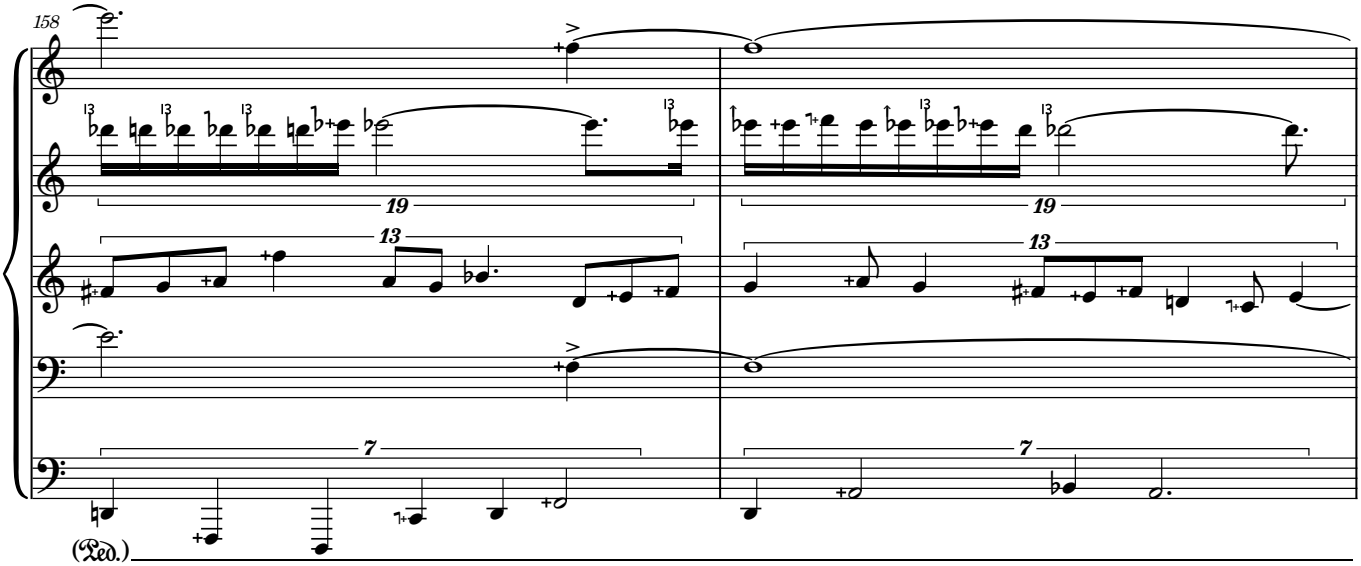

146
19
p
13
7
(Ped.)
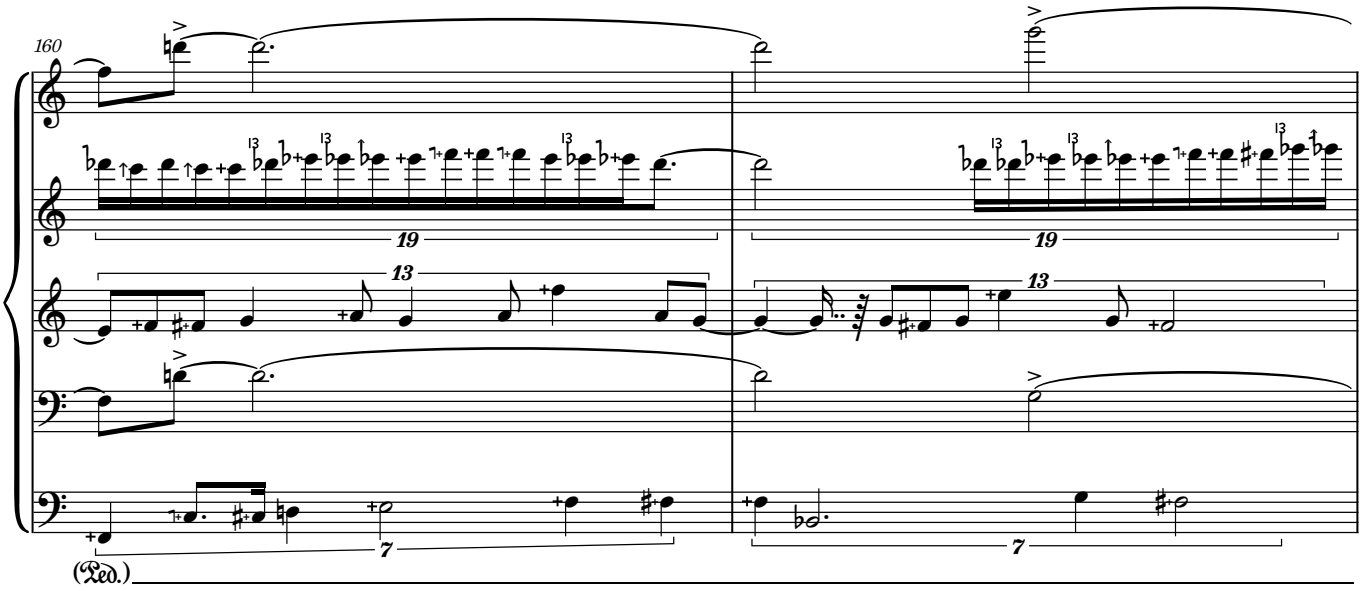

149
19
13
7
(Ped.)

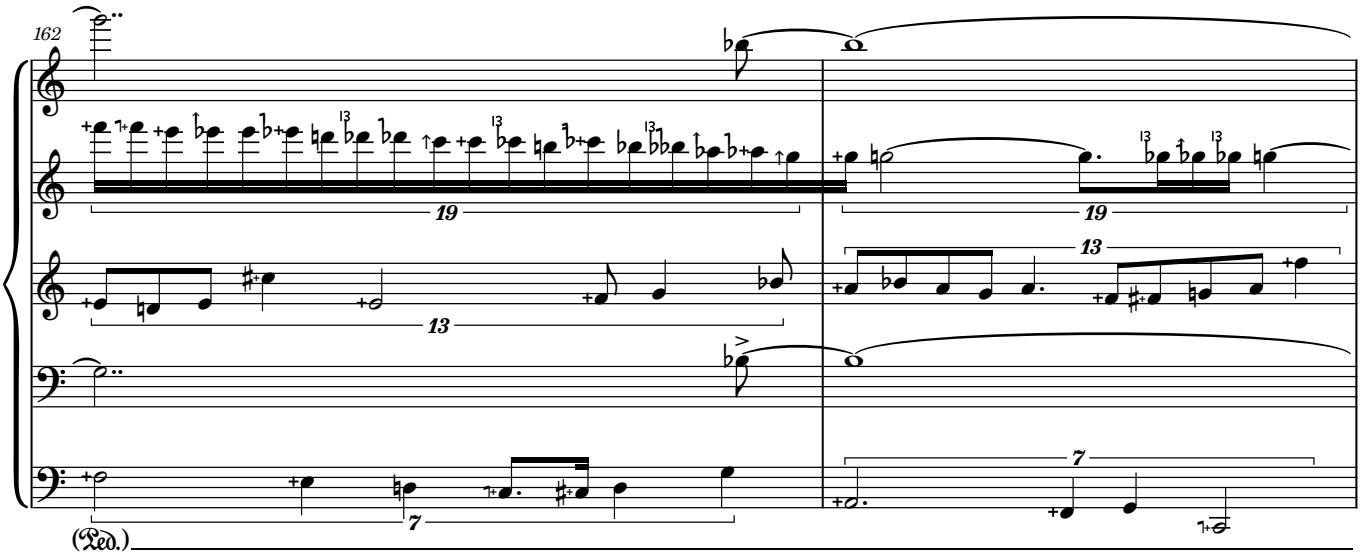

151
19
13
7
(Ped.)
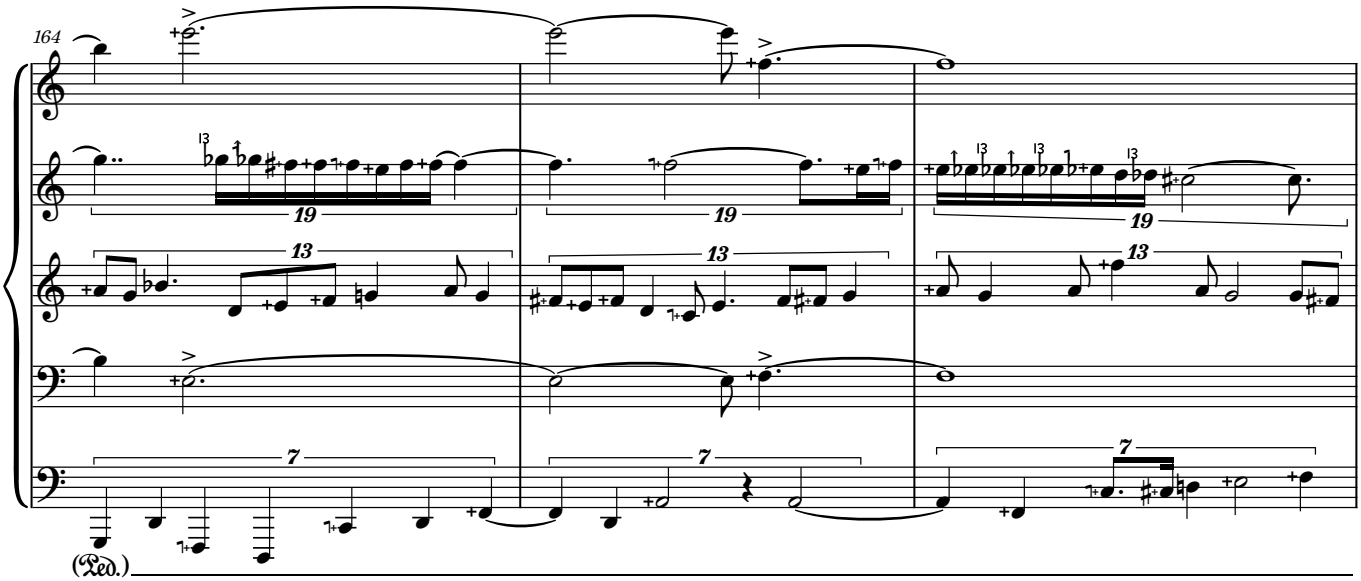

154
19
13
7
(Ped.)
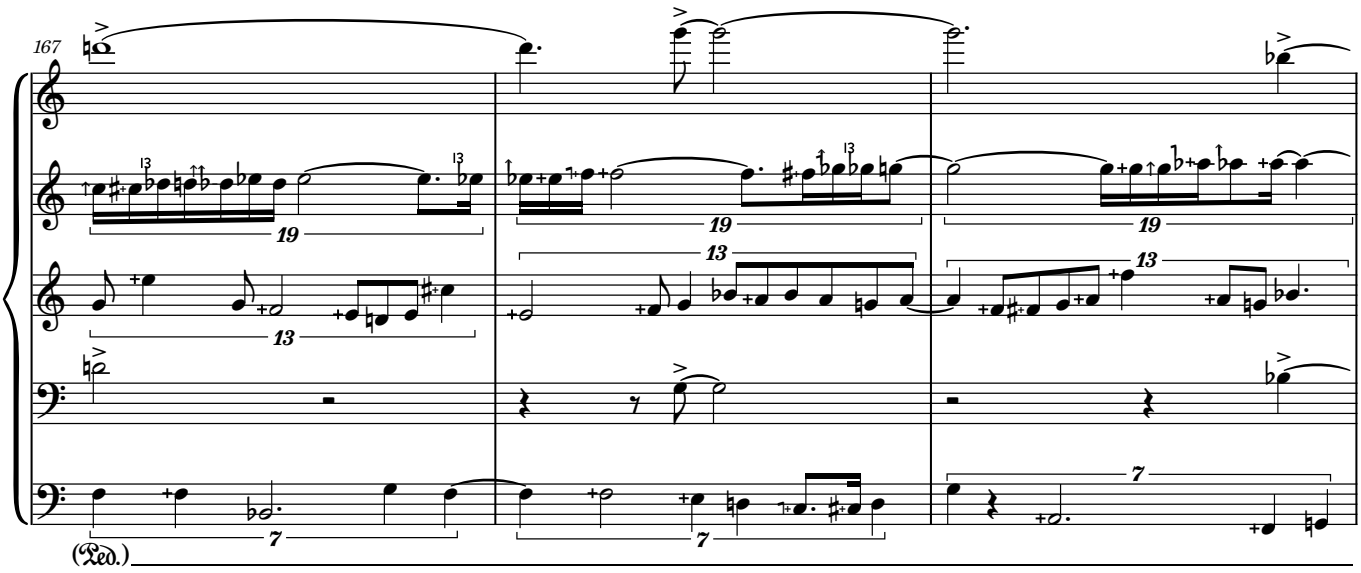

156
19
13
7
(Ped.)

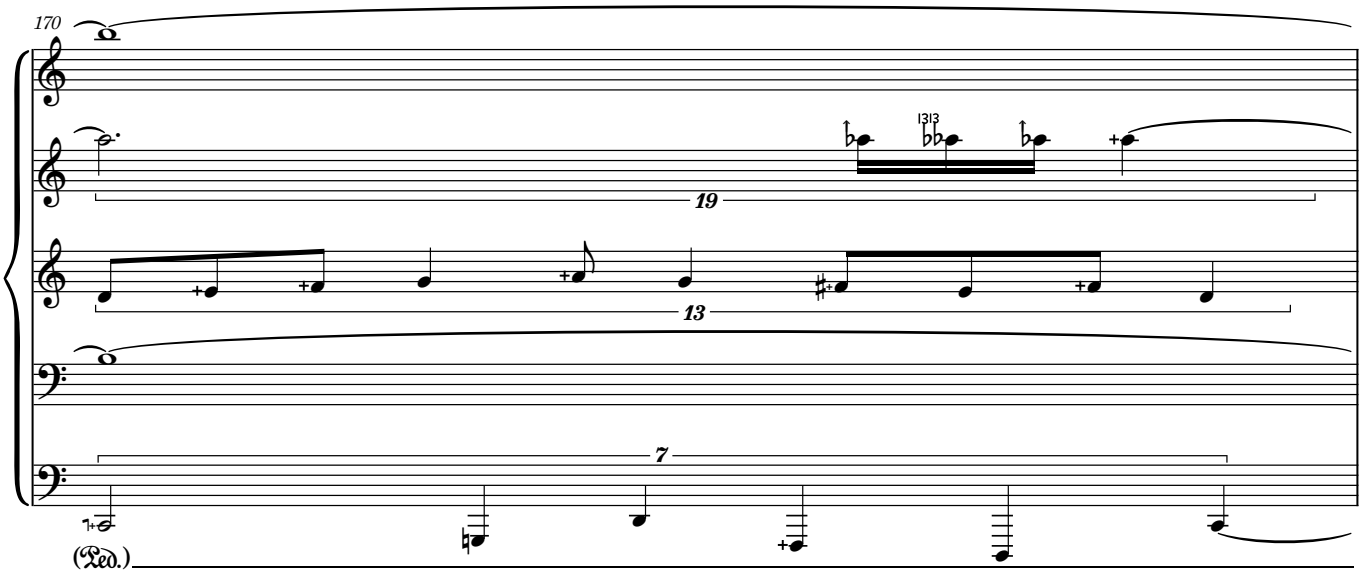

158
19
13
7
(Ped.)
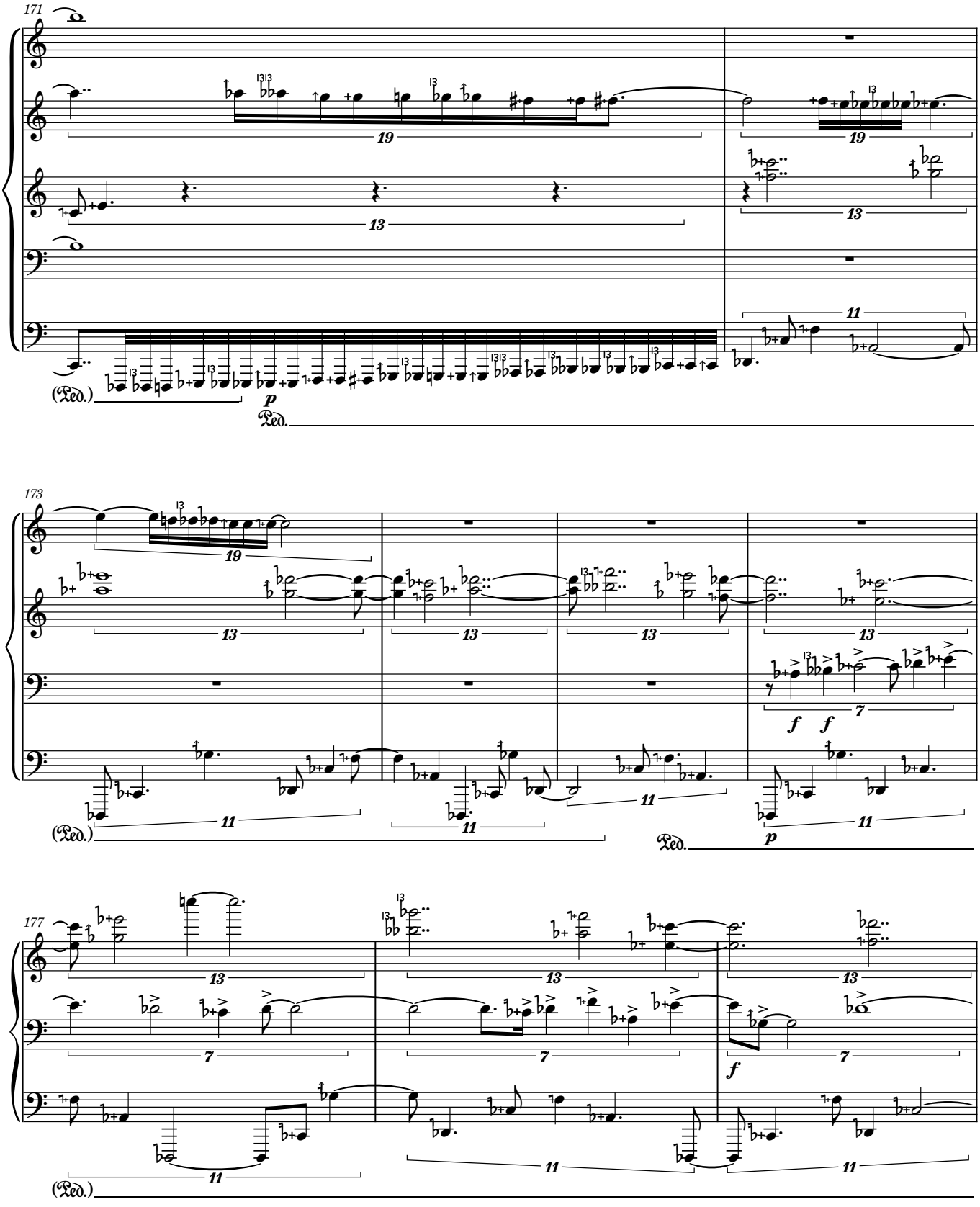

160
19
13
7
(Ped.)
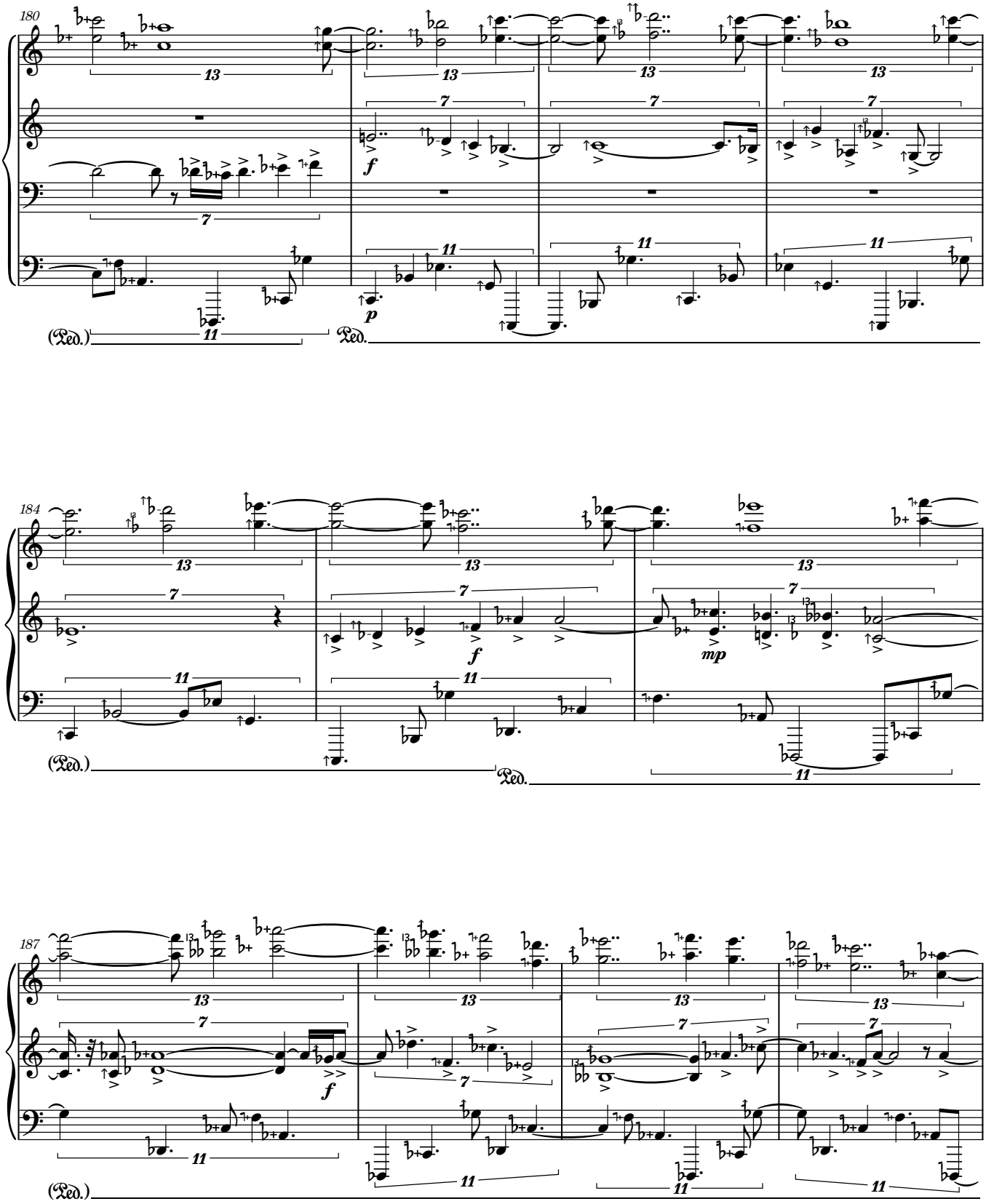

162
19
19
13
13
7
7
(Ped.)
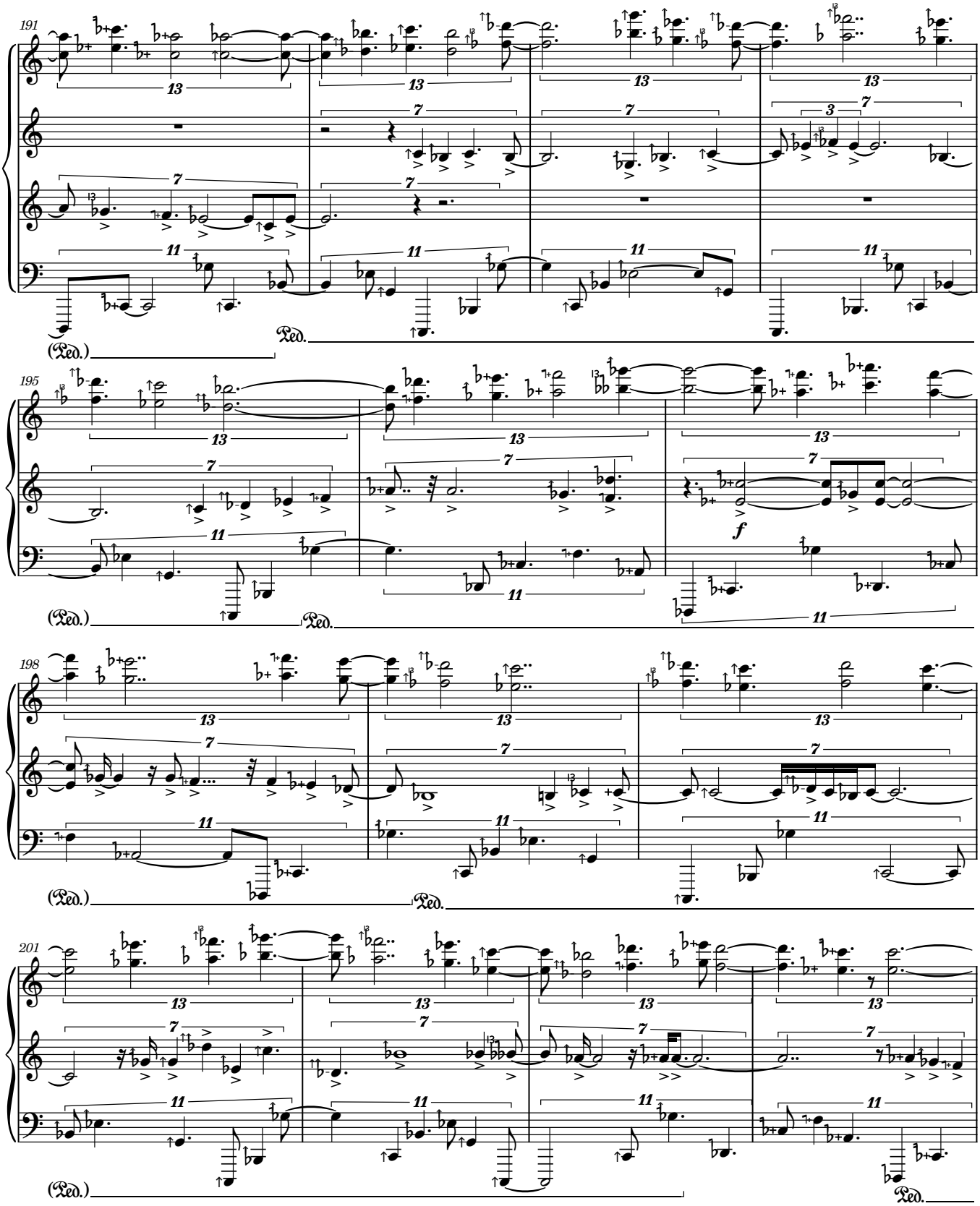

164
19
19
19
13
13
13
7
7
7
(Ped.)
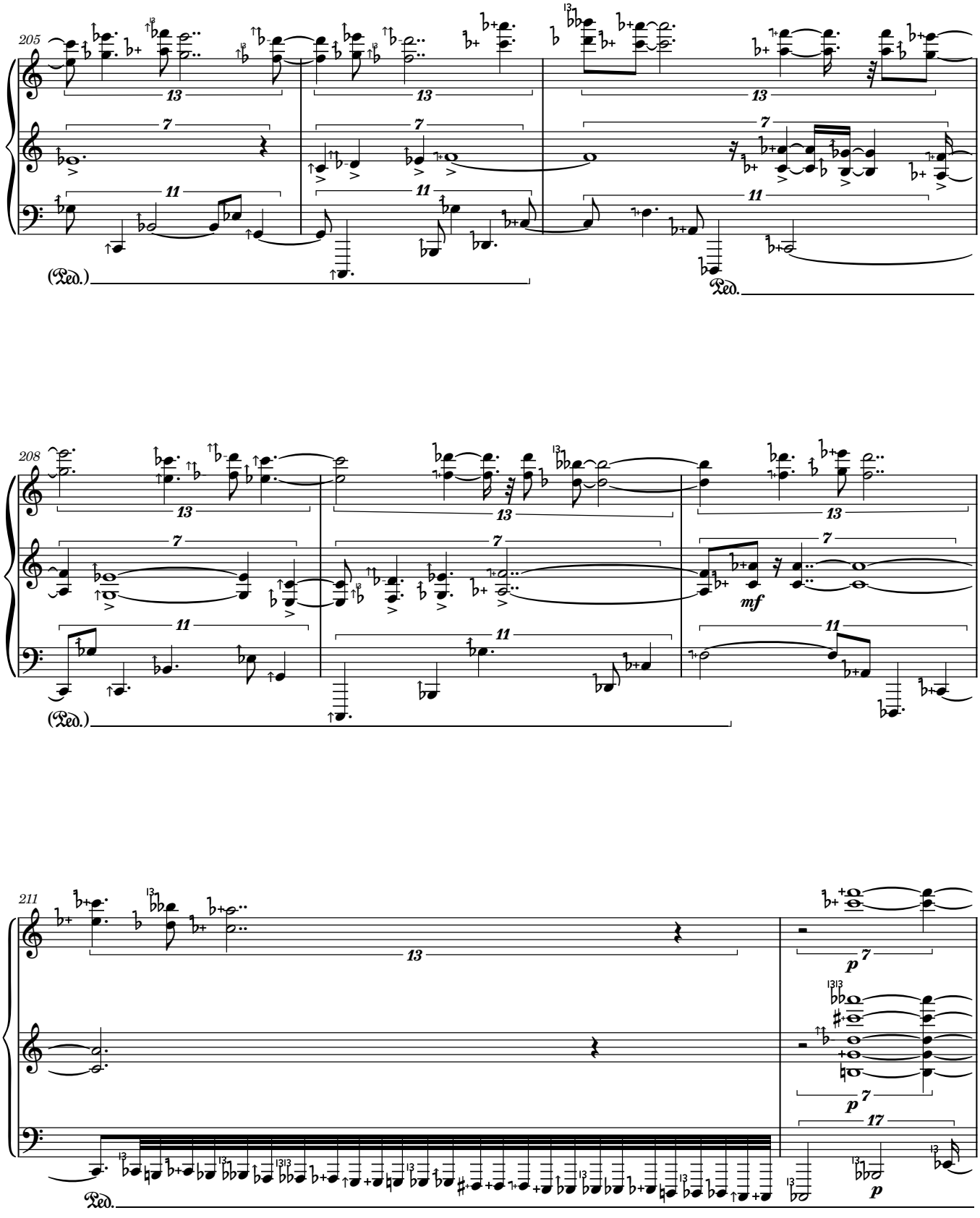

167
19
13
7
(Ped.)

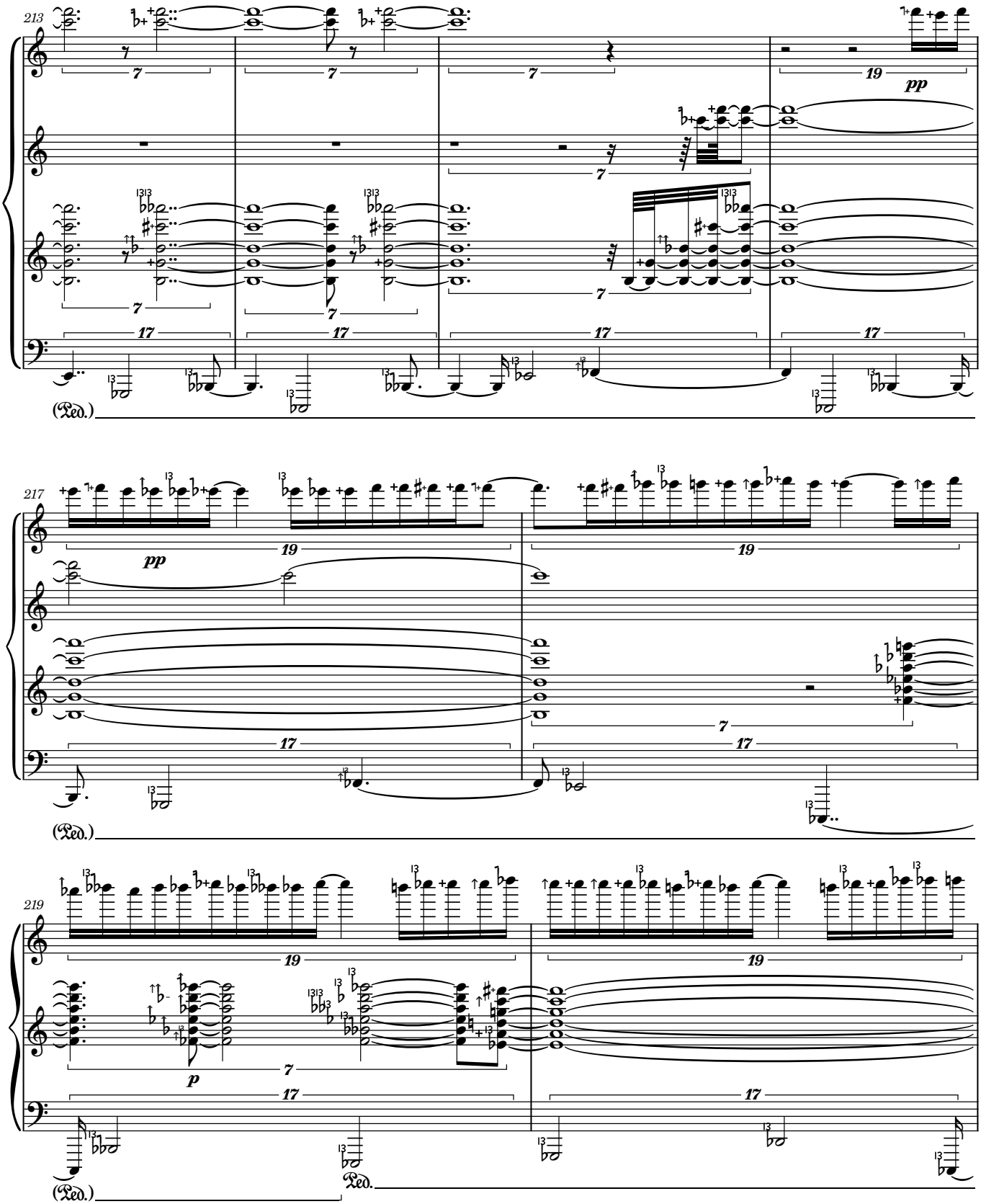

170
19
13
7
(Ped.)

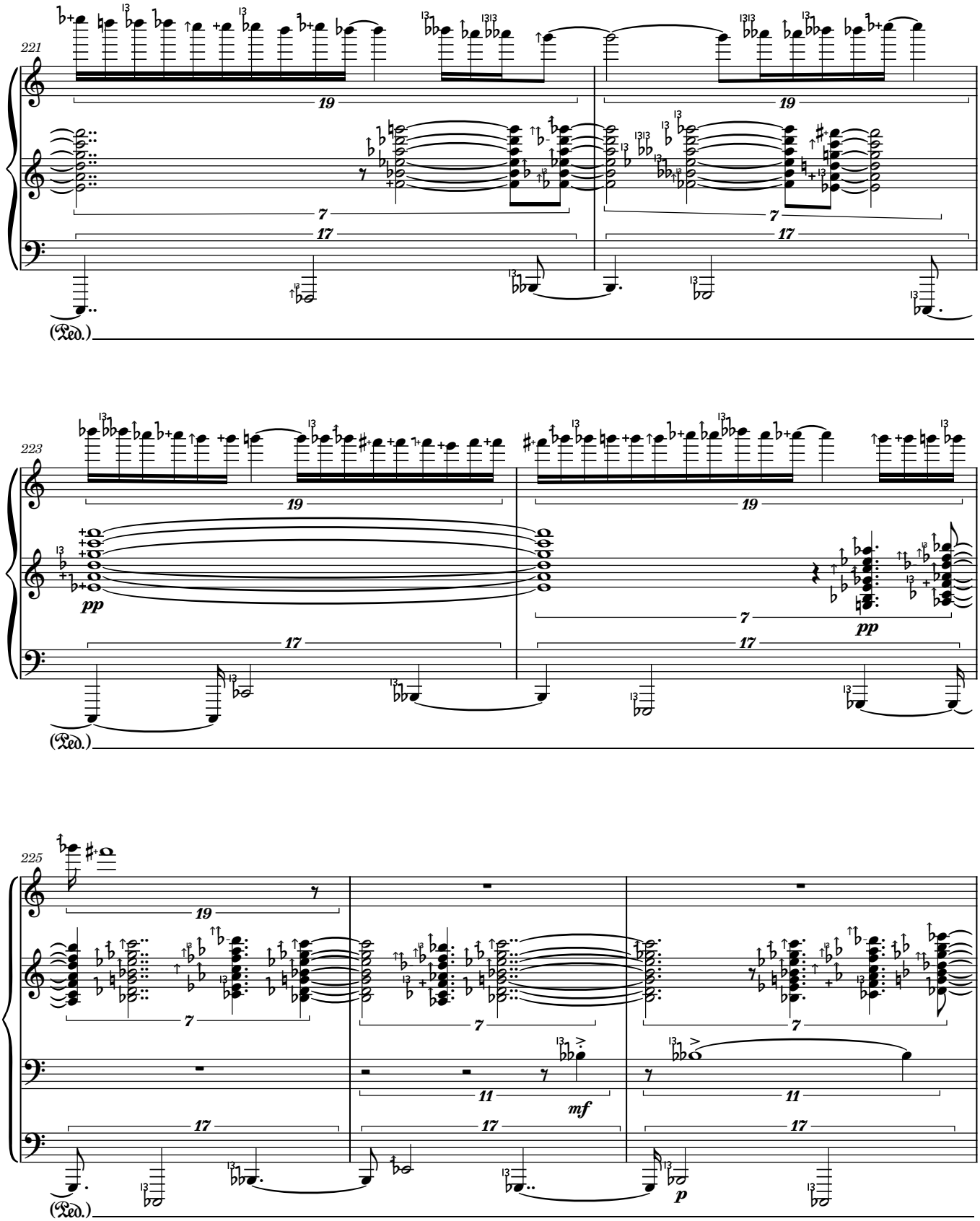

171
19
13
11
(Ped.)
p
Ped.
173
19
13
11
f
f
7
(Ped.)
Ped.
p
177
13
7
11
f
(Ped.)

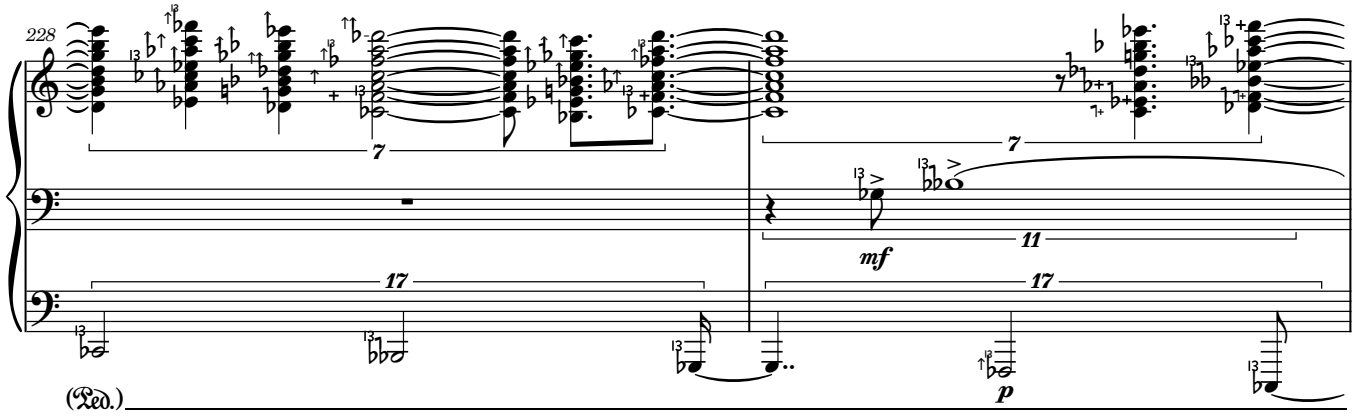

180
184
187
(Ped.)
Ped.

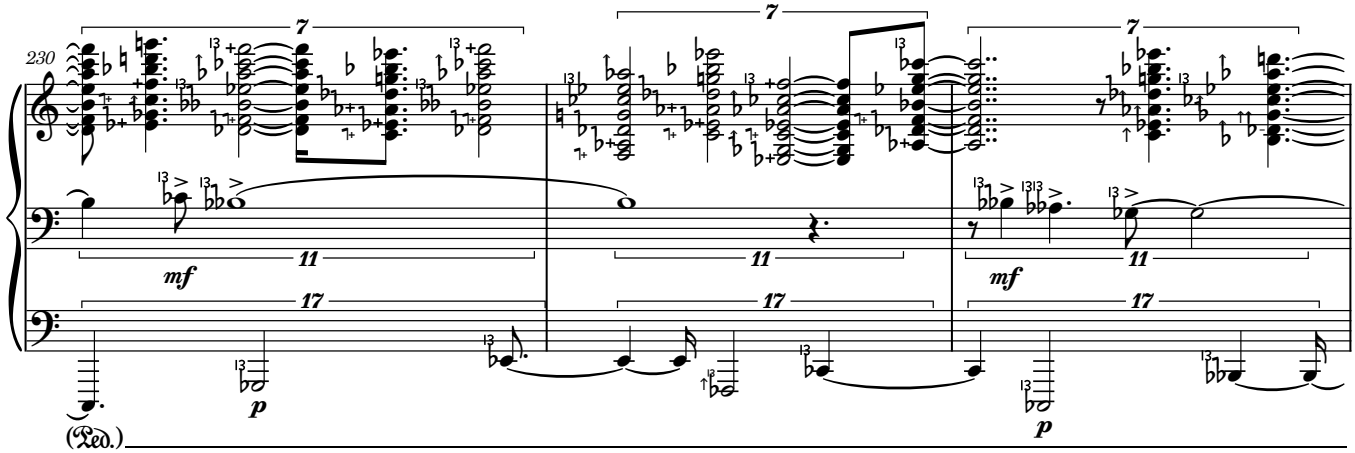

191
195
198
201
f
Ped.

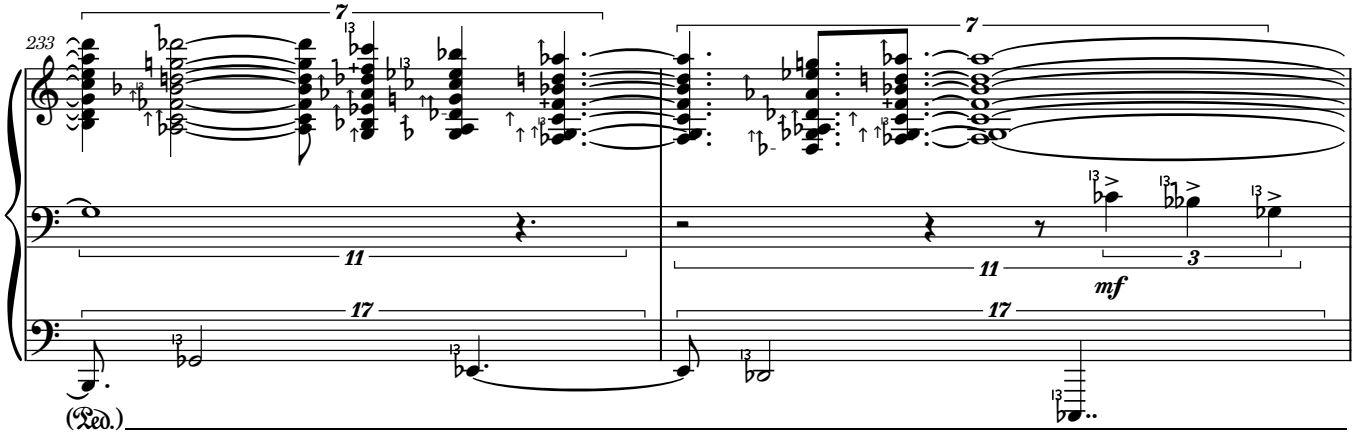

205
208
211
13
7
11
17
(Ped.)
Ped.
mf
p

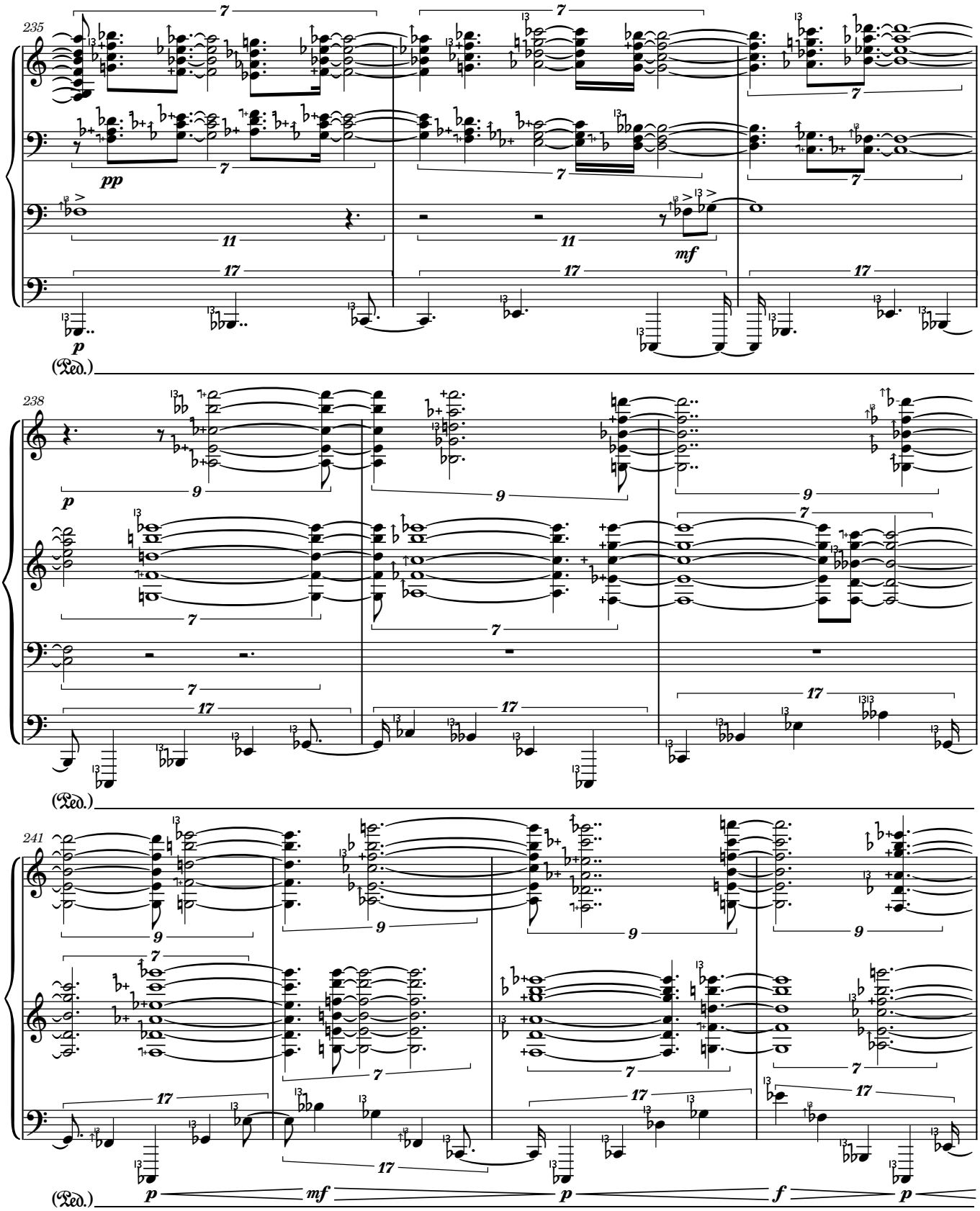

213
pp
(Ped.)
217
pp
(Ped.)
219
p
(Ped.)
Ped.

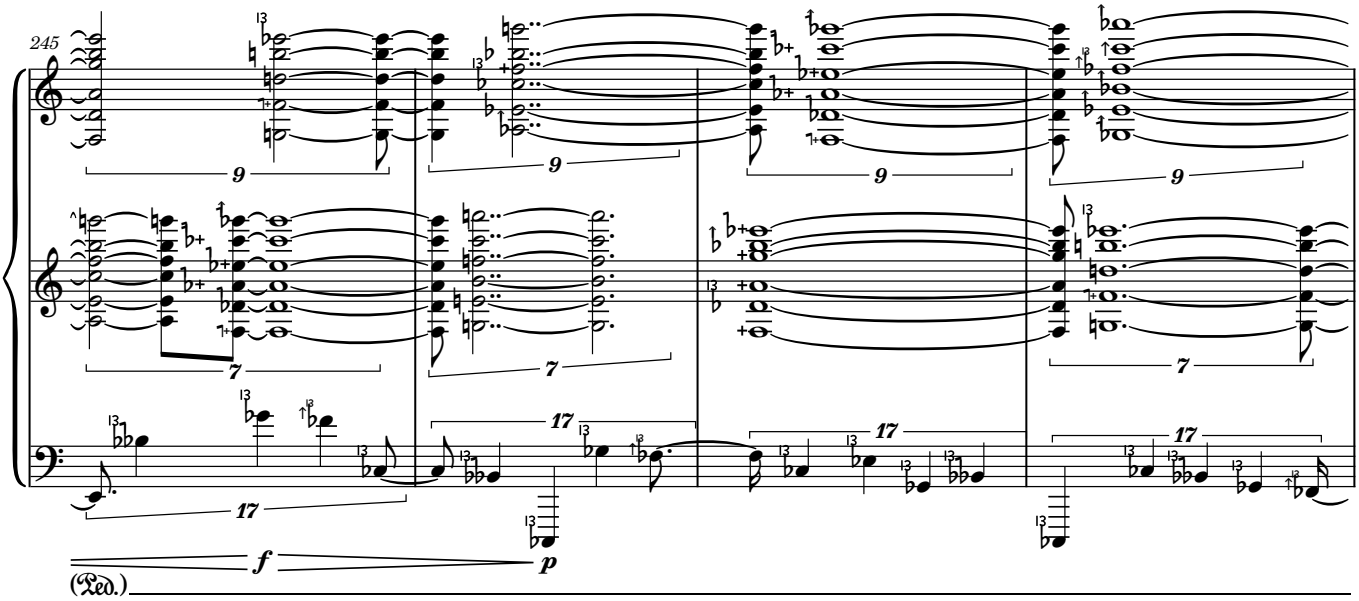

221
19
19
7
7
17
17
(Ped.)
223
19
19
pp
7
pp
17
17
(Ped.)
225
19
7
7
7
11
11
mf
17
17
17
p
(Ped.)

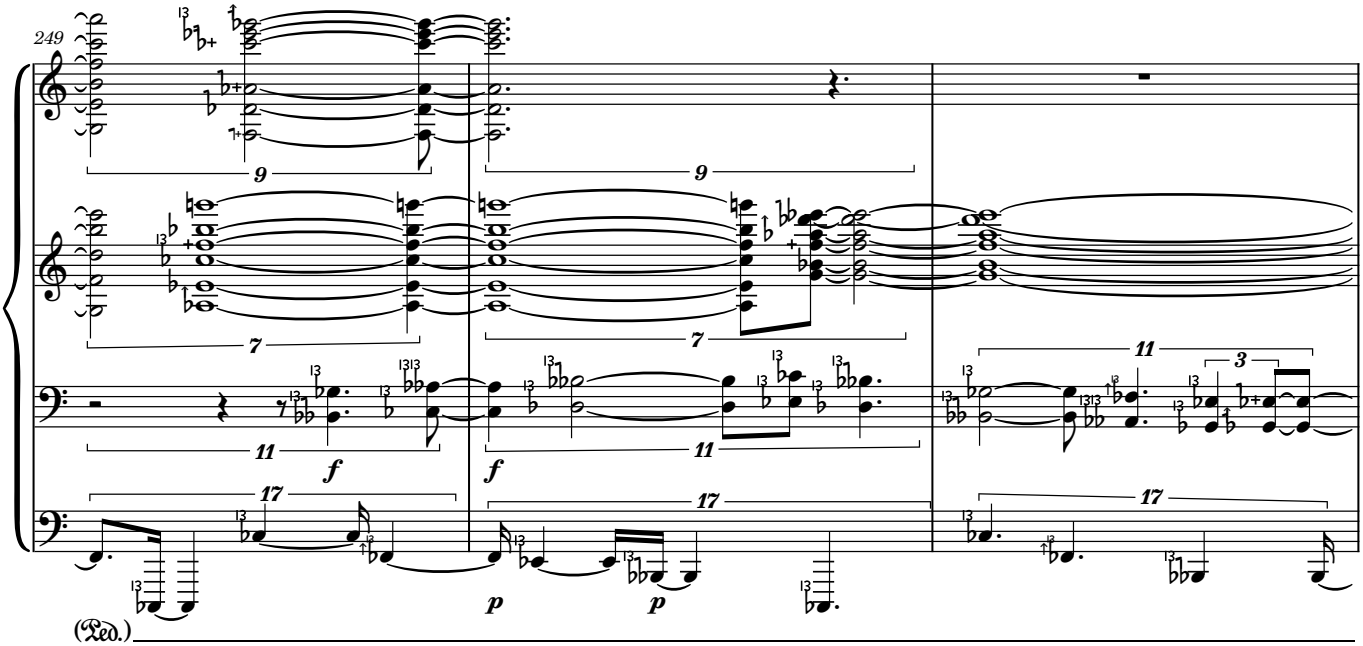

228
7
7
11
mf
17
17
p
(Ped.)

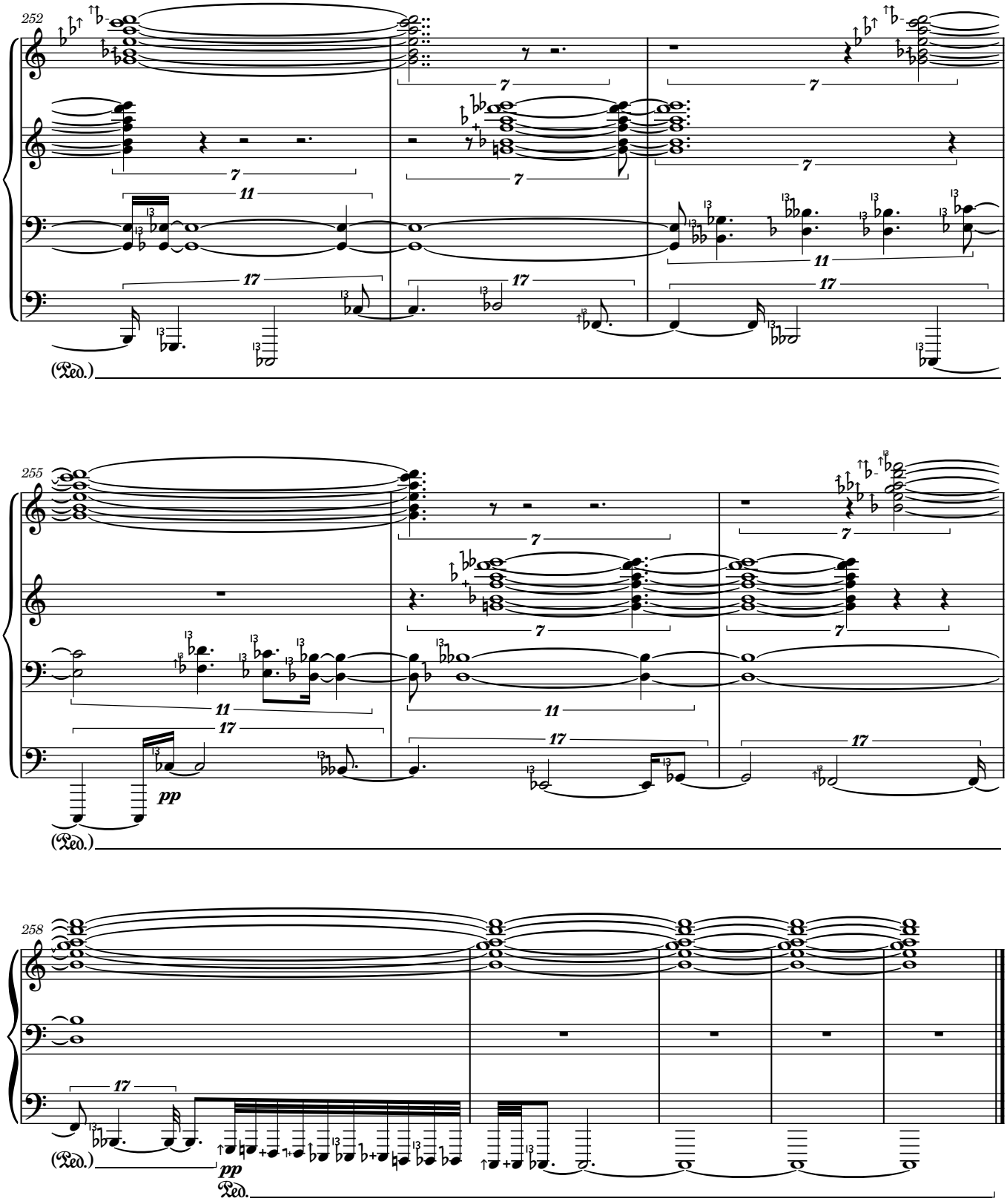

230
7
7
7
11
11
11
mf
mf
17
17
17
p
p
(Ped.)


233
7
7
11
11
3
mf
17
17
(Ped.)


235
pp
mf
(Ped.)
238
p
(Ped.)
241
p
mf
p
f
p
(Ped.)


245
9
7
17
f
p
(Ped.)
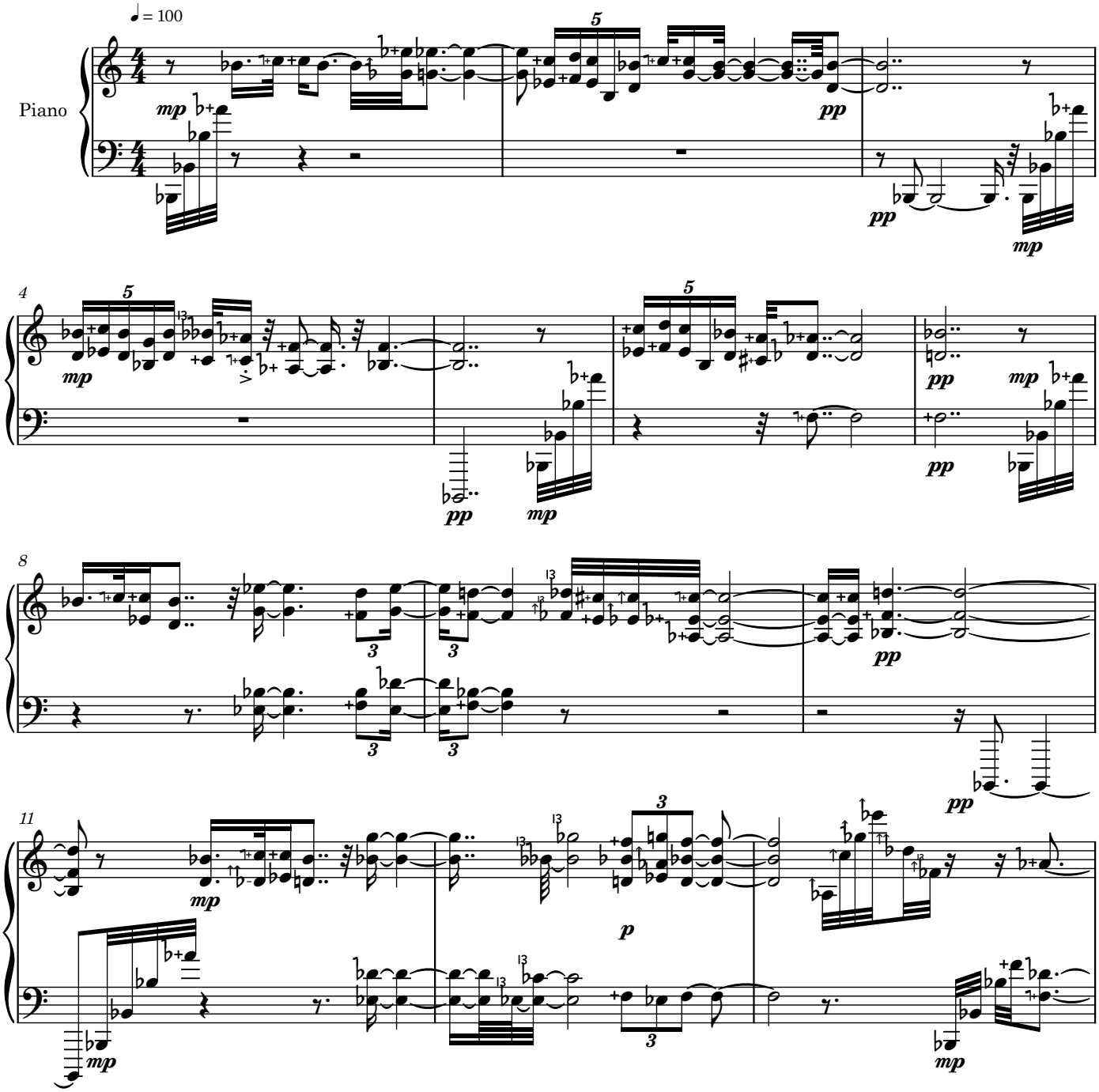

249
9
7
11
17
3
f
p
(Ped.)
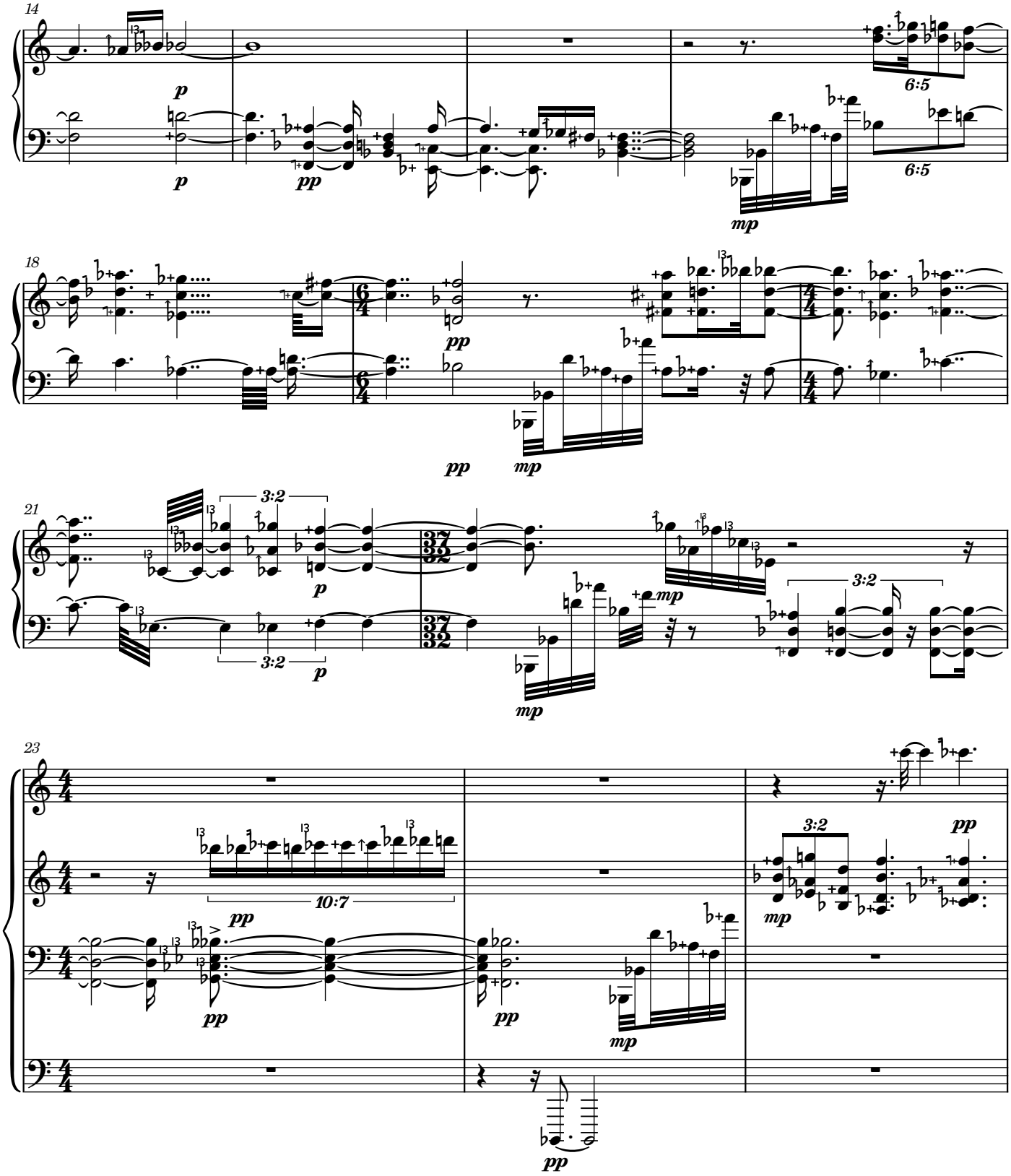


April 7 - July 25, 2017
Germantown, NY
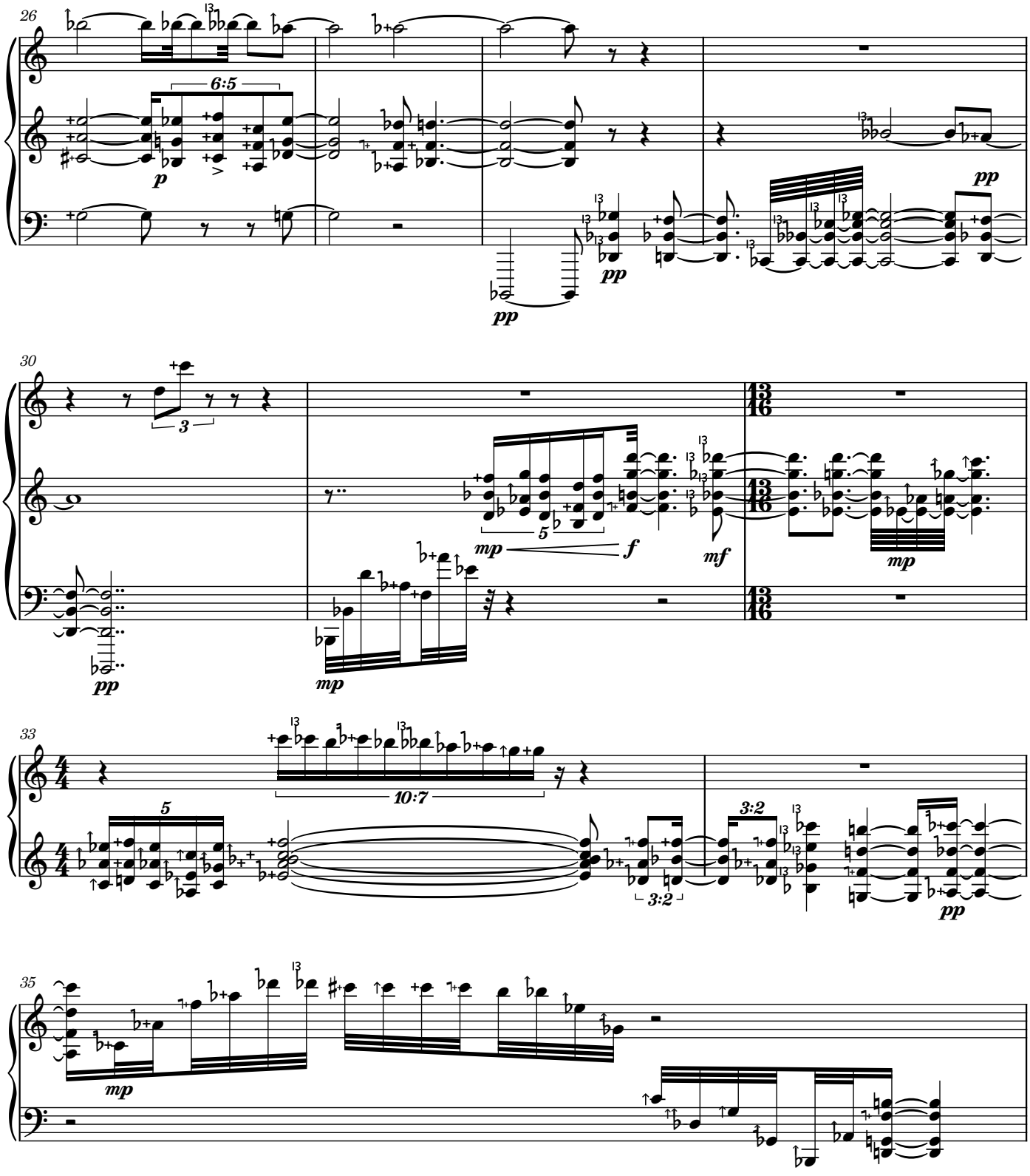
Spacecat
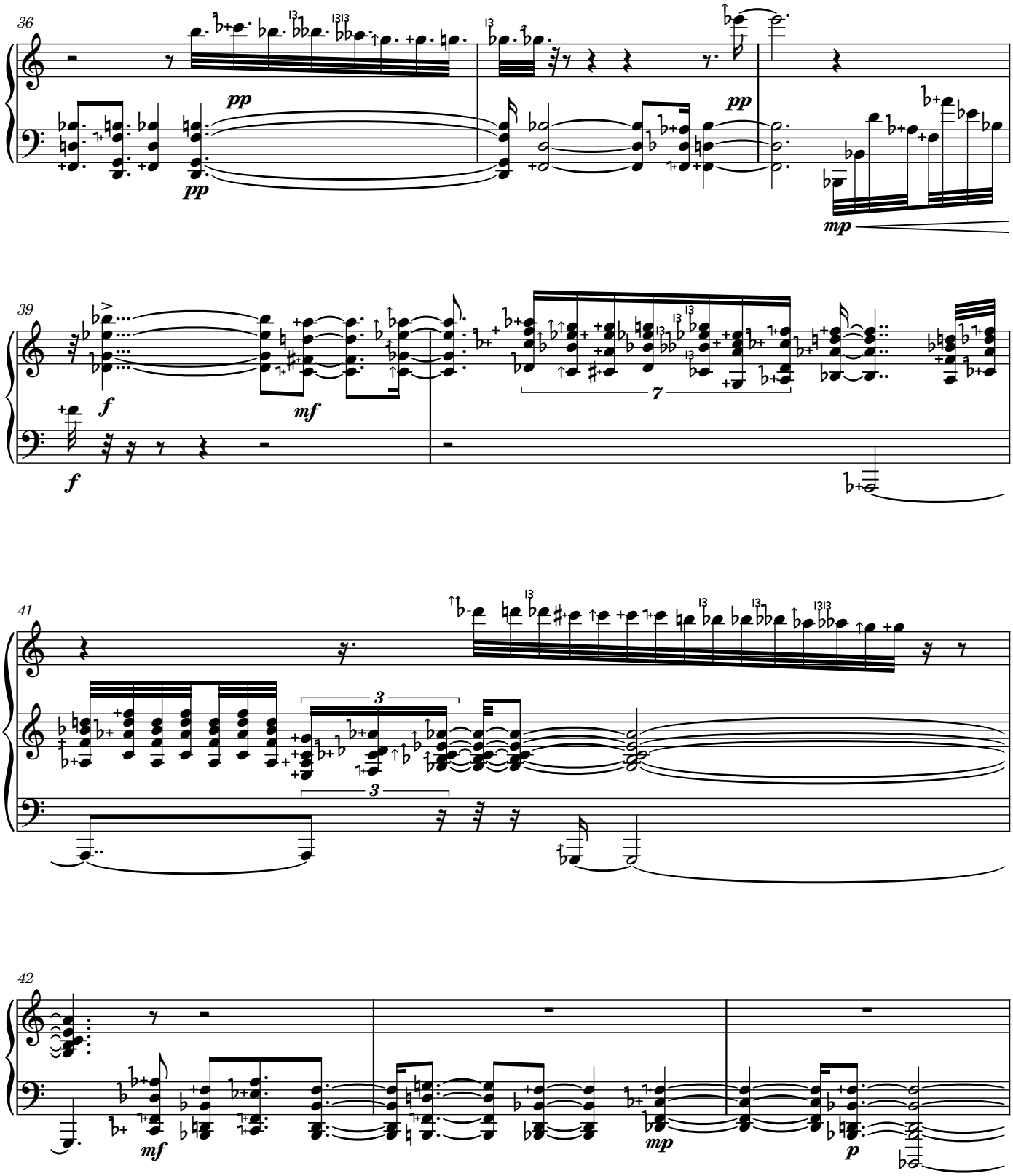
Kyle Gann
2017
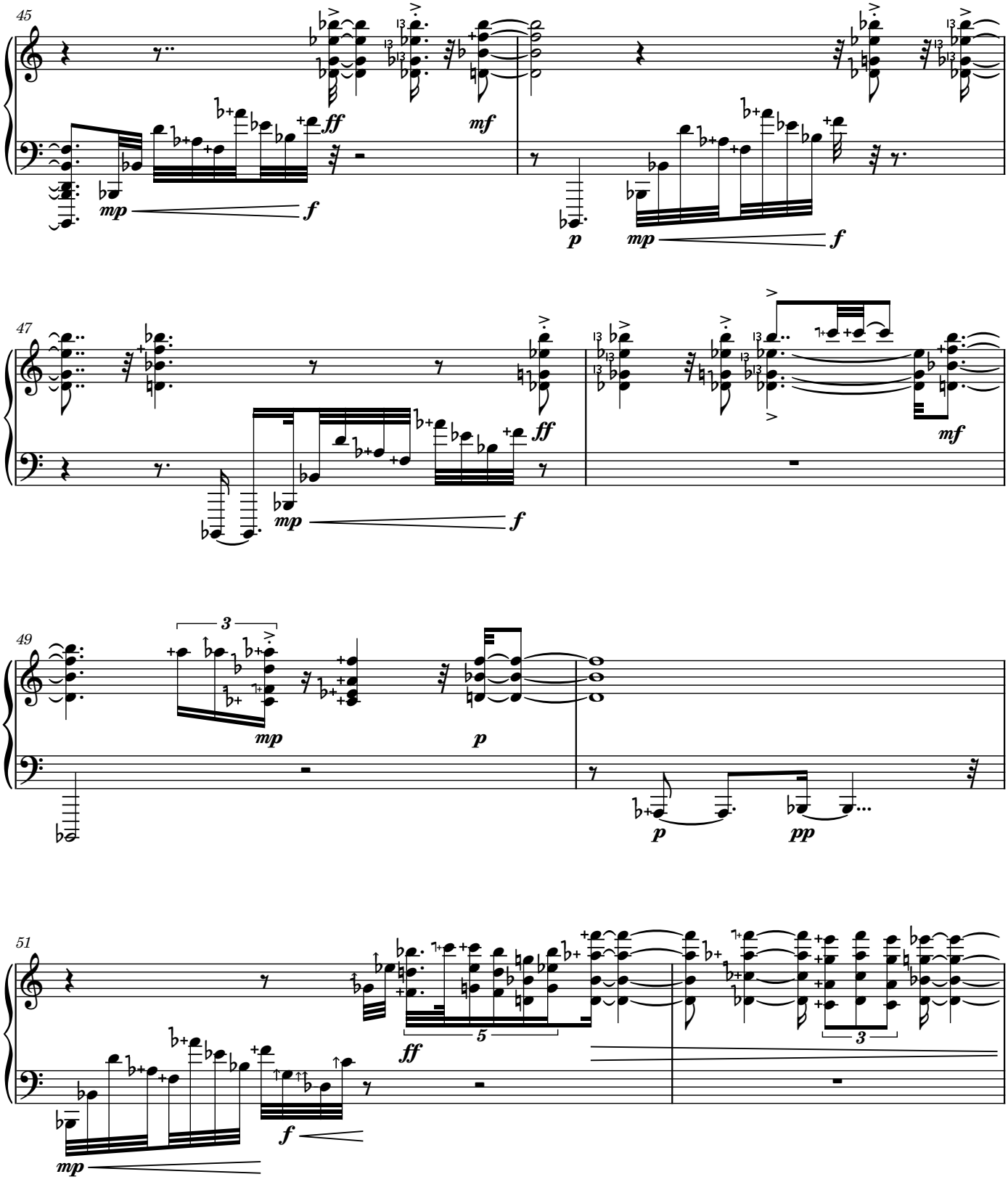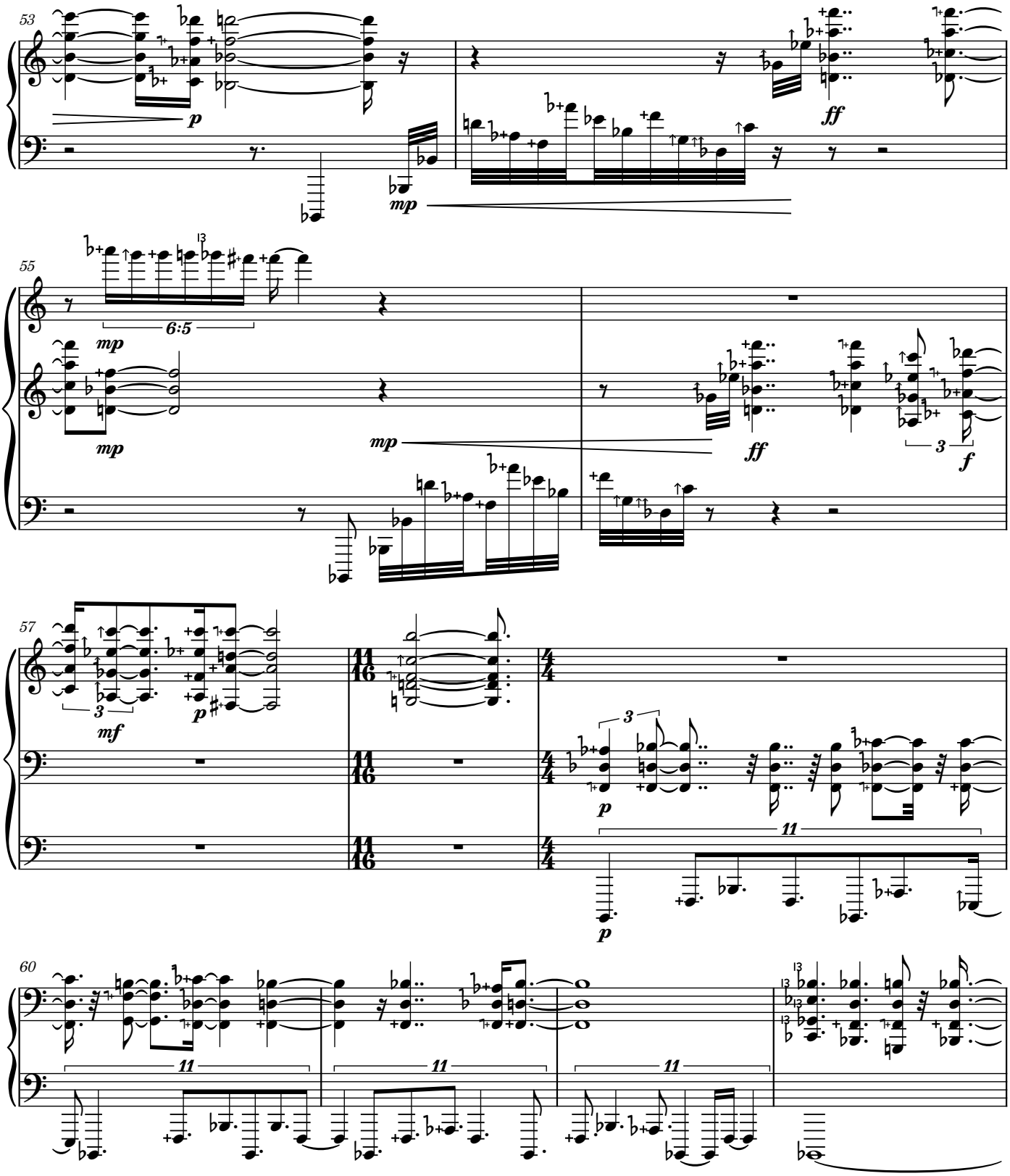


© 2017 Smith Grabholz Music
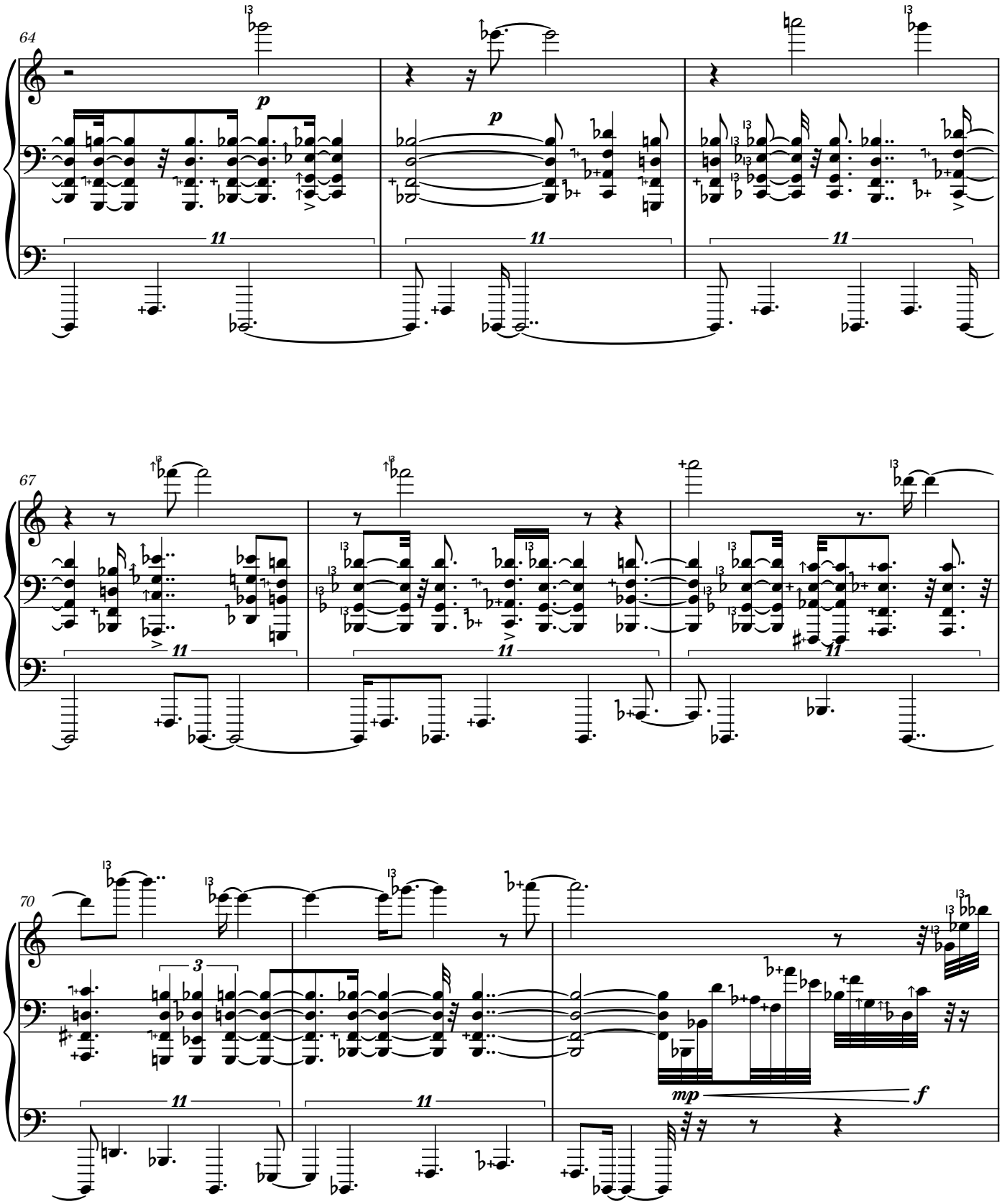

14
p
p
pp
6:5
6:5
mp
18
pp
pp
mp
21
3:2
3:2
p
p
mp
mp
3:2
23
10:7
pp
pp
pp
pp
mp
3:2
mp
pp
pp
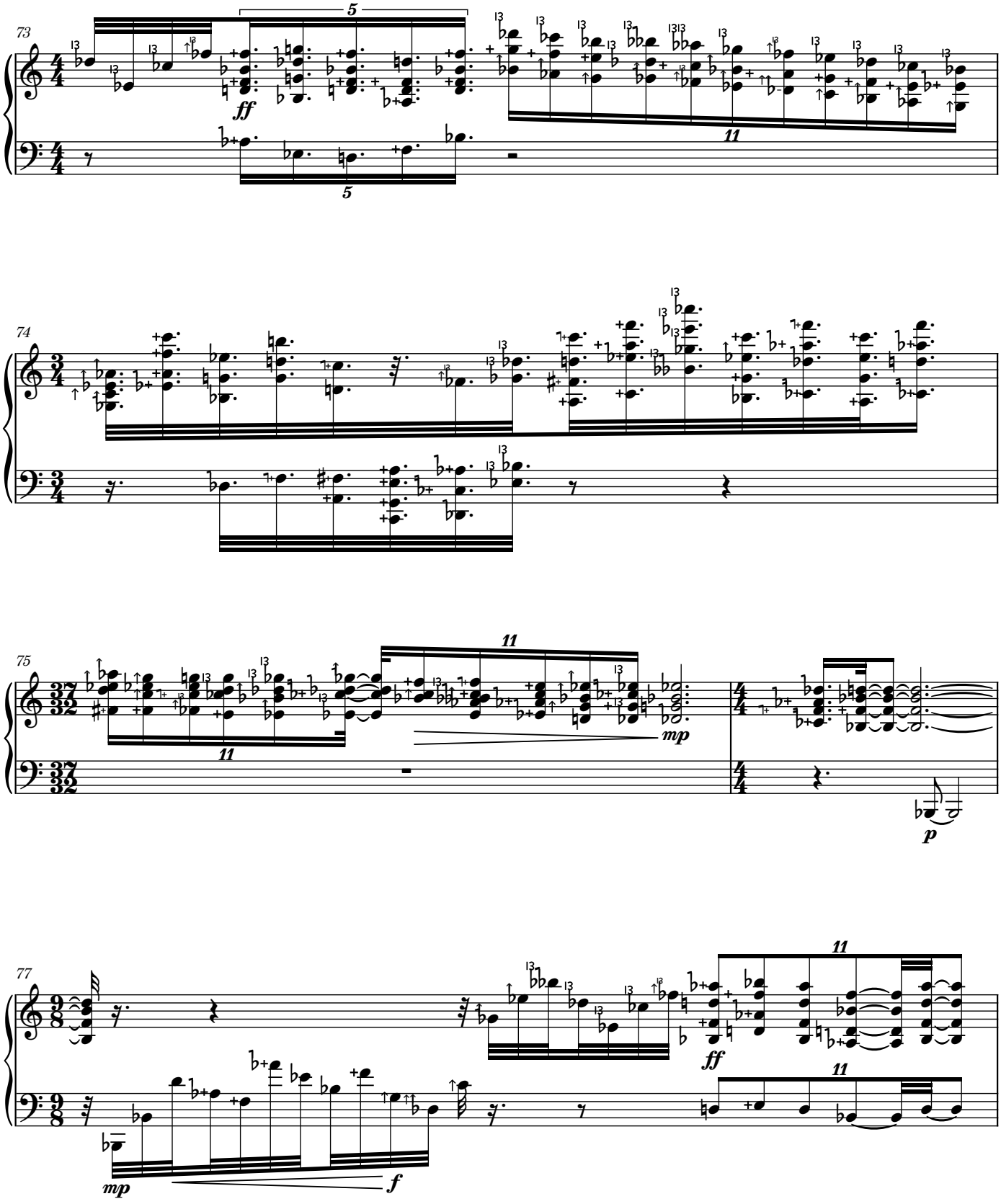

26
6:5
p
pp
pp
30
3
mp
5
f
mf
mp
pp
mp
33
10:7
5
3:2
3:2
pp
35
mp

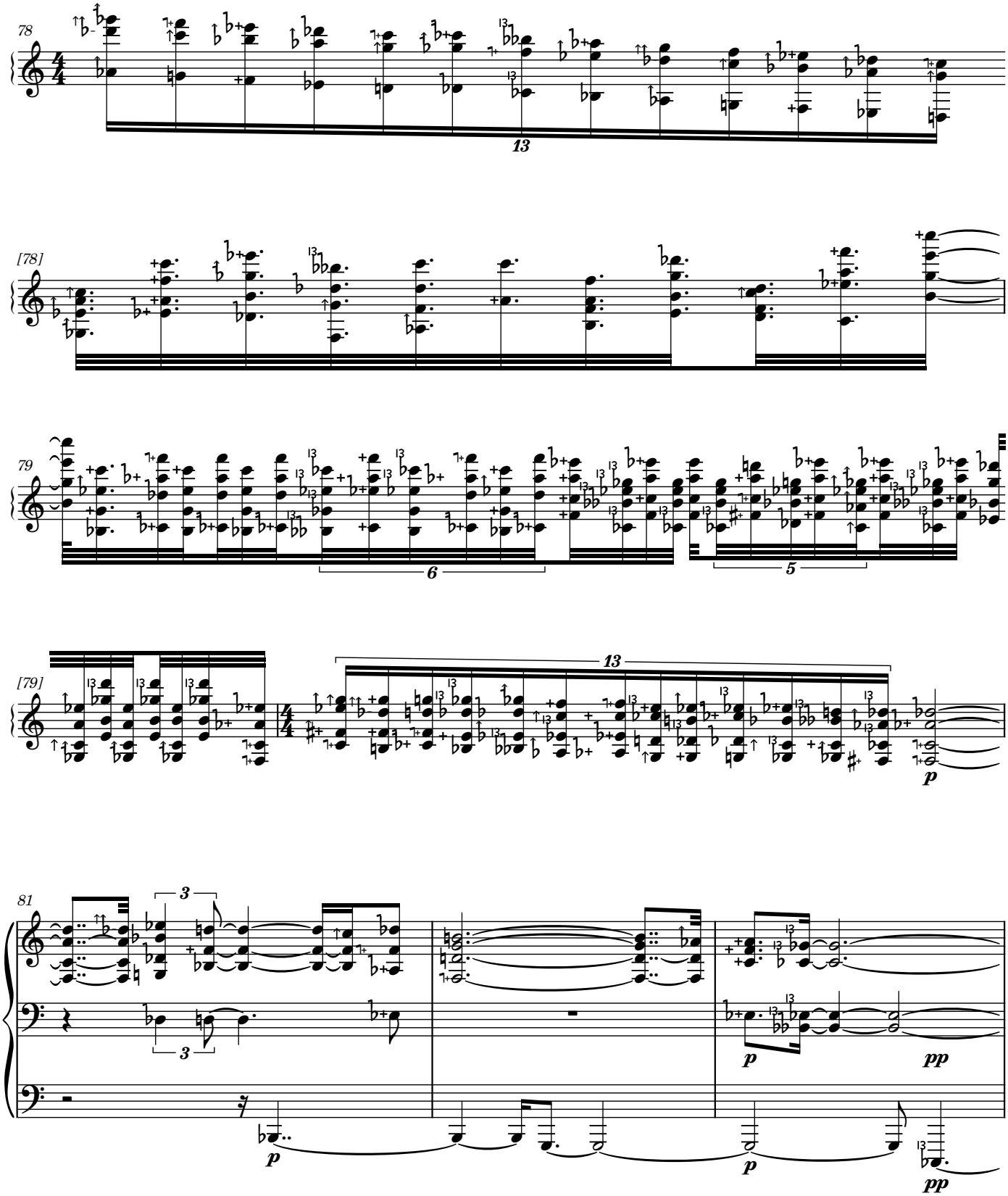

36
pp
pp
pp
mp
39
f
f
mf
7
41
3
3
42
mf
mp
p
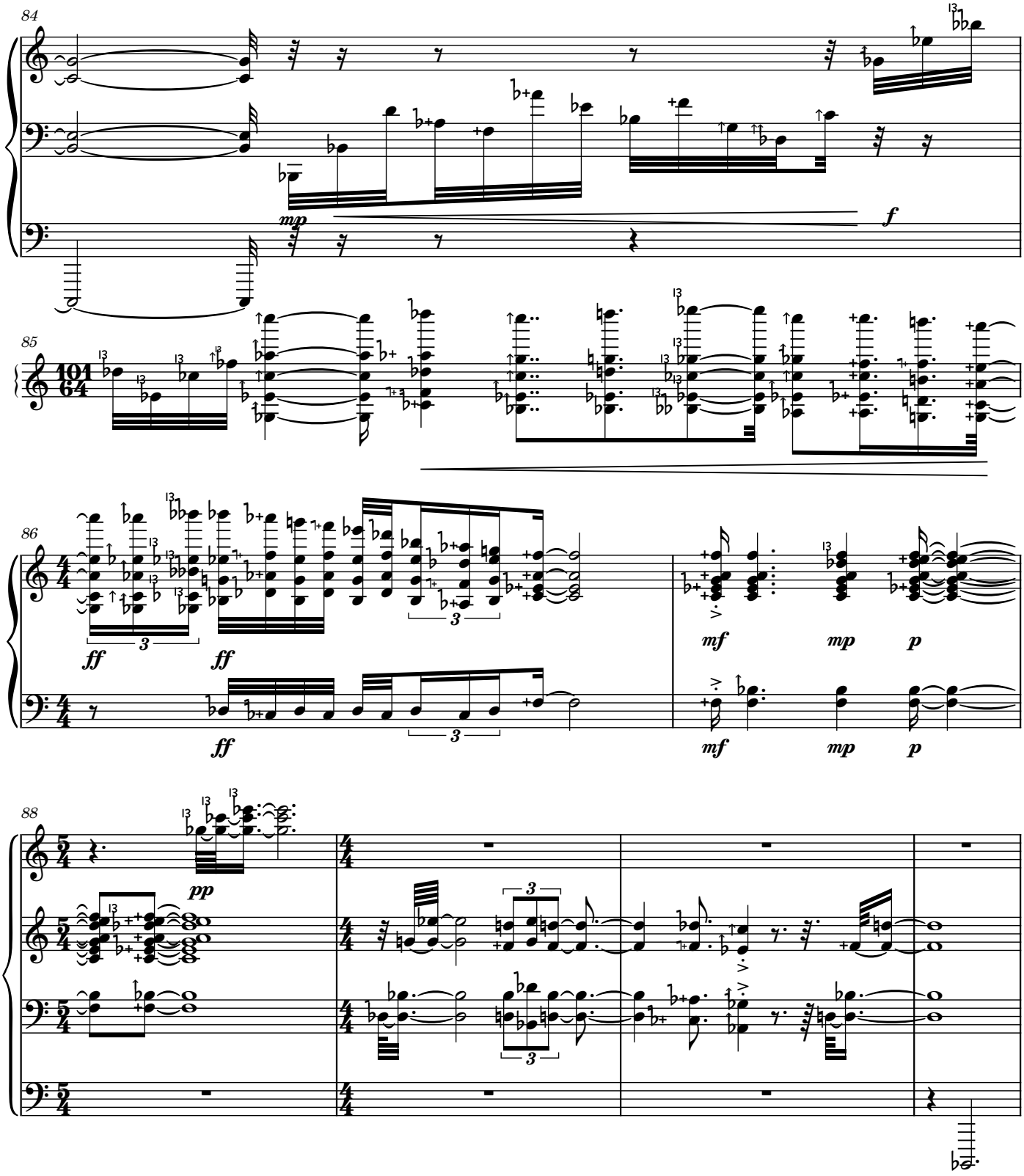

45
ff
mf
mp
f
p
mp
f
47
ff
mf
mp
f
49
3
mp
p
p
pp
51
ff
5
3
f
mp
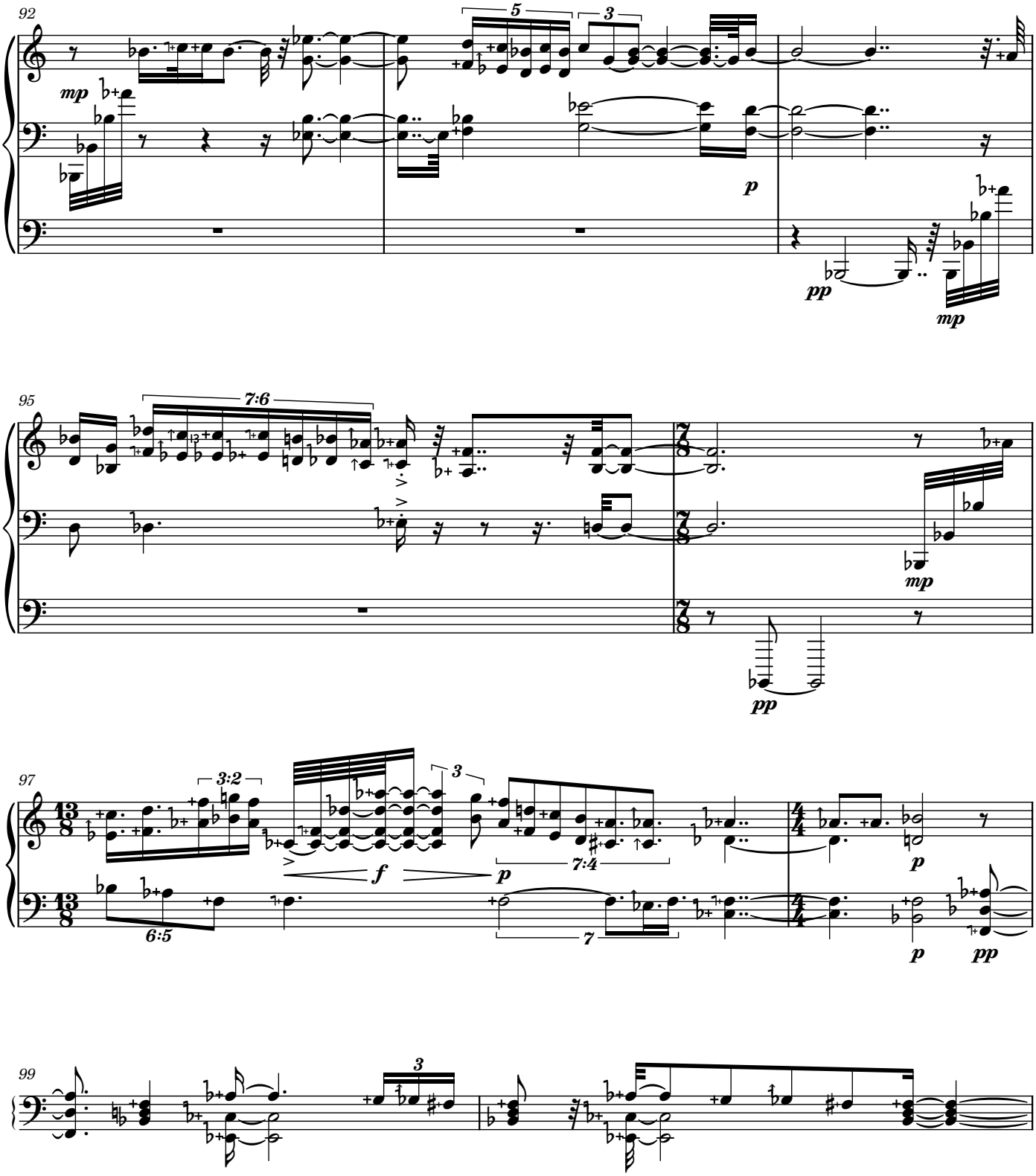

53
p
mp
ff
55
6:5
mp
mp
mp
ff
3
f
57
3
mf
p
3
p
11
p
60
11
11
11

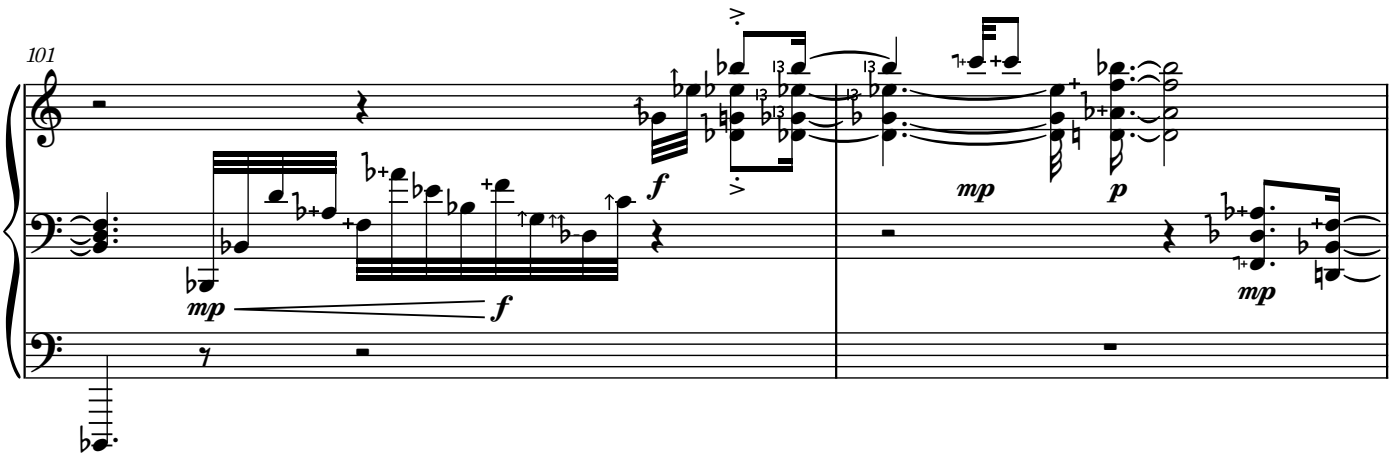

64
p
11
67
11
70
3
11
mp
f

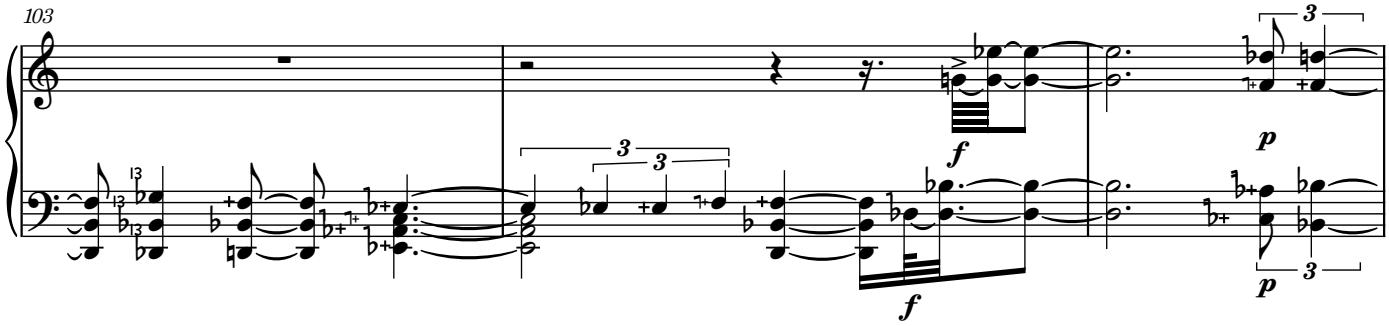

73
74
75
77
ff
mp
p
f

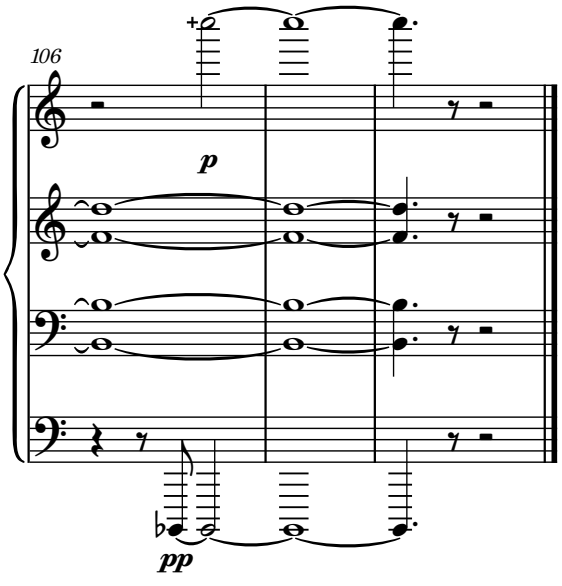

78
13
[78]
79
6
5
[79]
13
p
81
3
3
p
pp
p
p
pp


84
mp
f
85
86
ff
ff
ff
mf
mp
p
mf
mp
p
88
pp


92
5
3
mp
p
pp
mp
95
7:6
mp
pp
97
3:2
3
f
p
7:4
6:5
7
p
p
pp
99
3



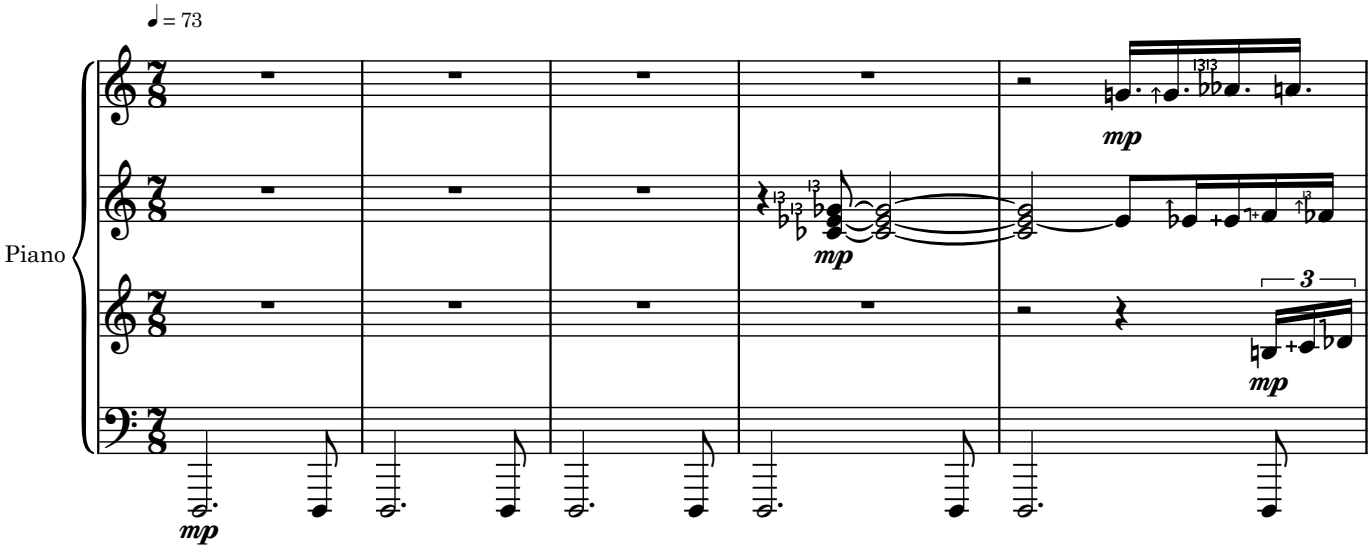


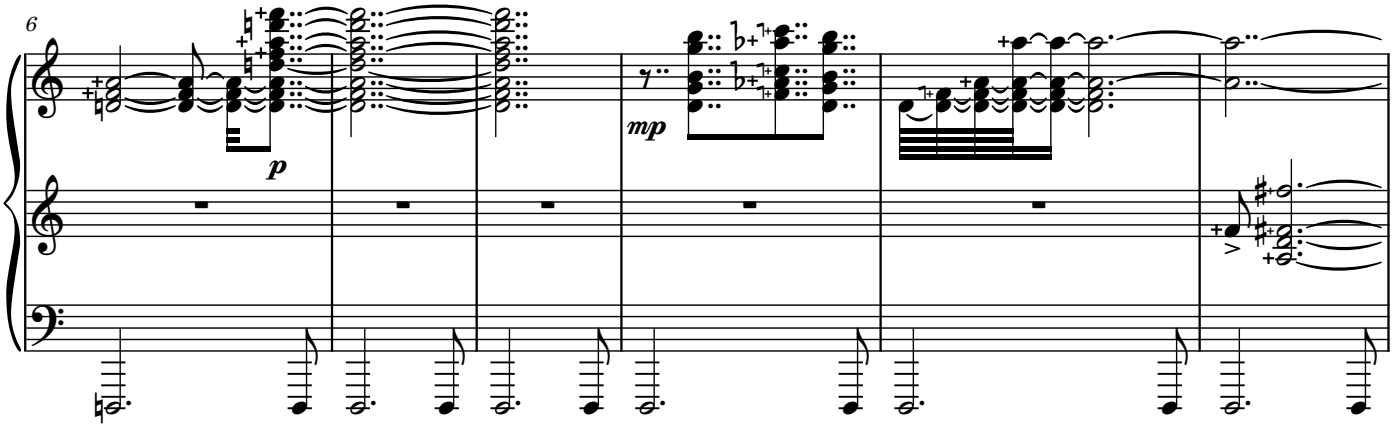


May 31 - June 26, 2017
Germantown, NY
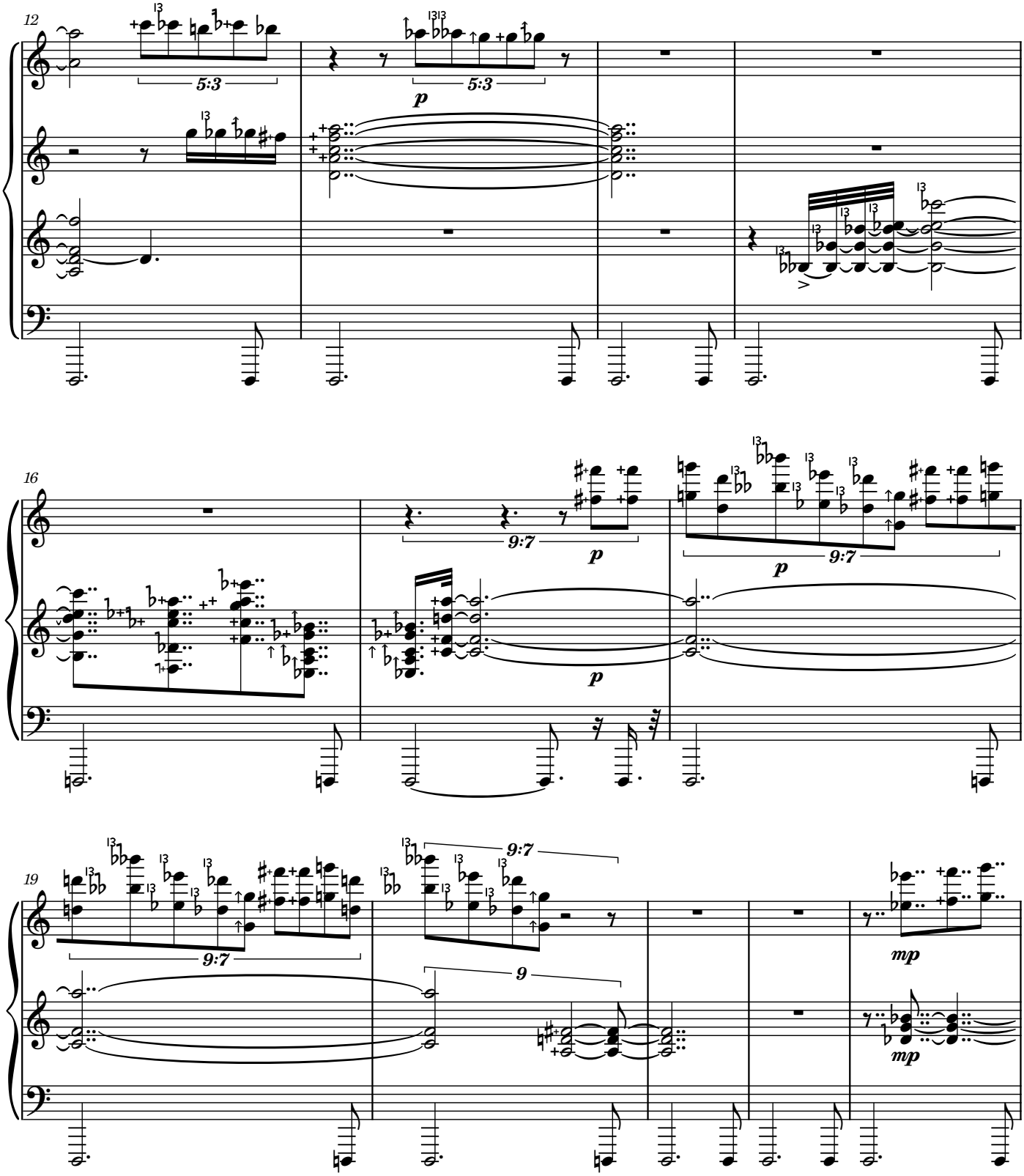
Extravehicular Activity

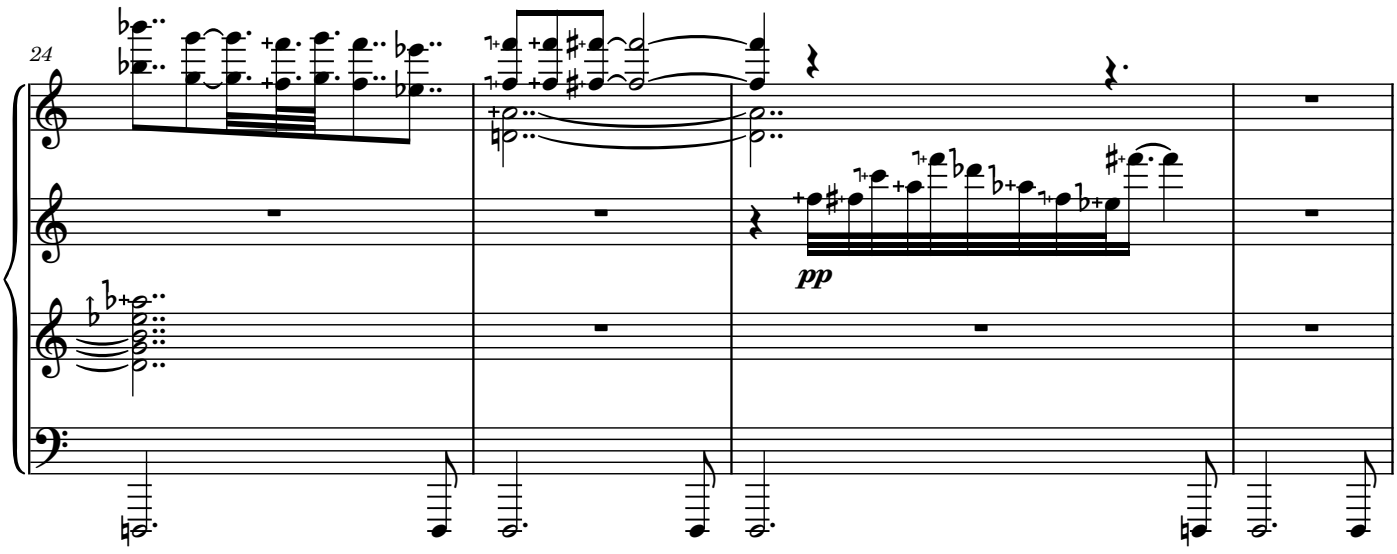
Kyle Gann
2021

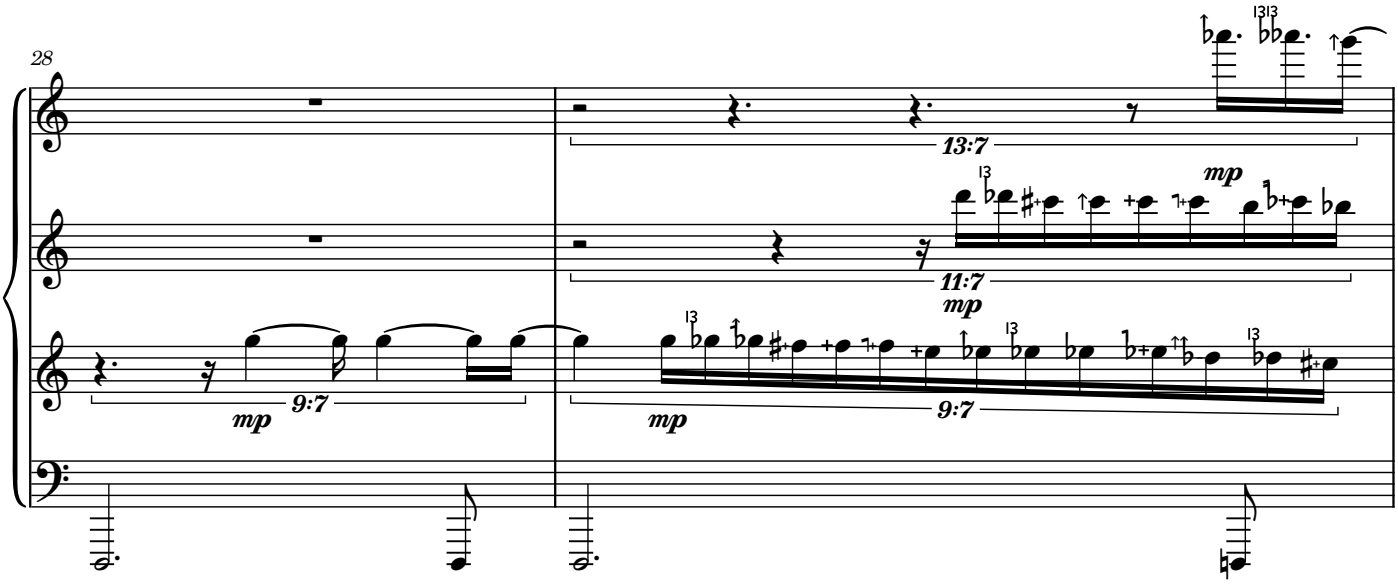


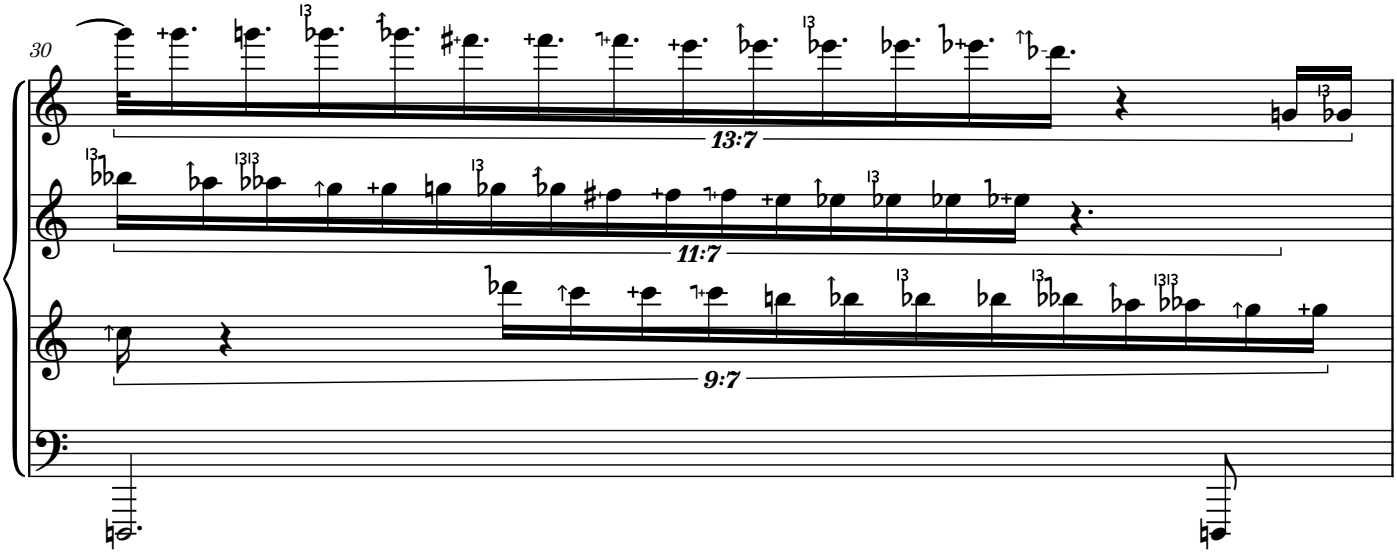


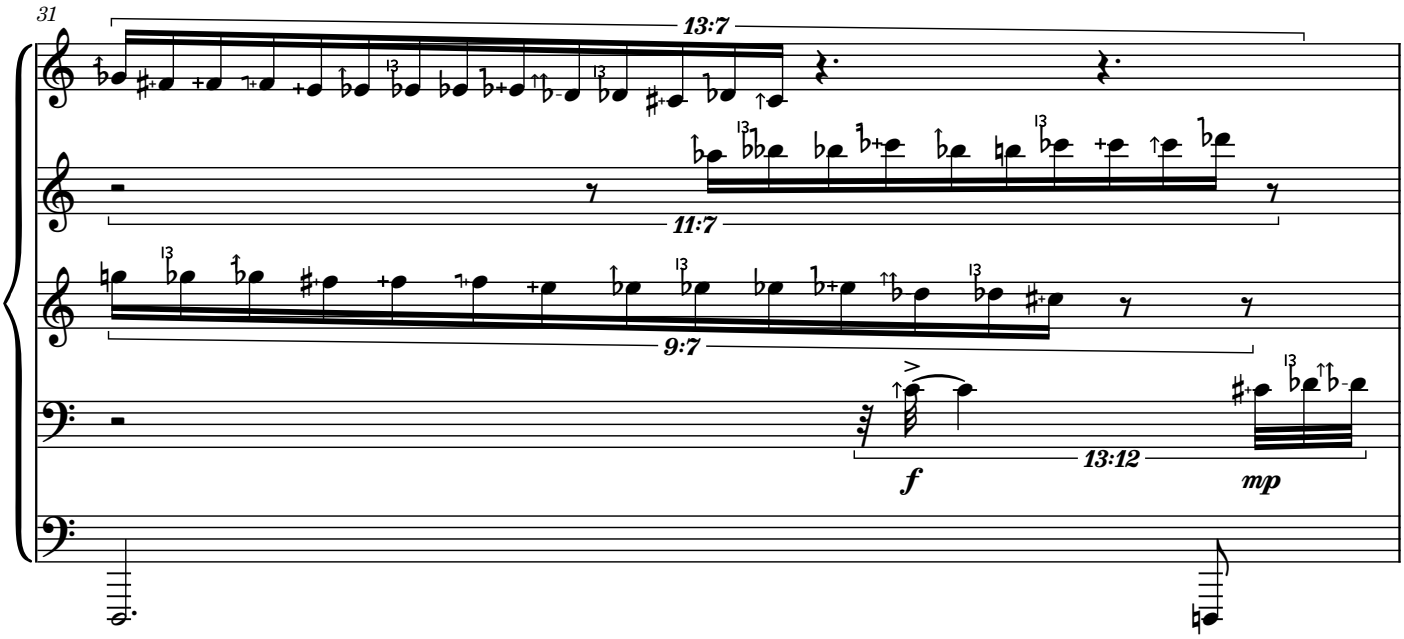
© 2021 Smith Grabholz Music
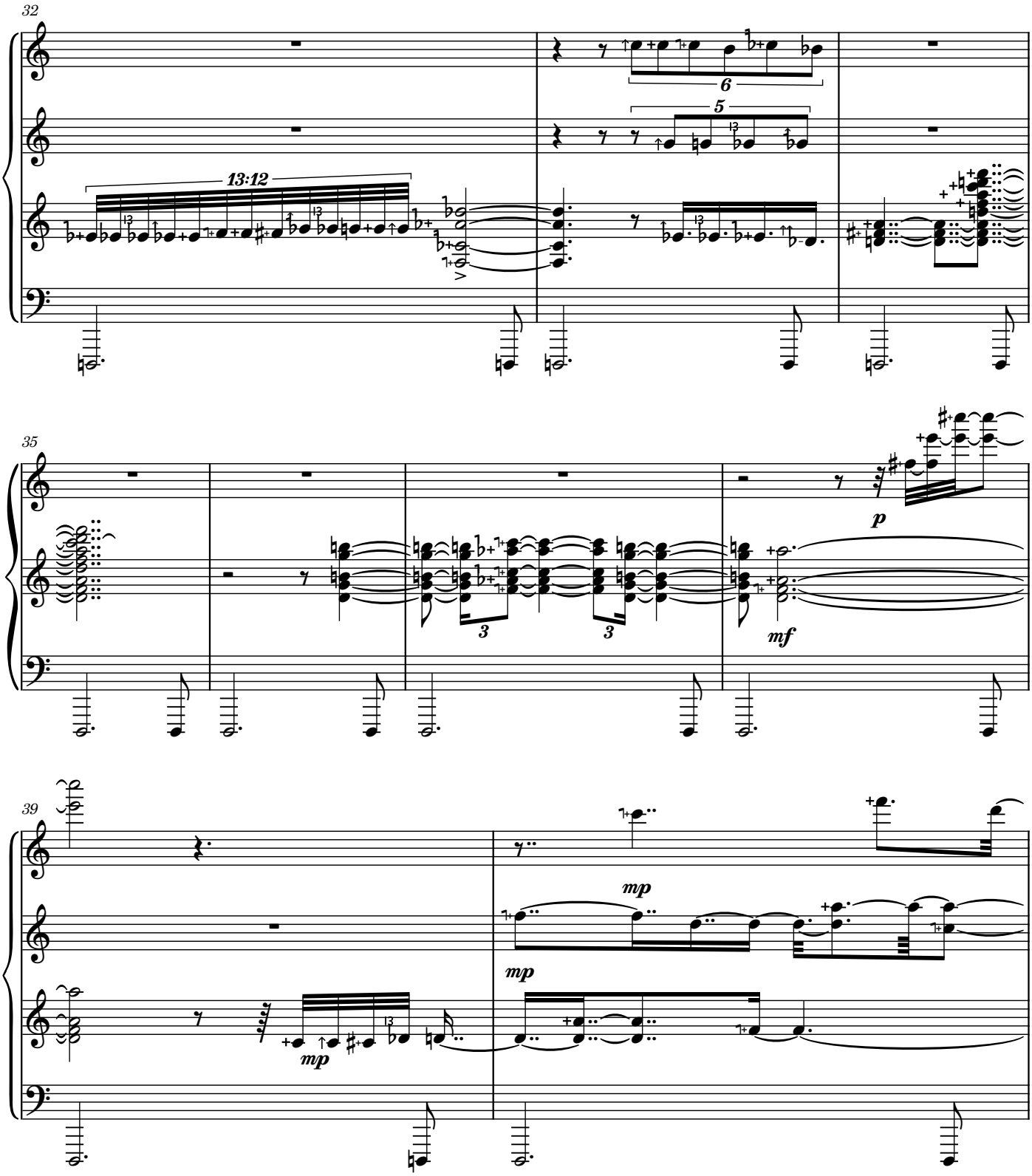

12
5:3
5:3
p
16
9:7
p
9:7
p
p
19
9:7
9:7
9
mp
mp
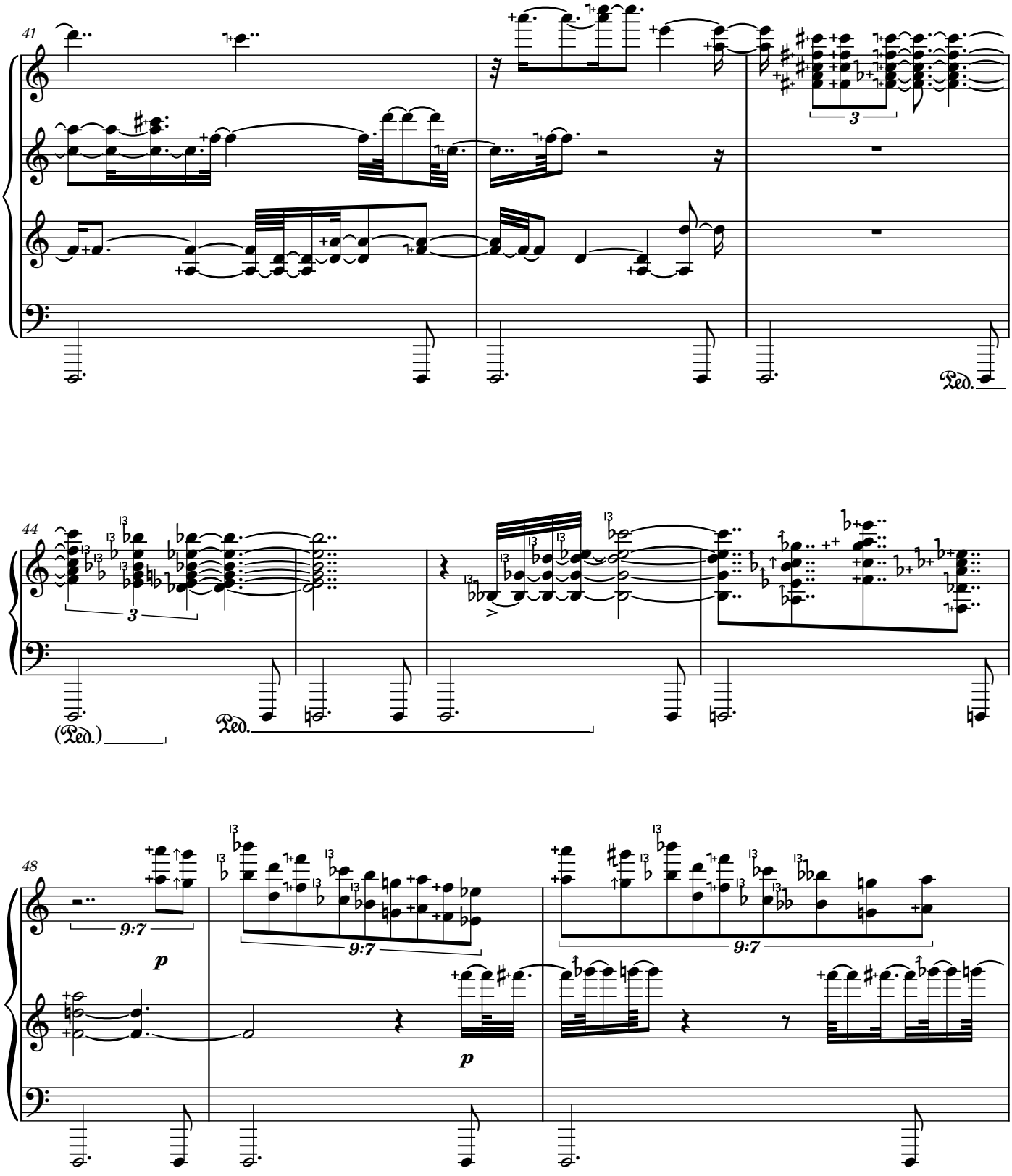

24
pp
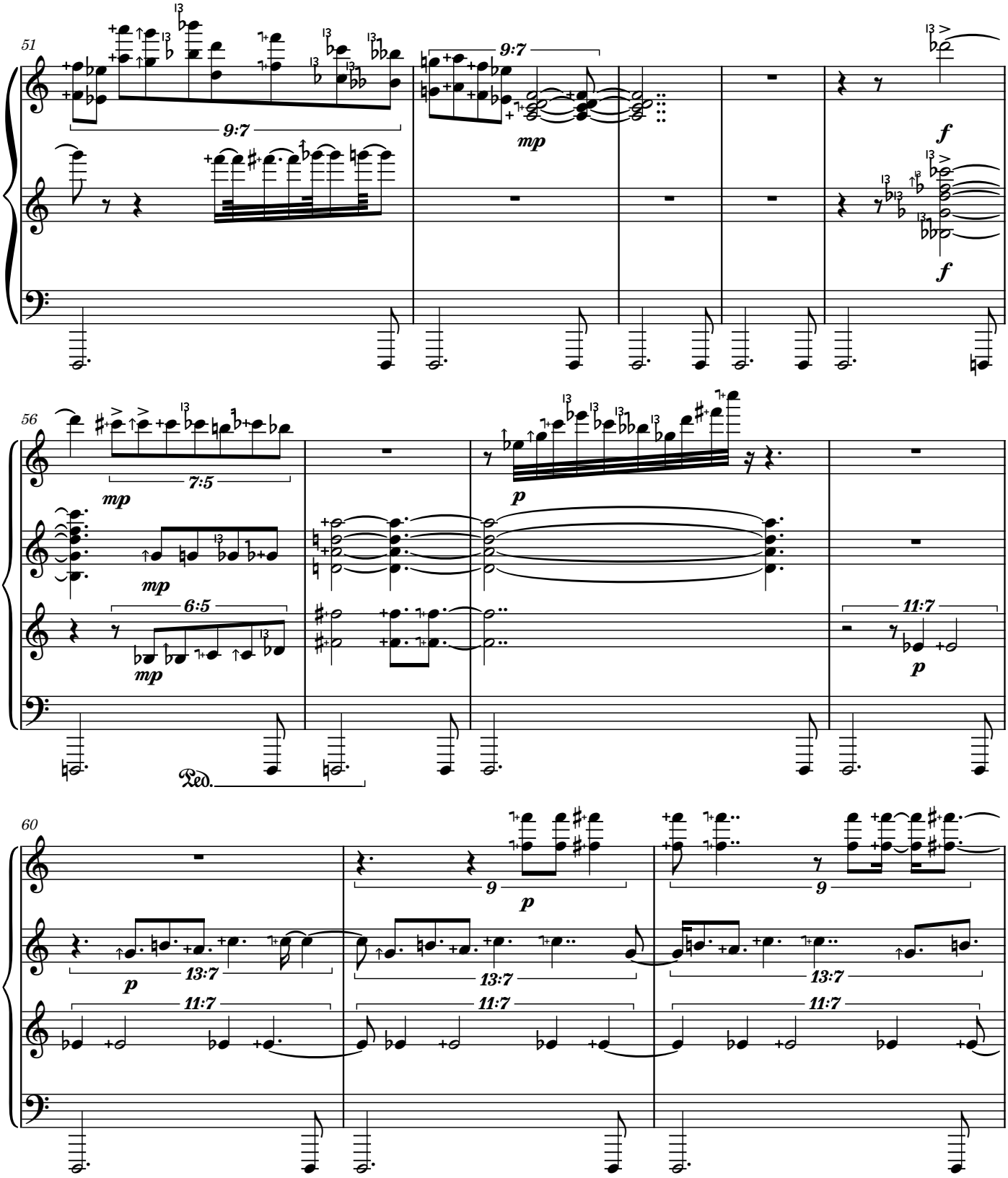

28
13:7
mp
11:7
mp
mp
9:7
mp
9:7
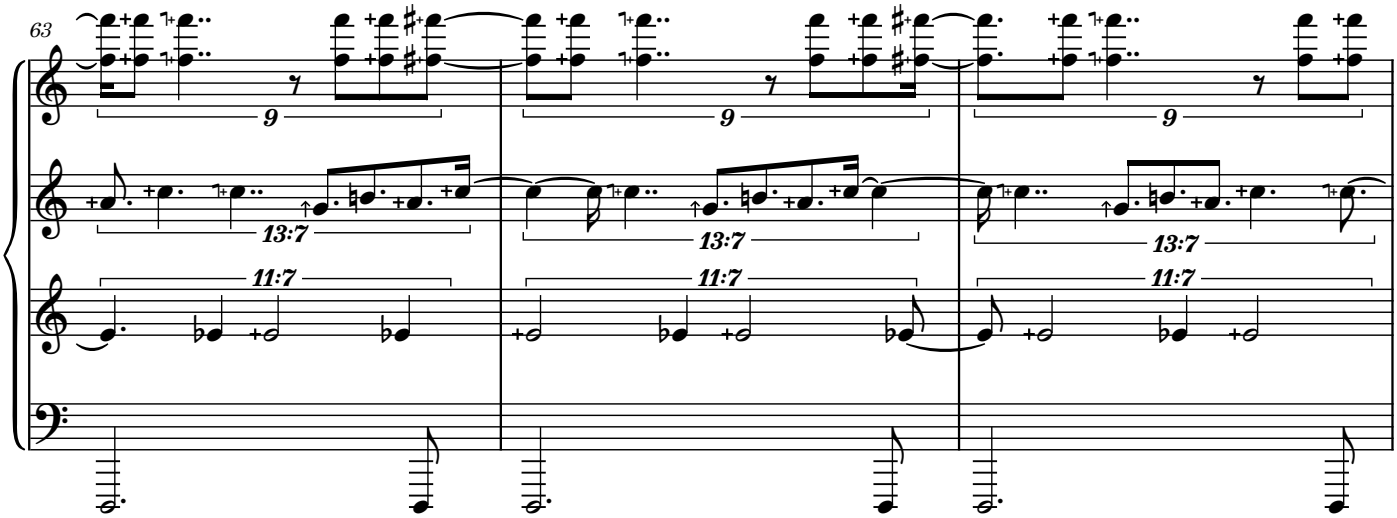

30
13:7
11:7
9:7

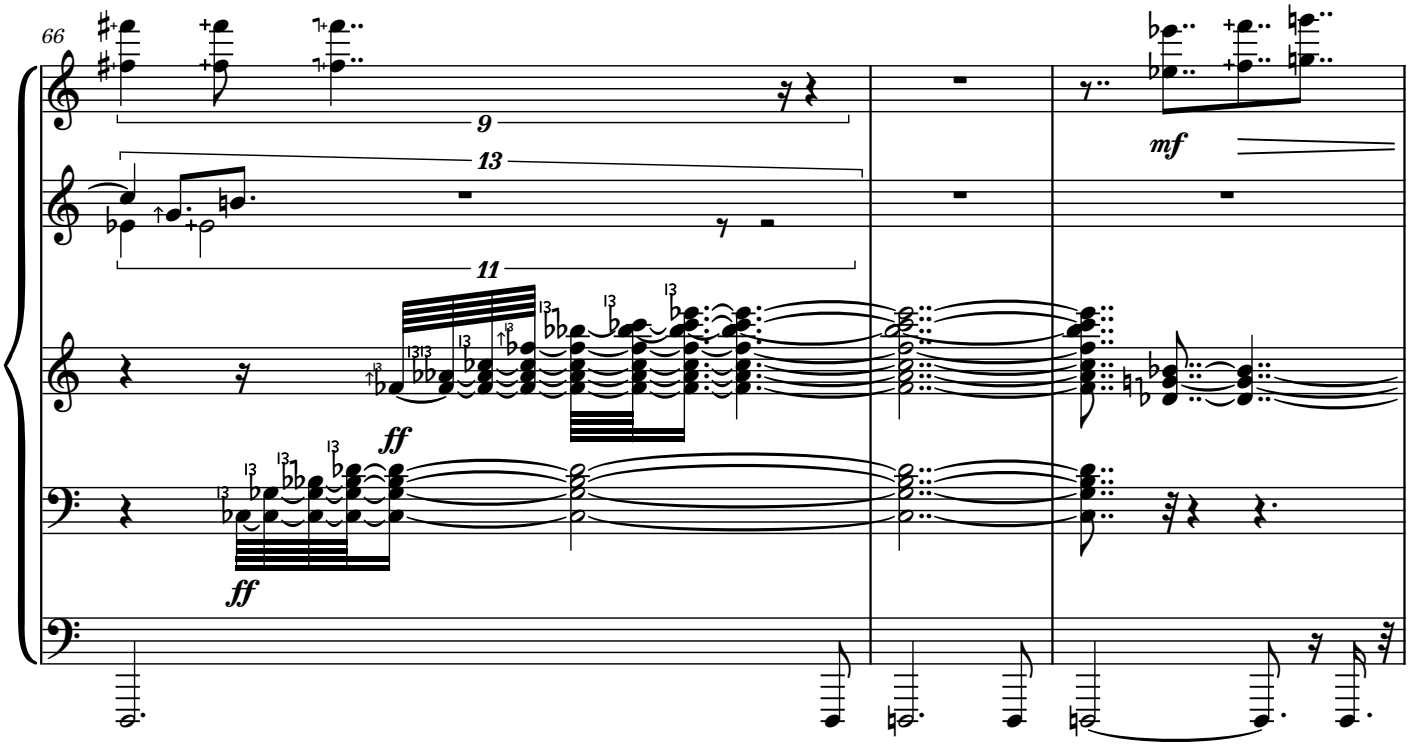

31
13:7
11:7
9:7
f
13:12
mp
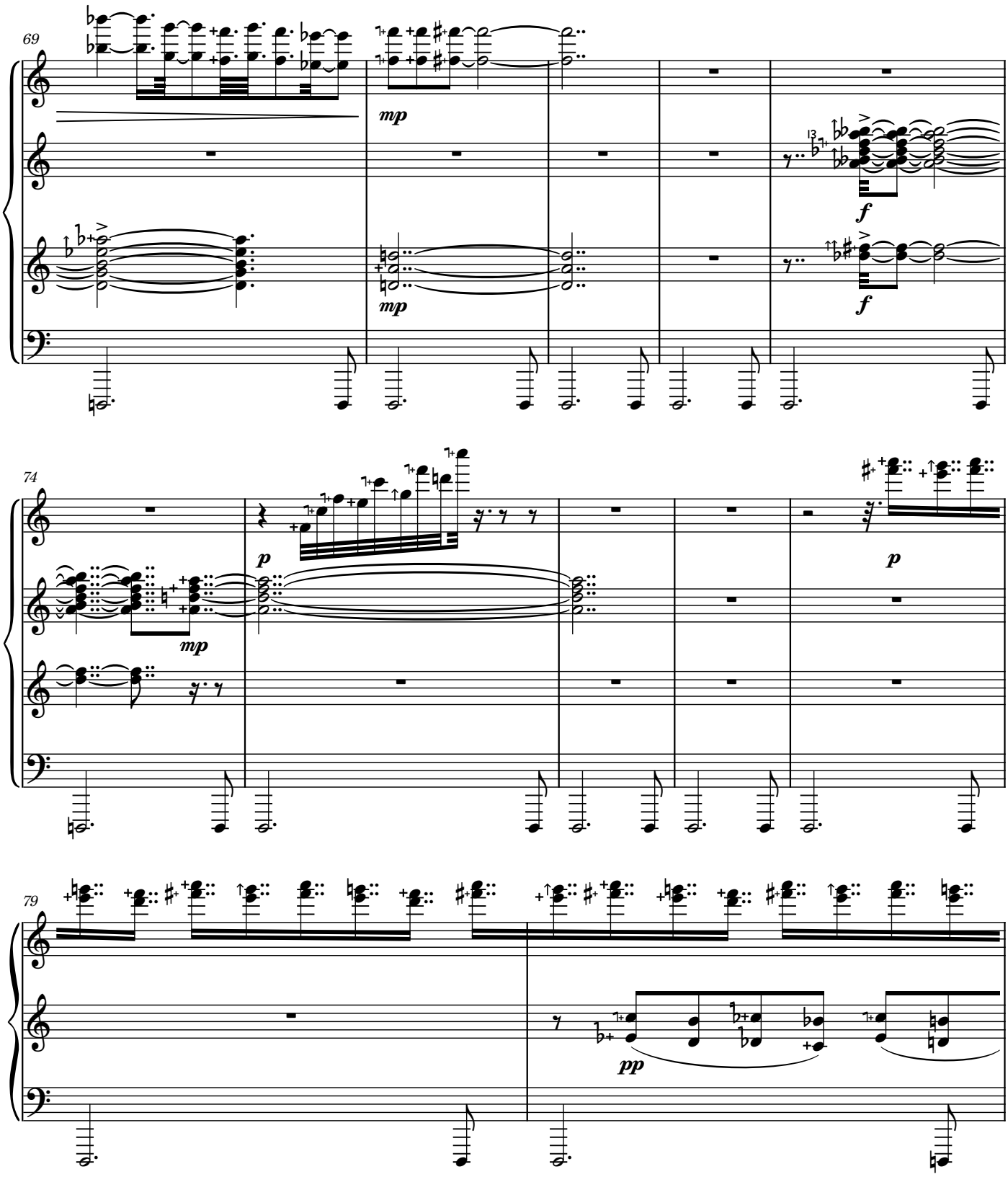

32
13:12
6
5
35
3
3
p
mf
39
mp
mp
mp
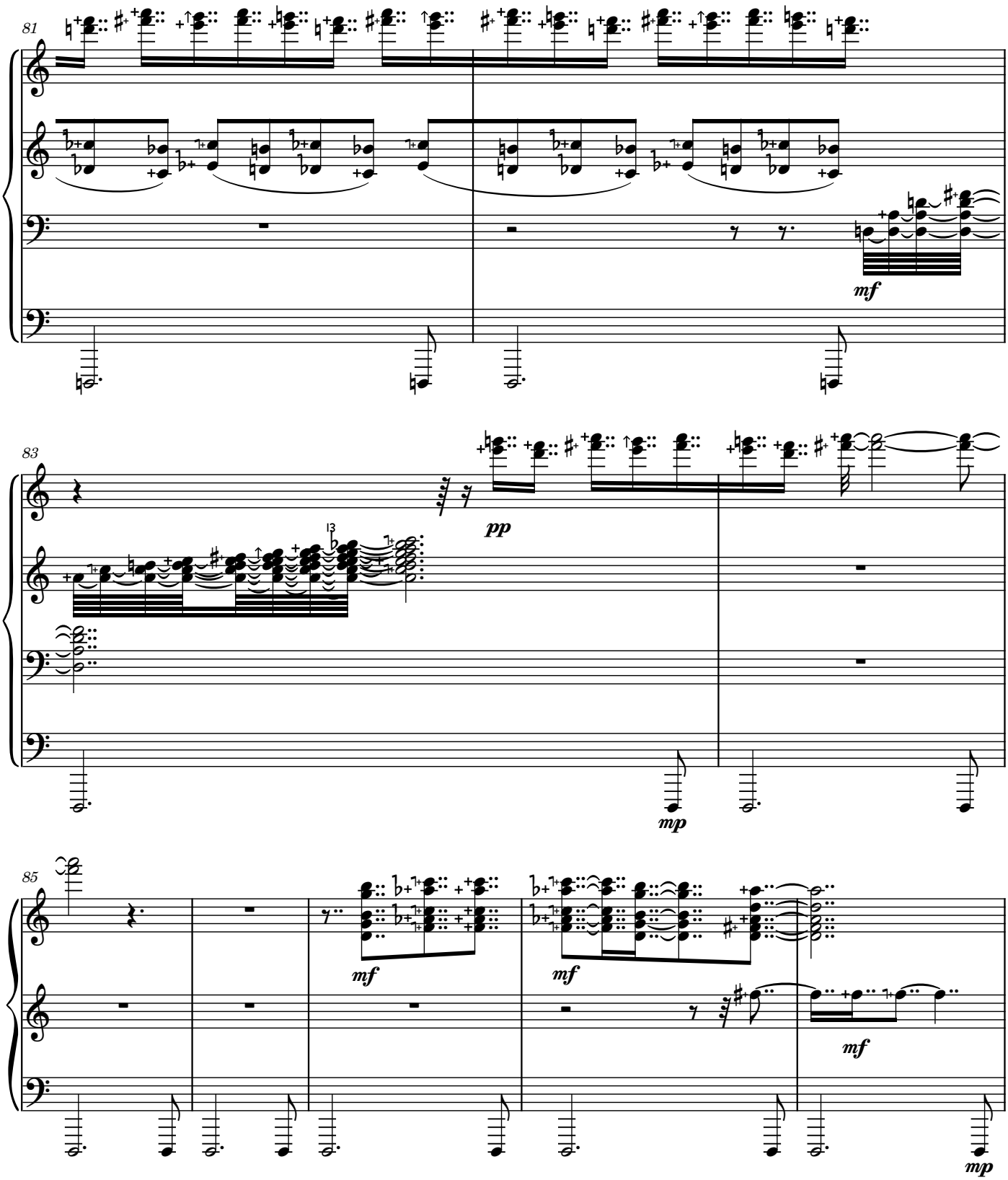

41
3
Ped.
44
3
(Ped.)
Ped.
48
9:7
p
9:7
p
9:7
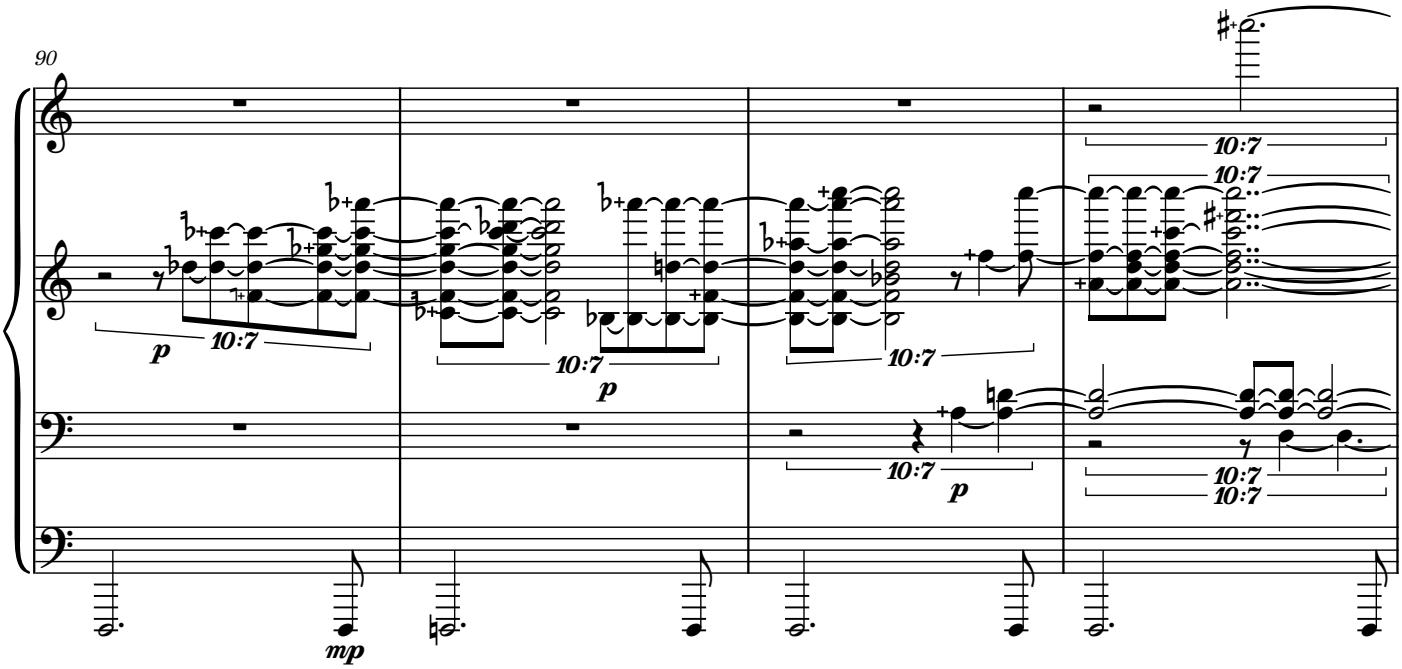

51
9:7
9:7
mp
f
f
56
7:5
mp
mp
6:5
mp
p
11:7
p
Ped.
60
9
p
9
9
13:7
13:7
13:7
11:7
11:7
11:7

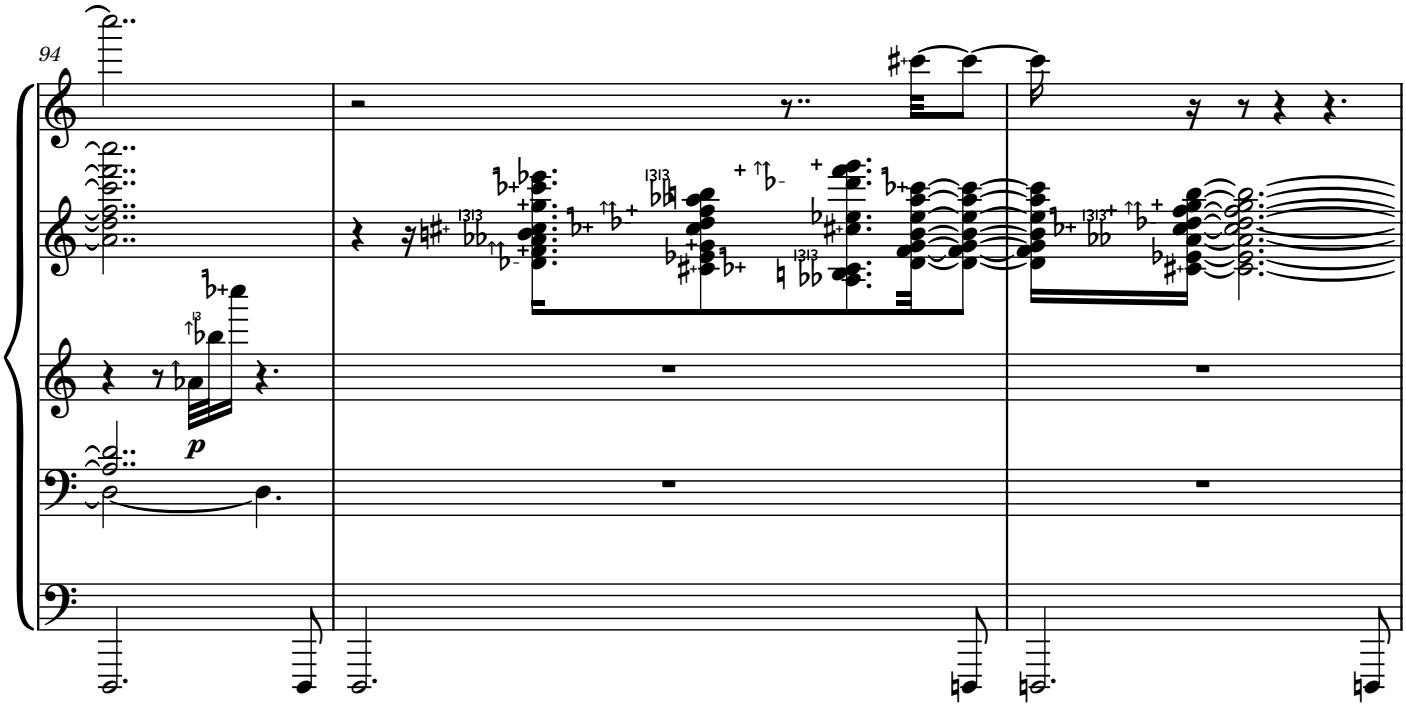

63
9
13:7
11:7
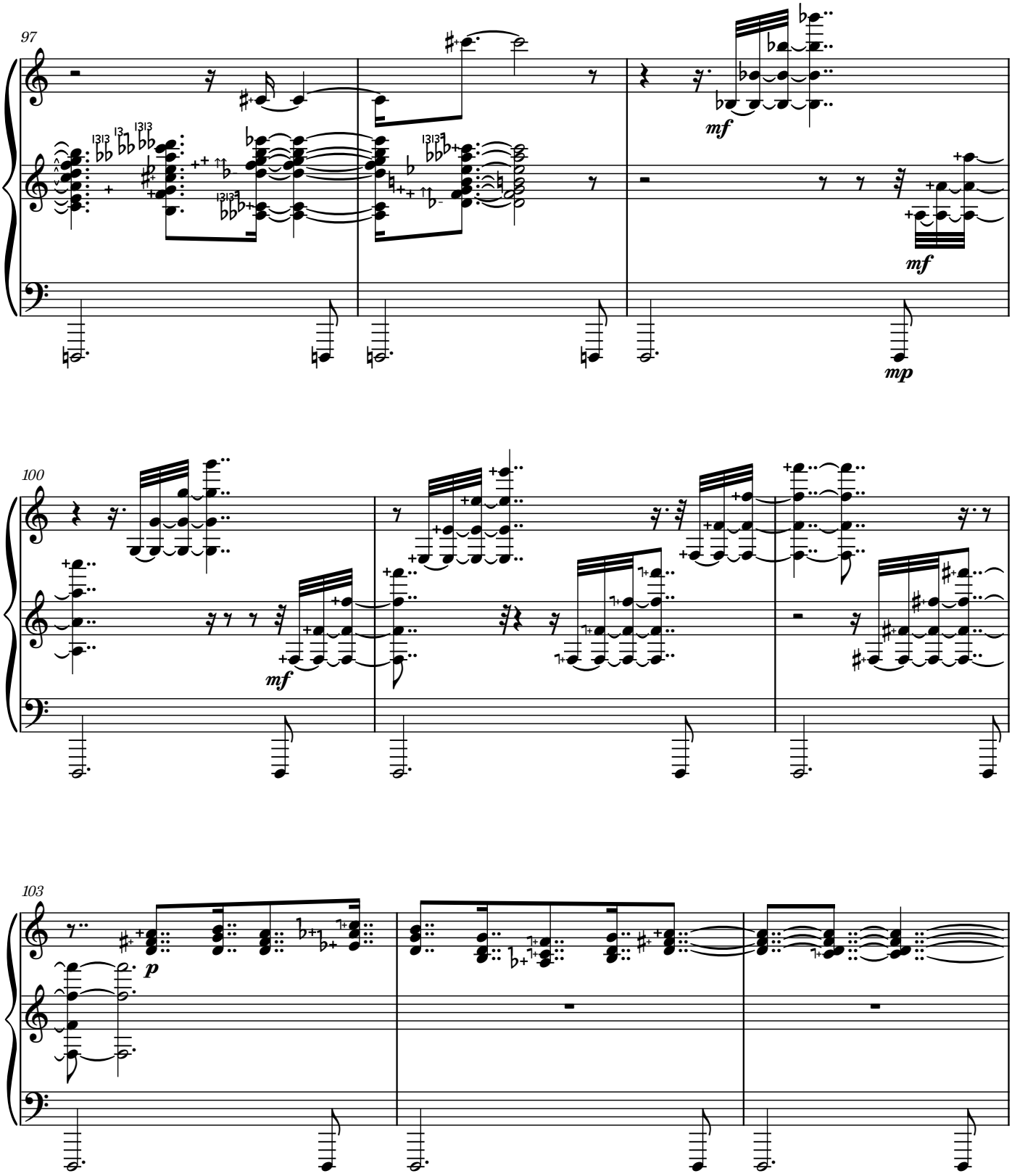

66
9
13
11
mf
ff
ff

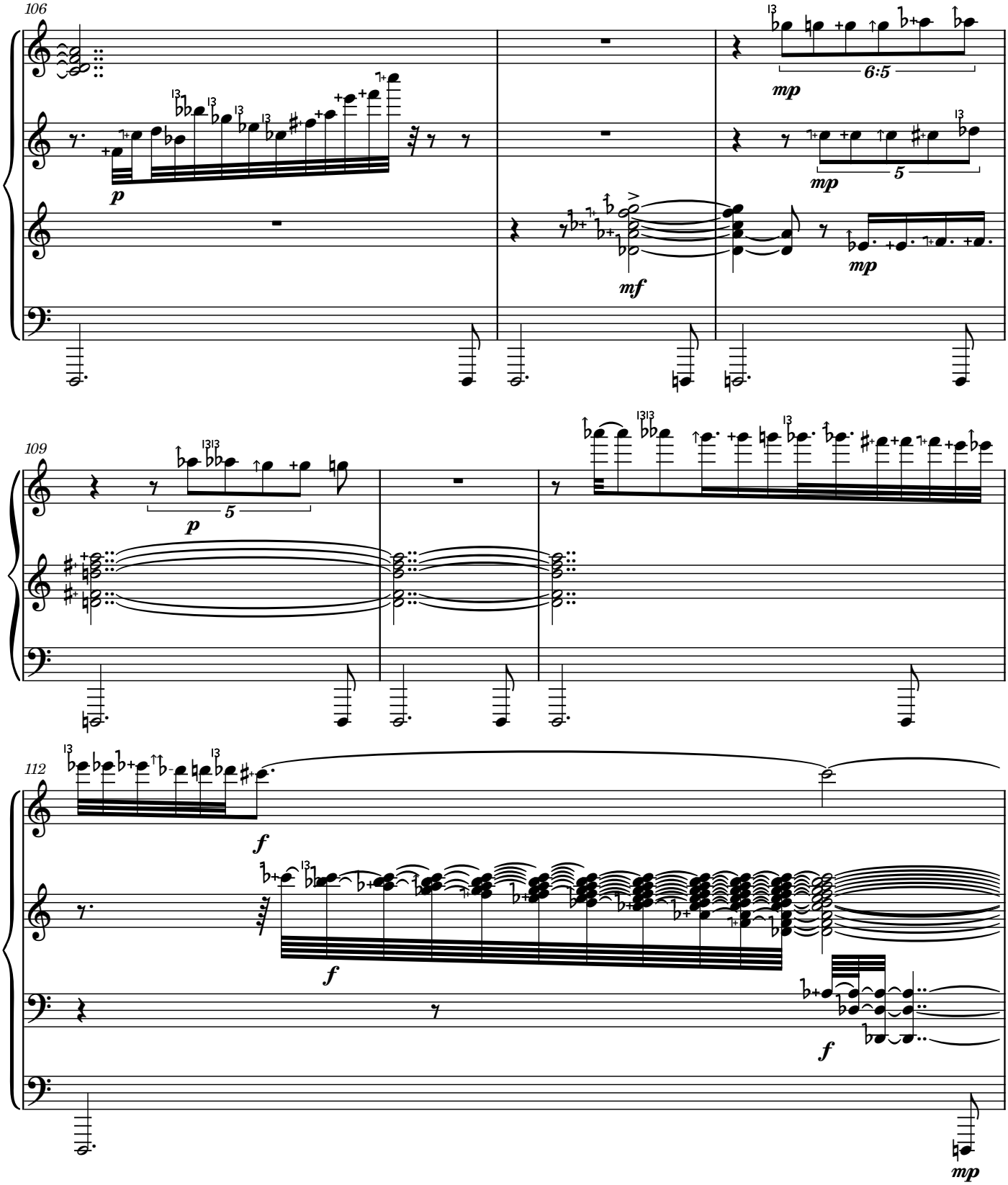

69
mp
mp
f
f
74
mp
p
p
79
pp

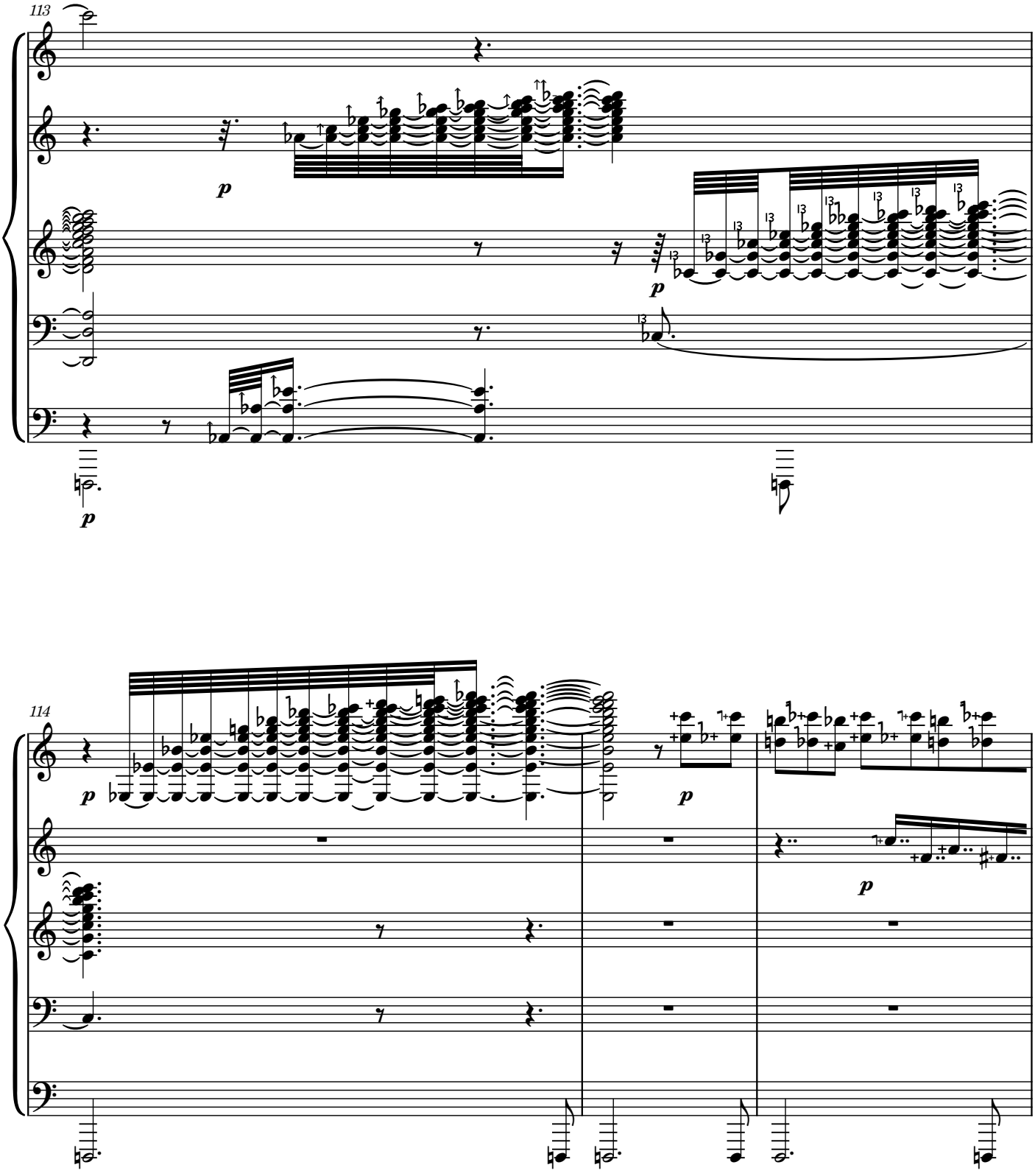

81
mf
83
pp
mp
85
mf
mf
mf
mp

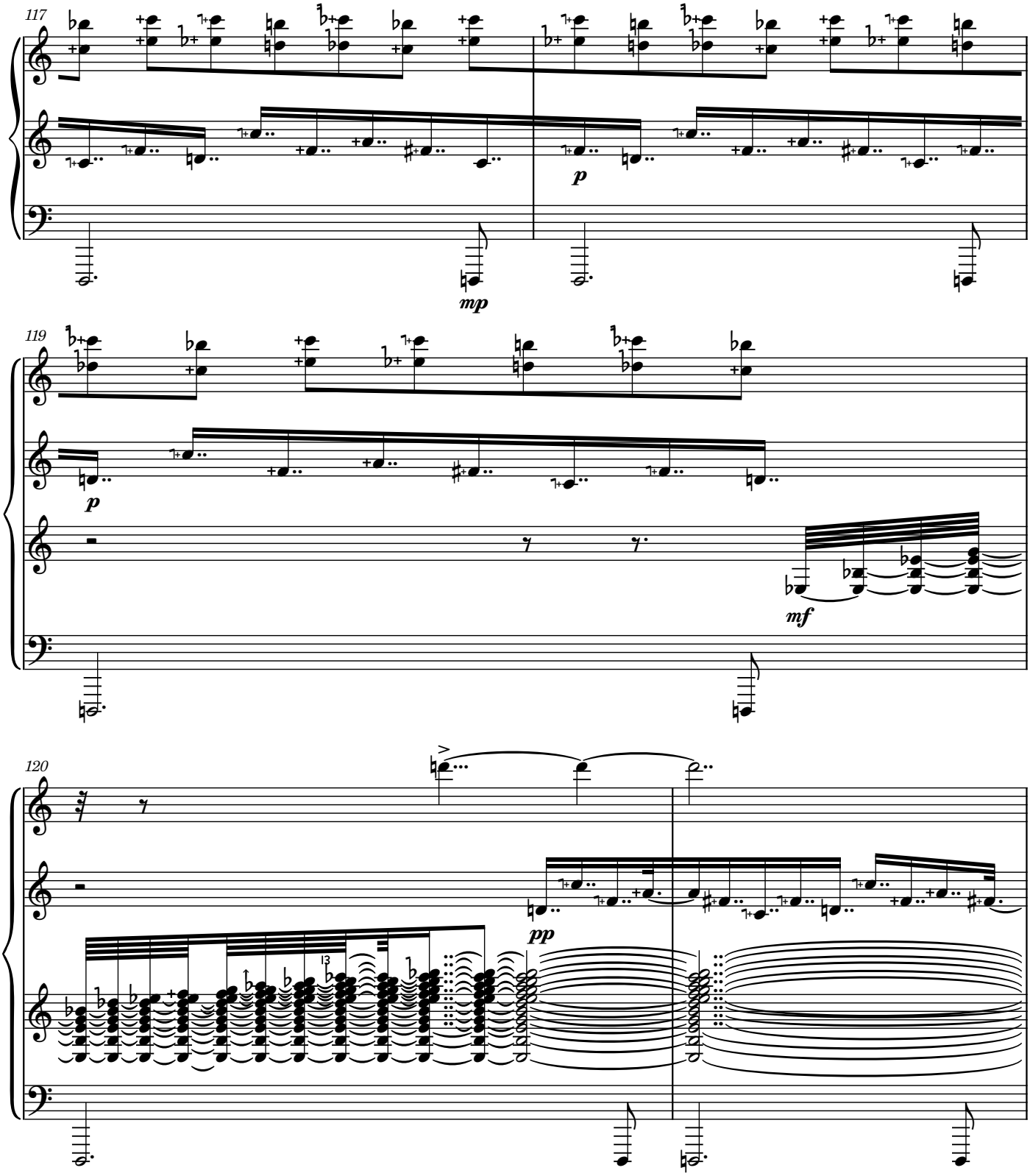

90
10:7
10:7
10:7
10:7
10:7
10:7
10:7
p
p
p
mp
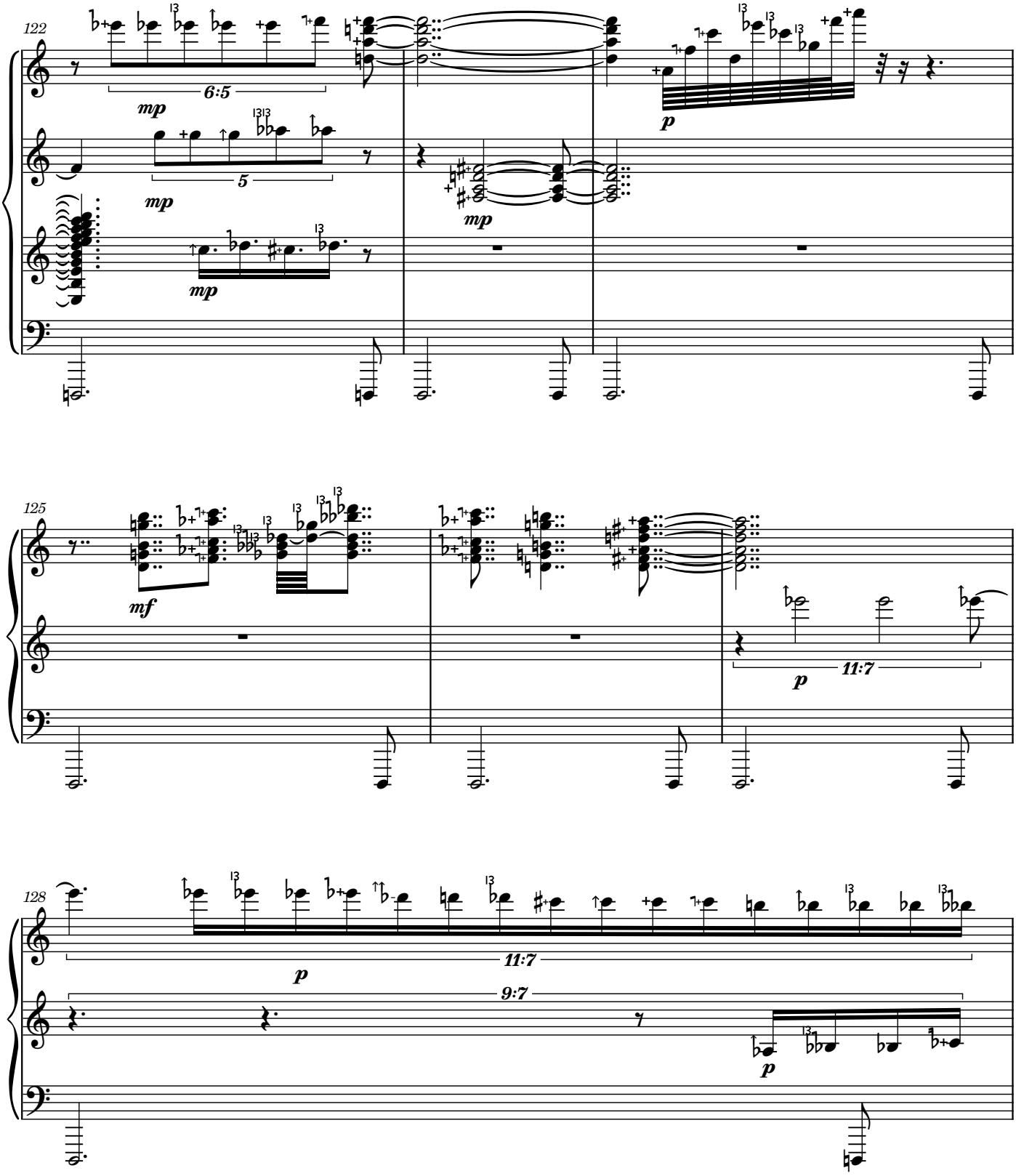

94
p
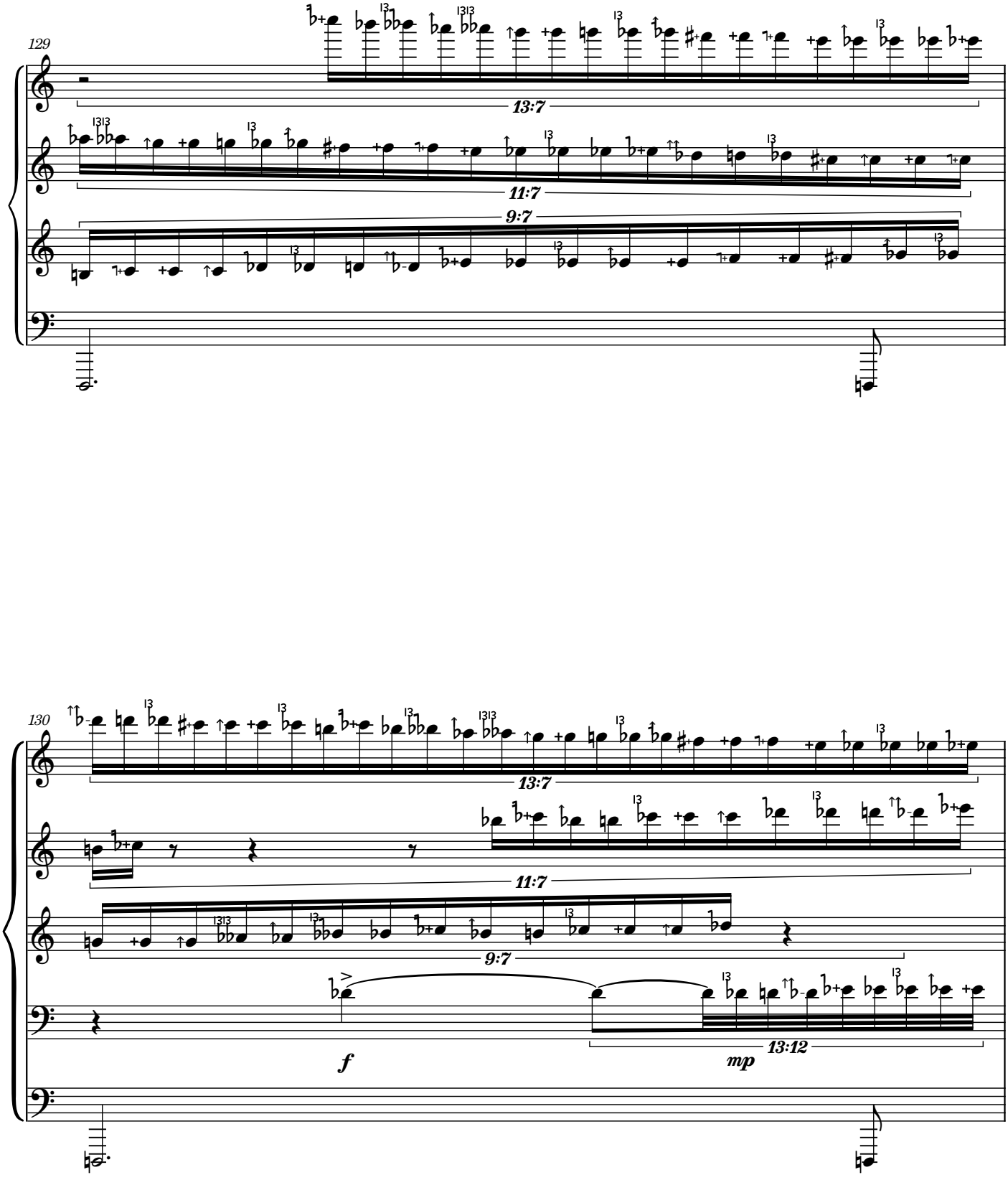

97
mf
mf
mp
100
mf
103
p

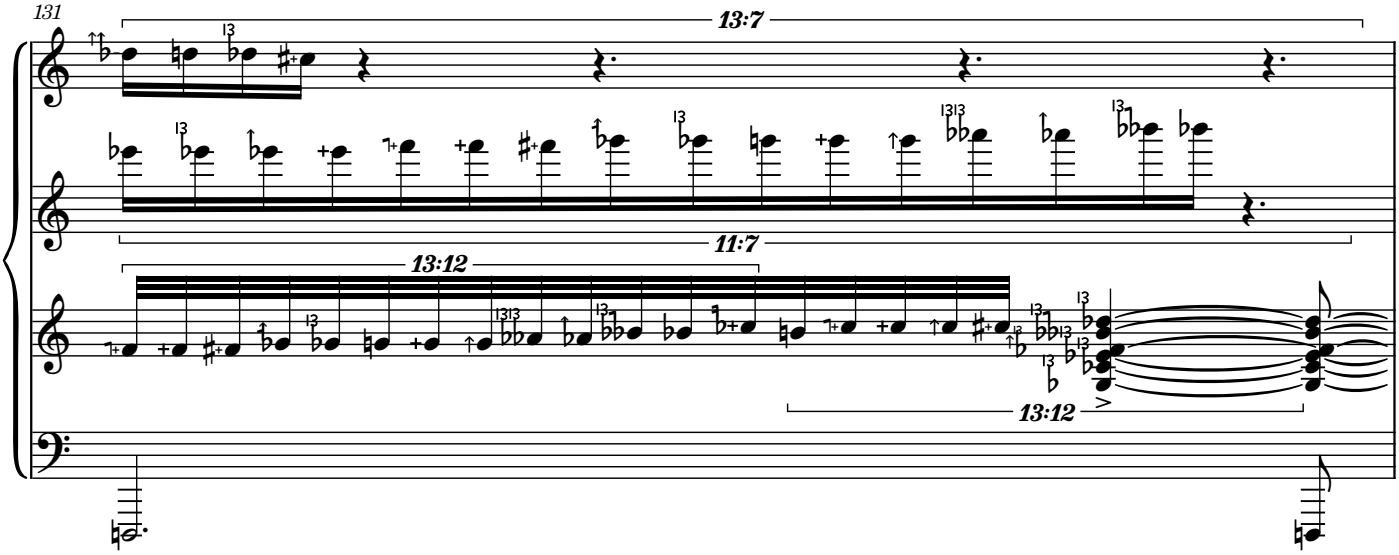

106
p
6:5
mp
5
mp
mf
mp
109
p
5
112
f
f
f
mp

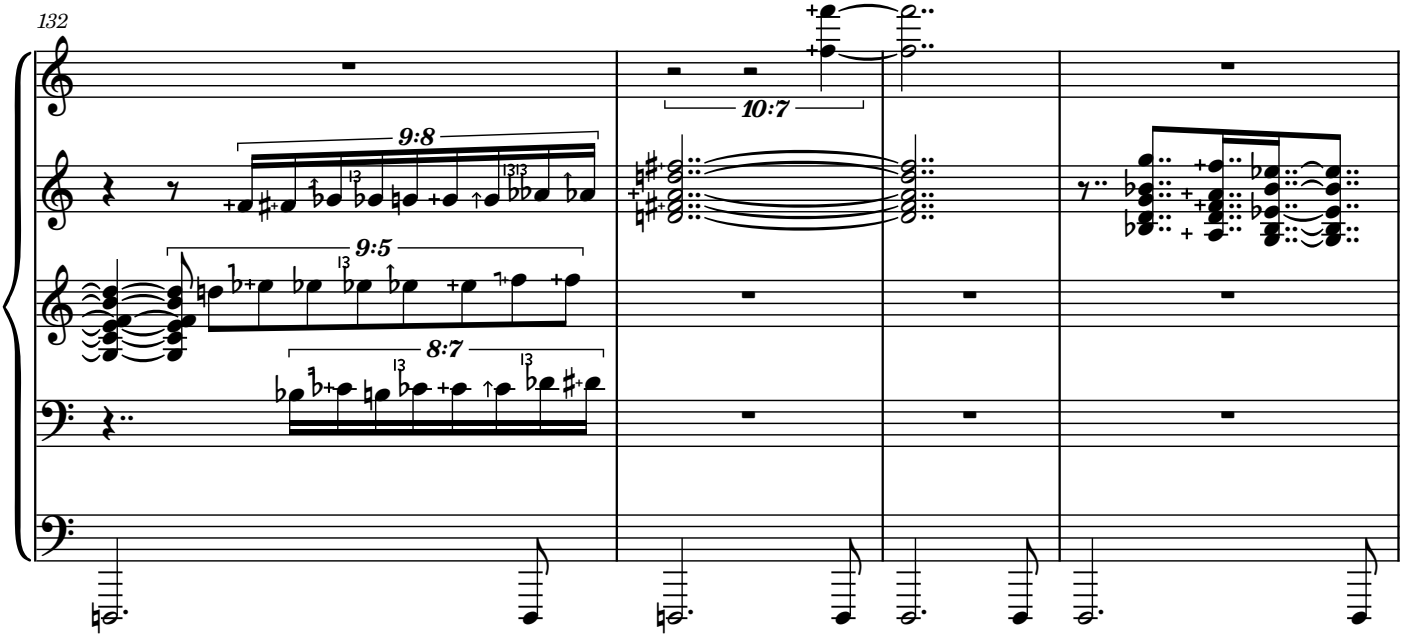

113
p
p
p
114
p
p
p

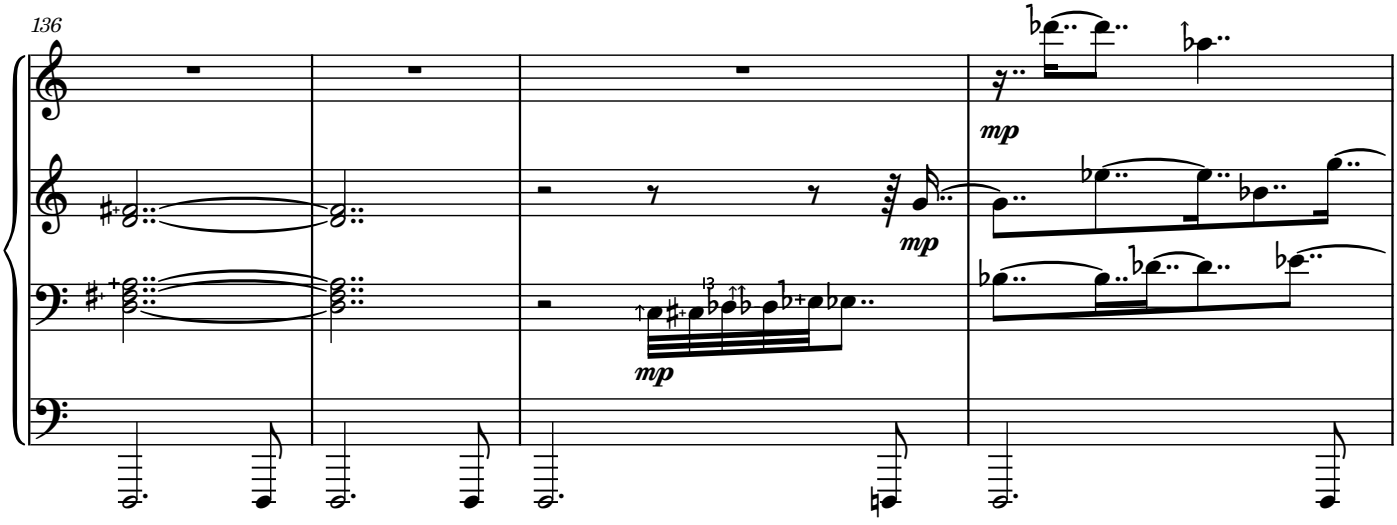

117
p
mp
119
p
mf
120
pp

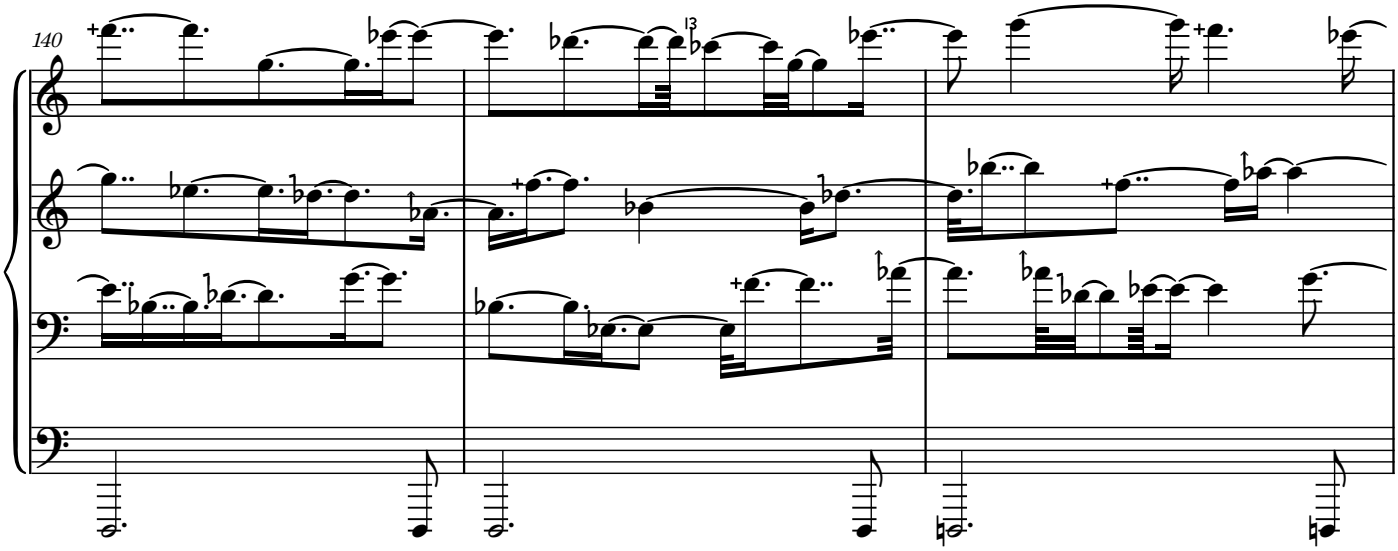

122
6:5
mp
5
mp
mp
mp
p
125
mf
p
11:7
128
11:7
p
9:7
p
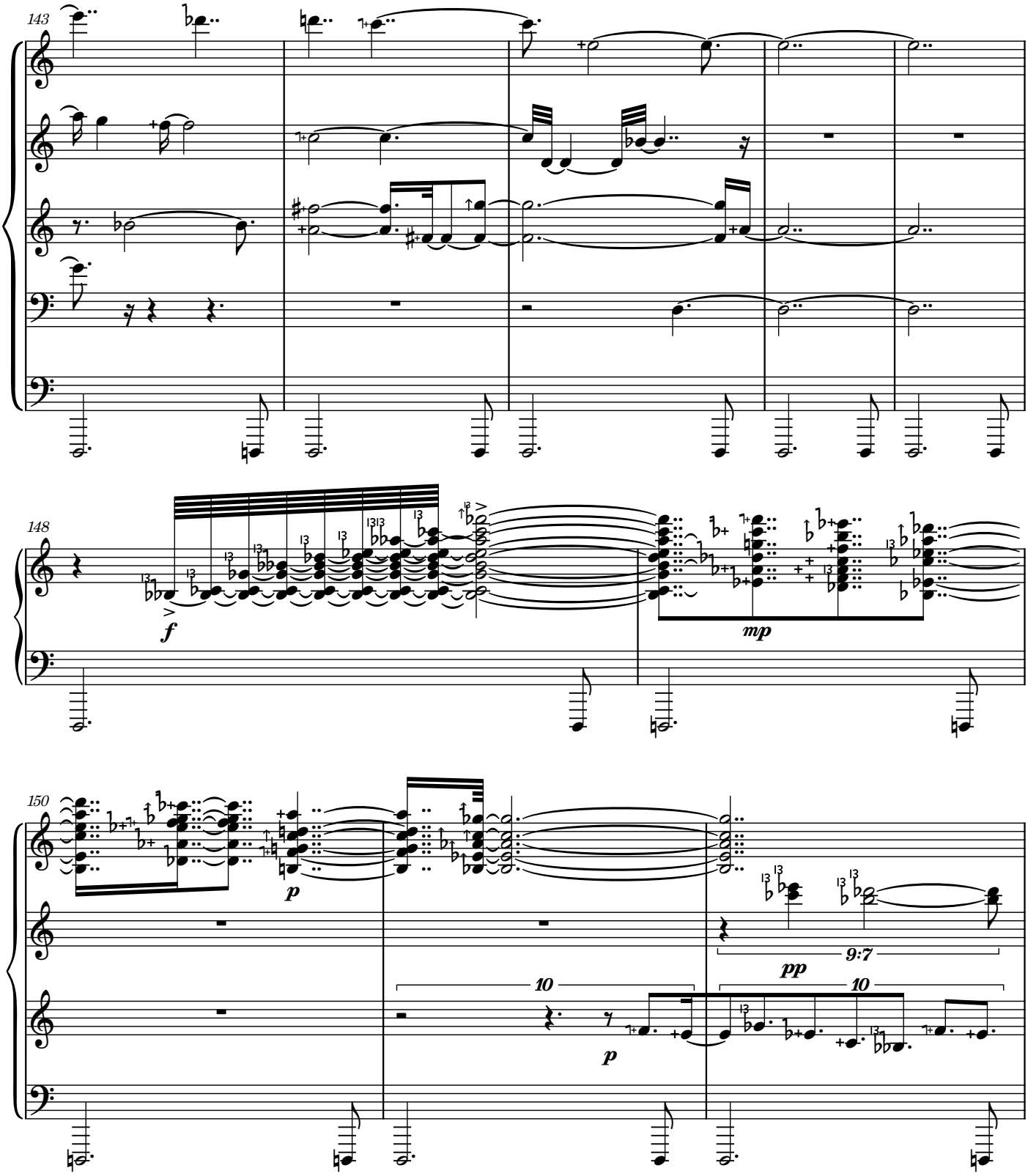

129
13:7
11:7
9:7
130
13:7
11:7
9:7
f
mp
13:12
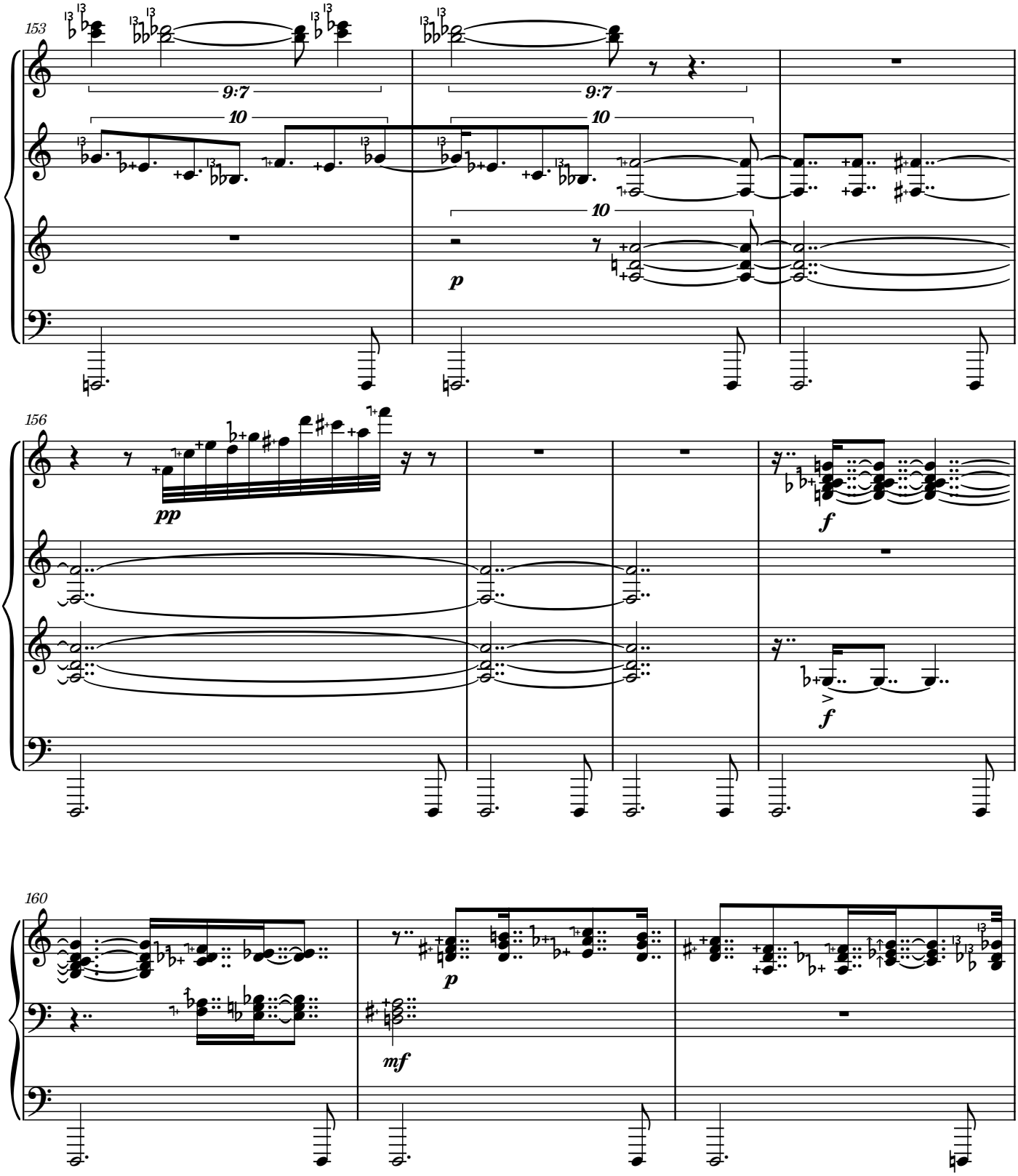

131
13:7
11:7
13:12
13:12
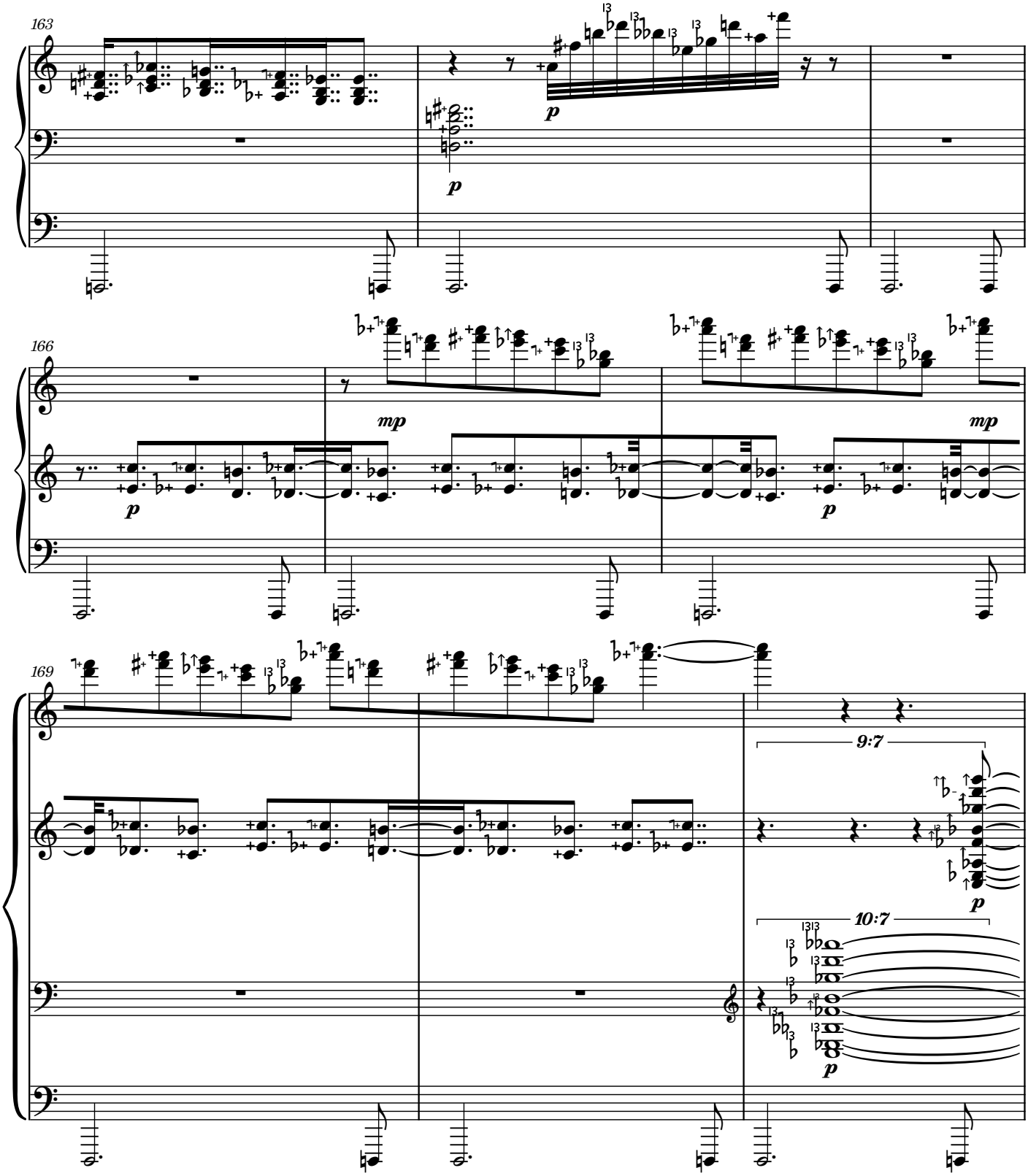

132
9:8
9:5
8:7
10:7

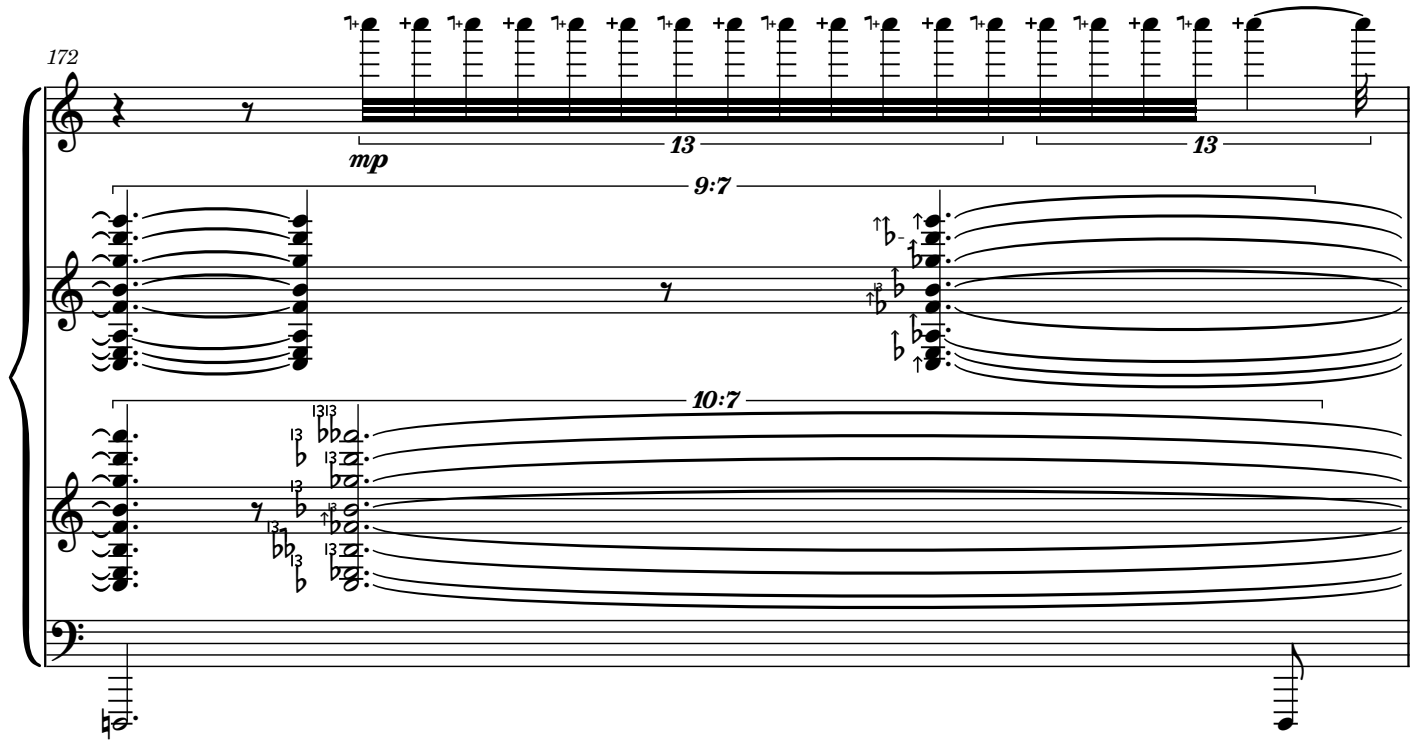

136
mp
mp
mp

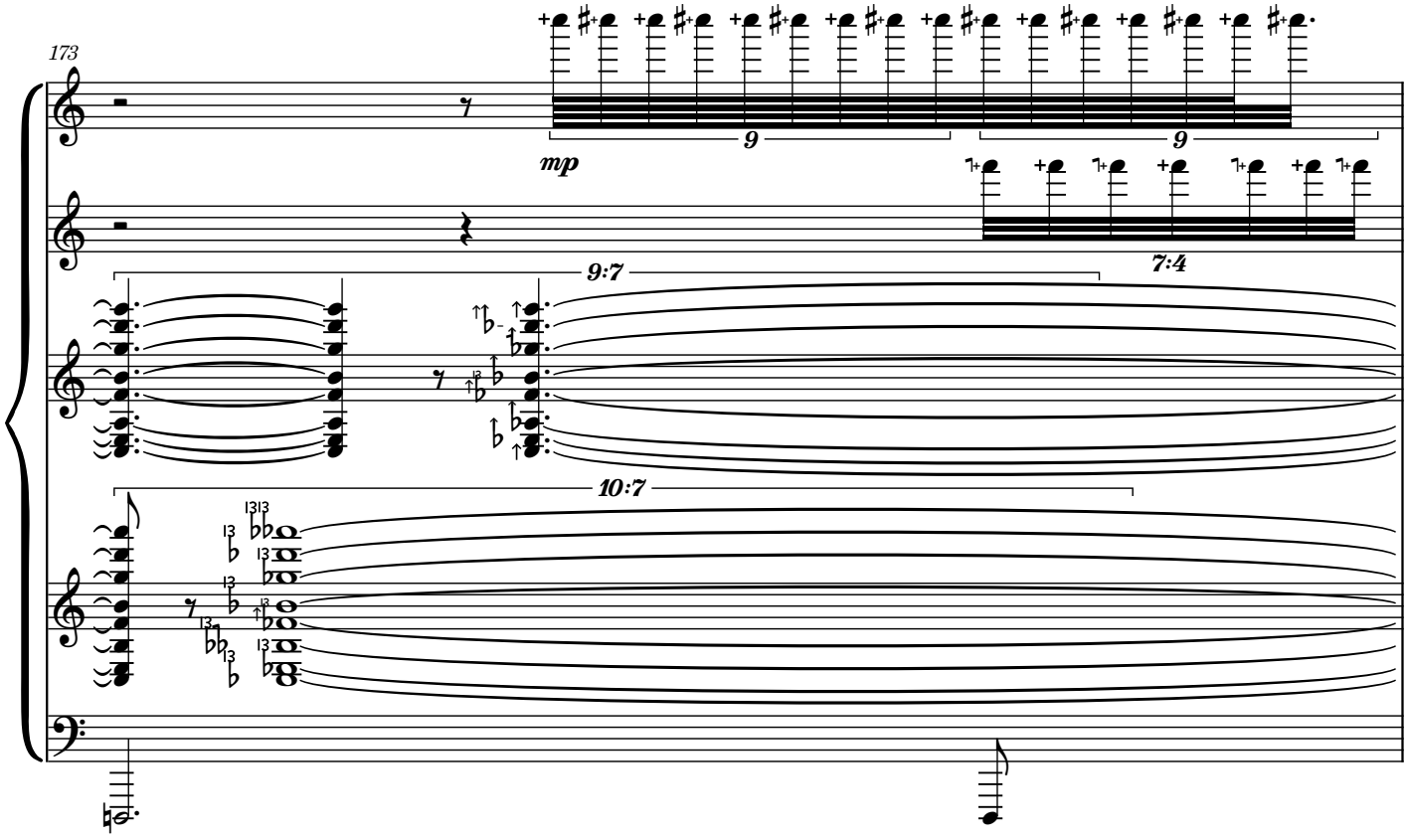

140

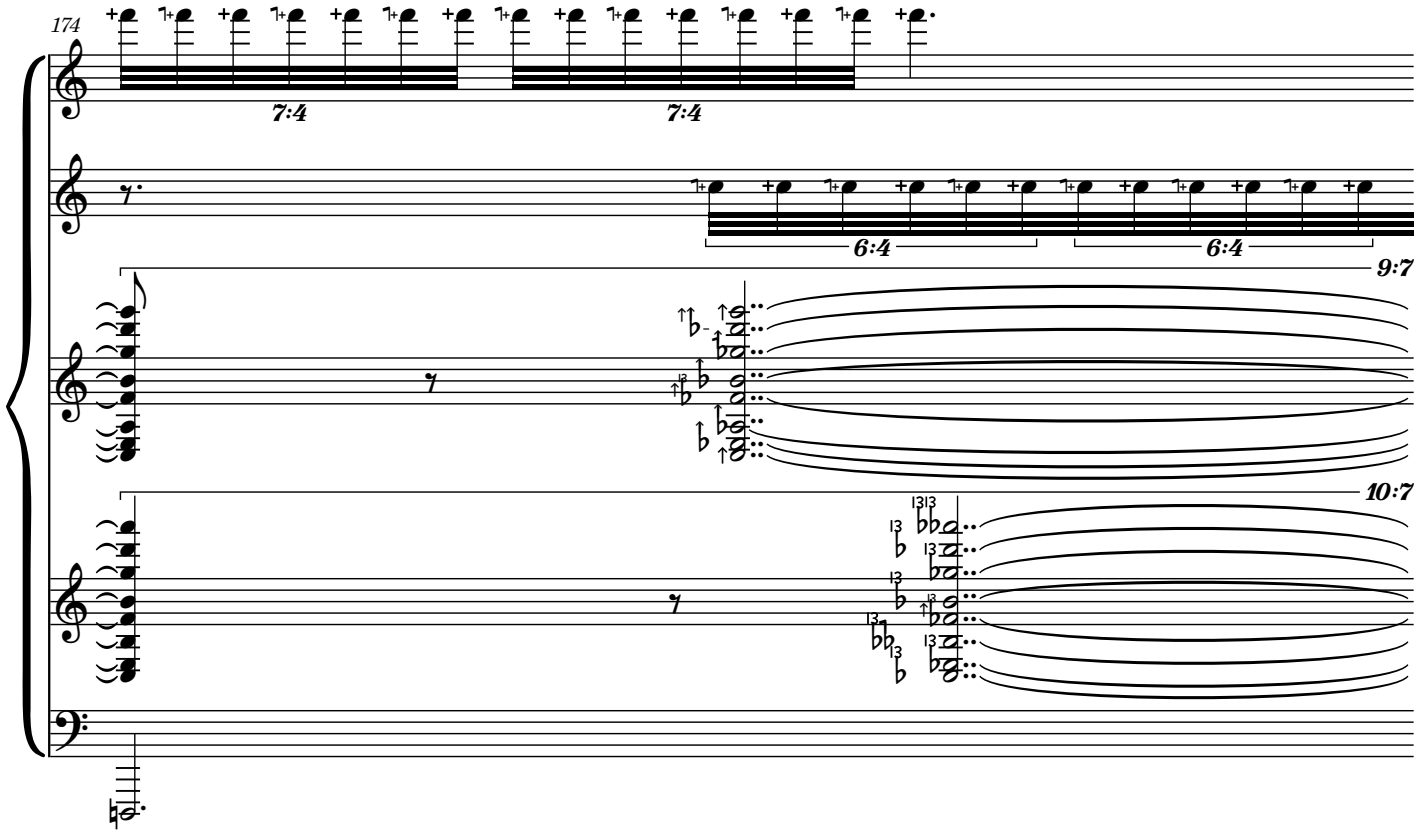

143
148
f
mp
150
p
10
p
pp
9:7
10

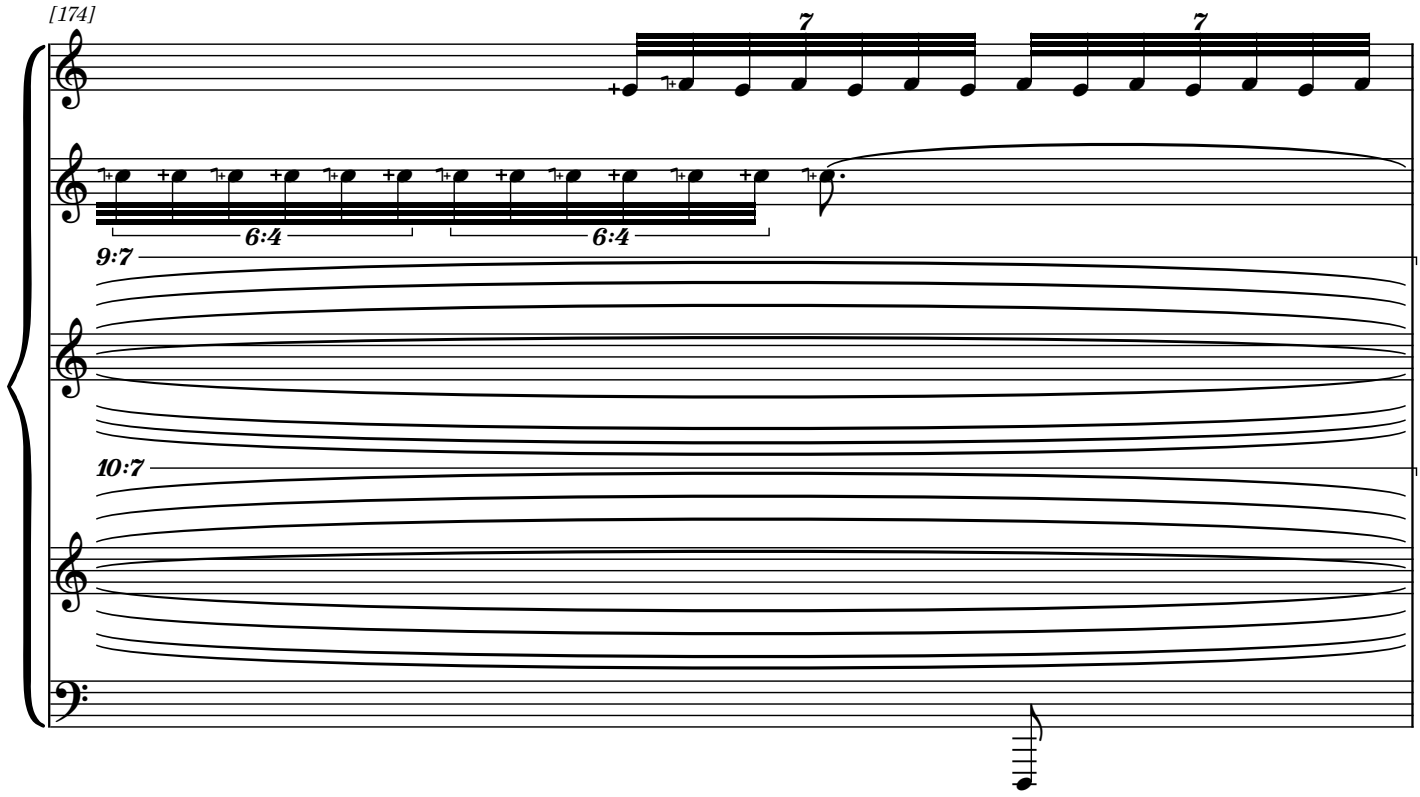

153
9:7
10
9:7
10
10
p
156
pp
f
f
160
p
mf

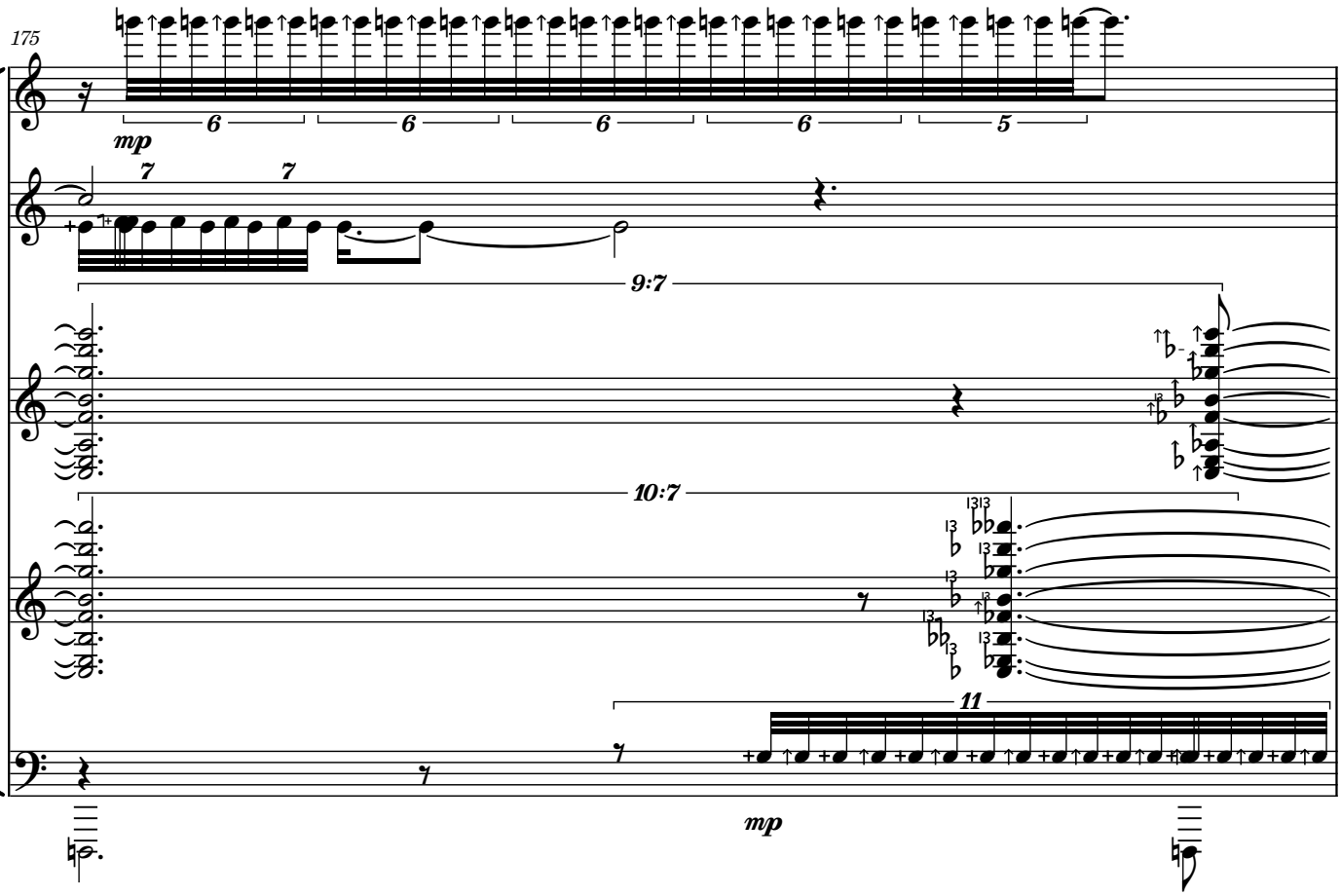

163
p
p
166
mp
p
mp
p
169
9:7
p
10:7
p

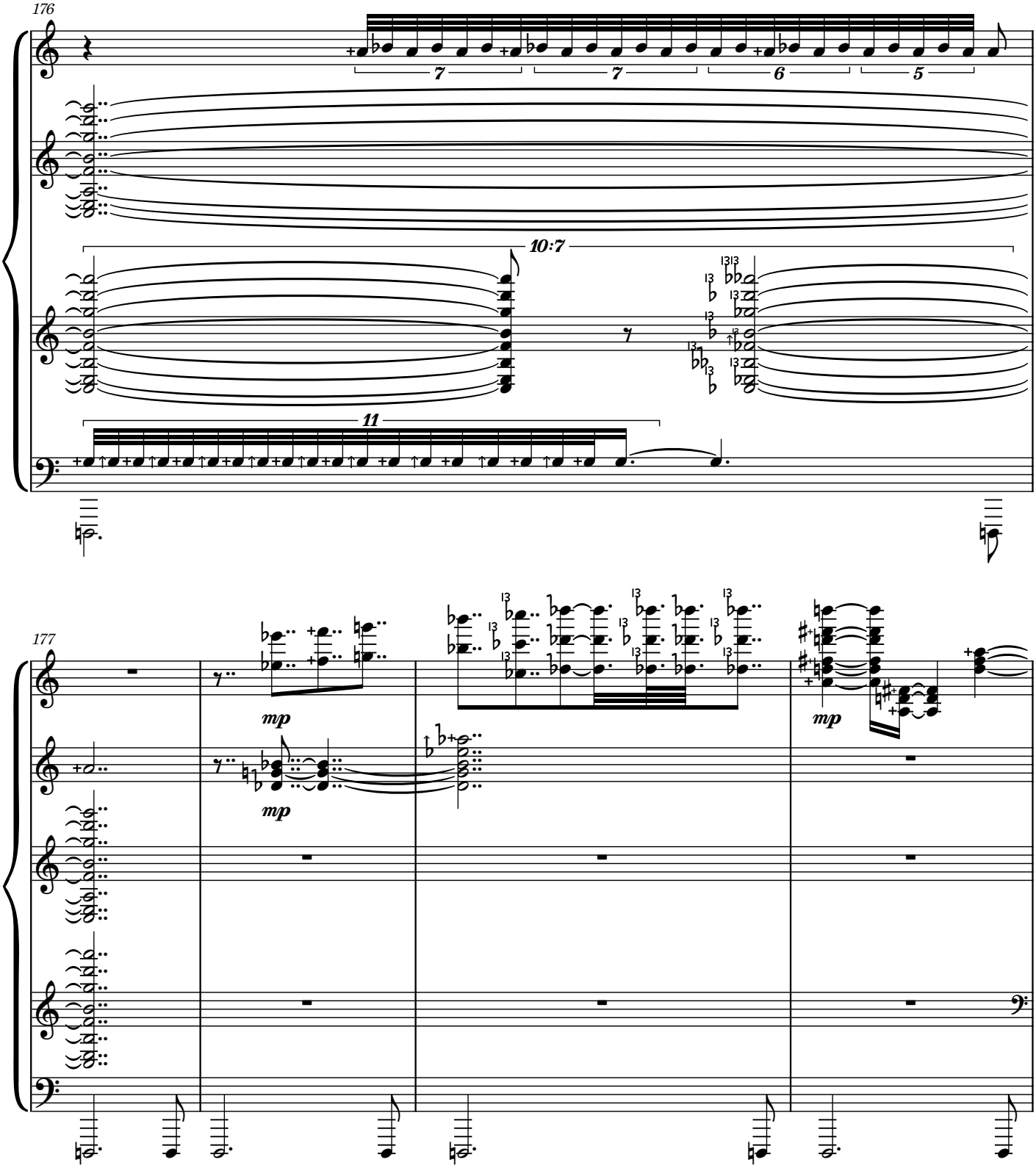

172
mp
13
13
9:7
10:7

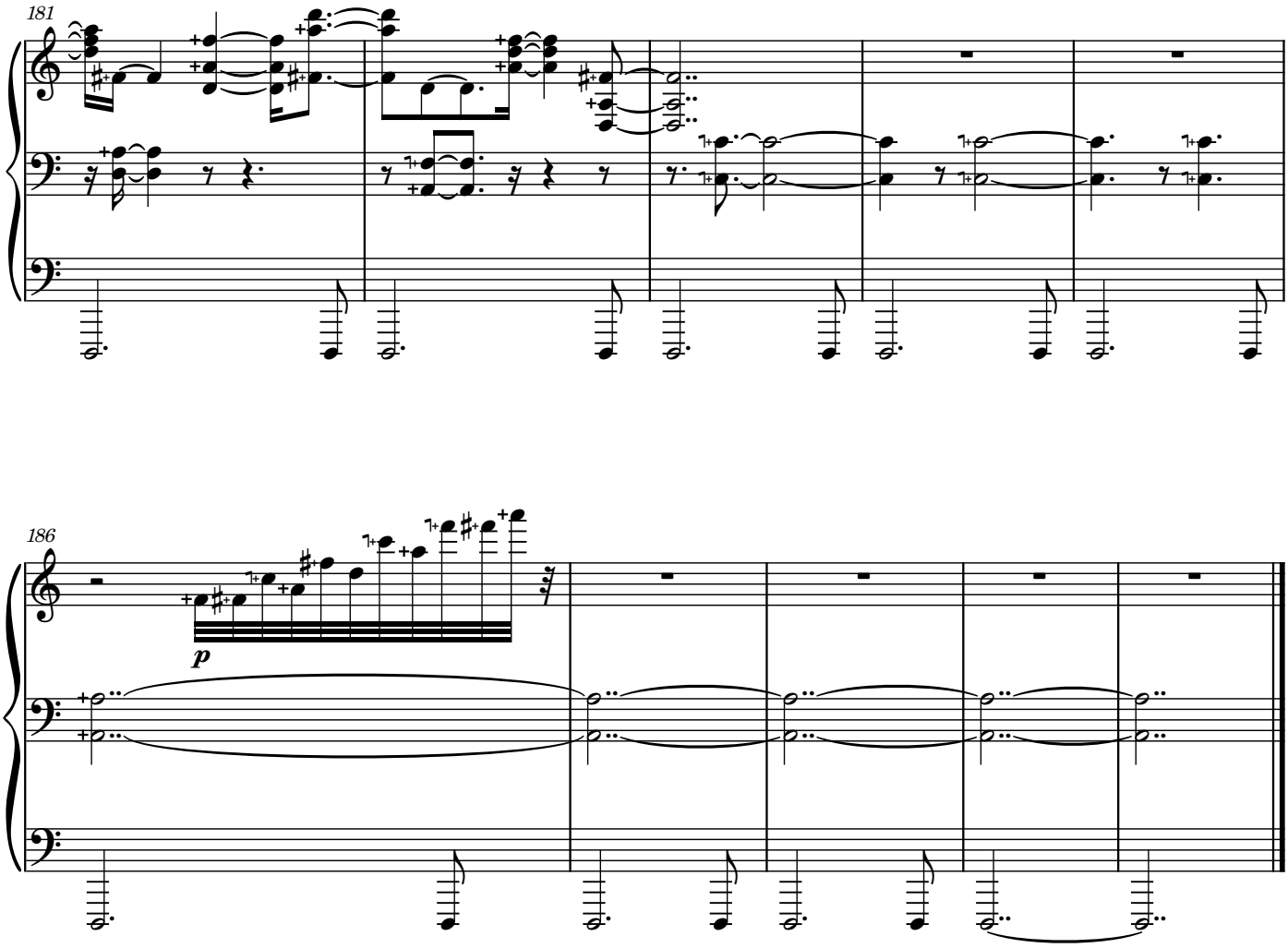

173
mp
9
9
7:4
9:7
10:7


174
7:4
7:4
6:4
6:4
9:7
10:7


[174]
7
7
6:4
6:4
9:7
10:7


175
mp
6
6
6
6
5
7
7
9:7
10:7
11
mp
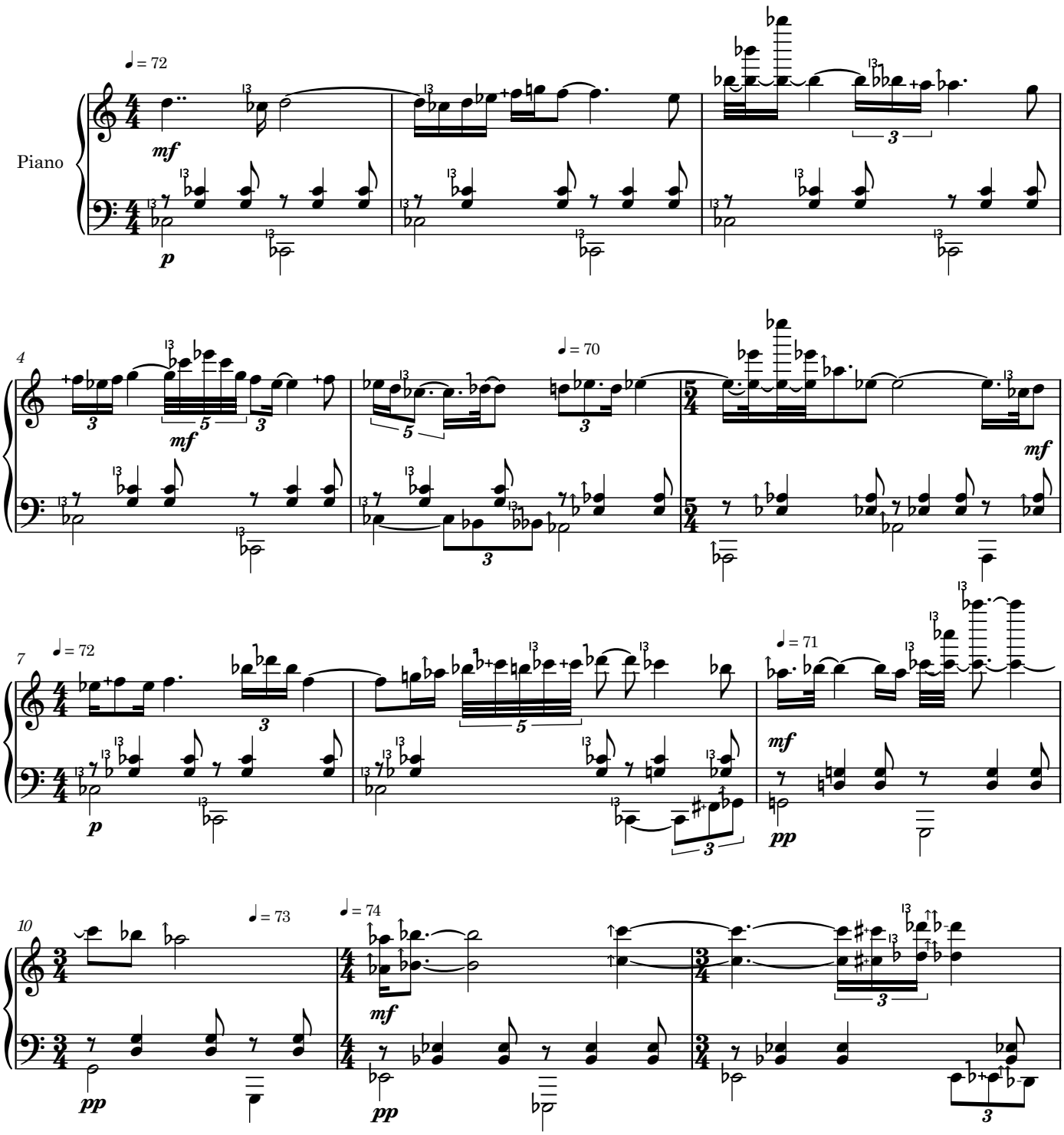

176
7
7
6
5
10:7
7
11
177
mp
mp
mp
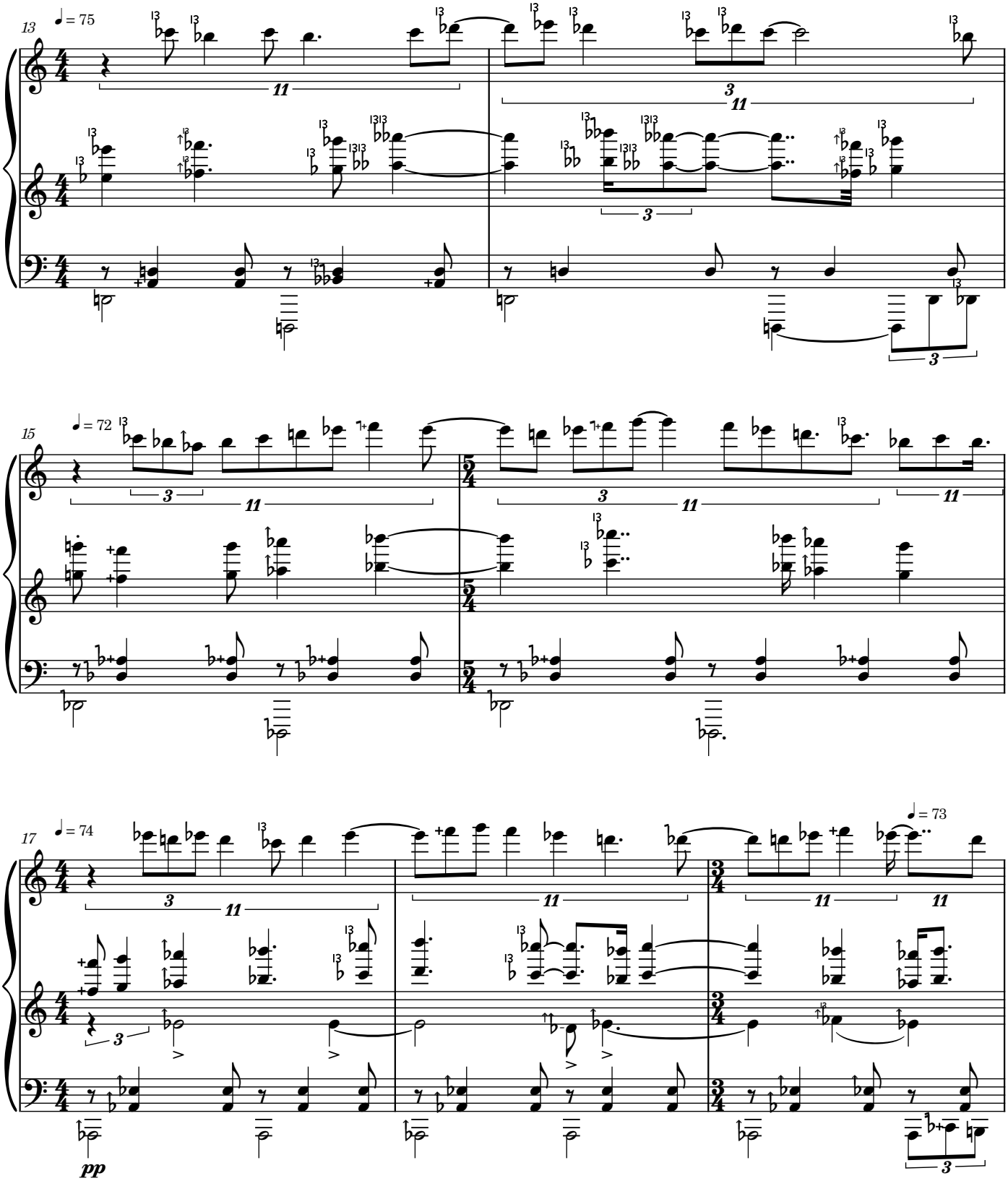


July 16 - August 10, 2021
Germantown, NY
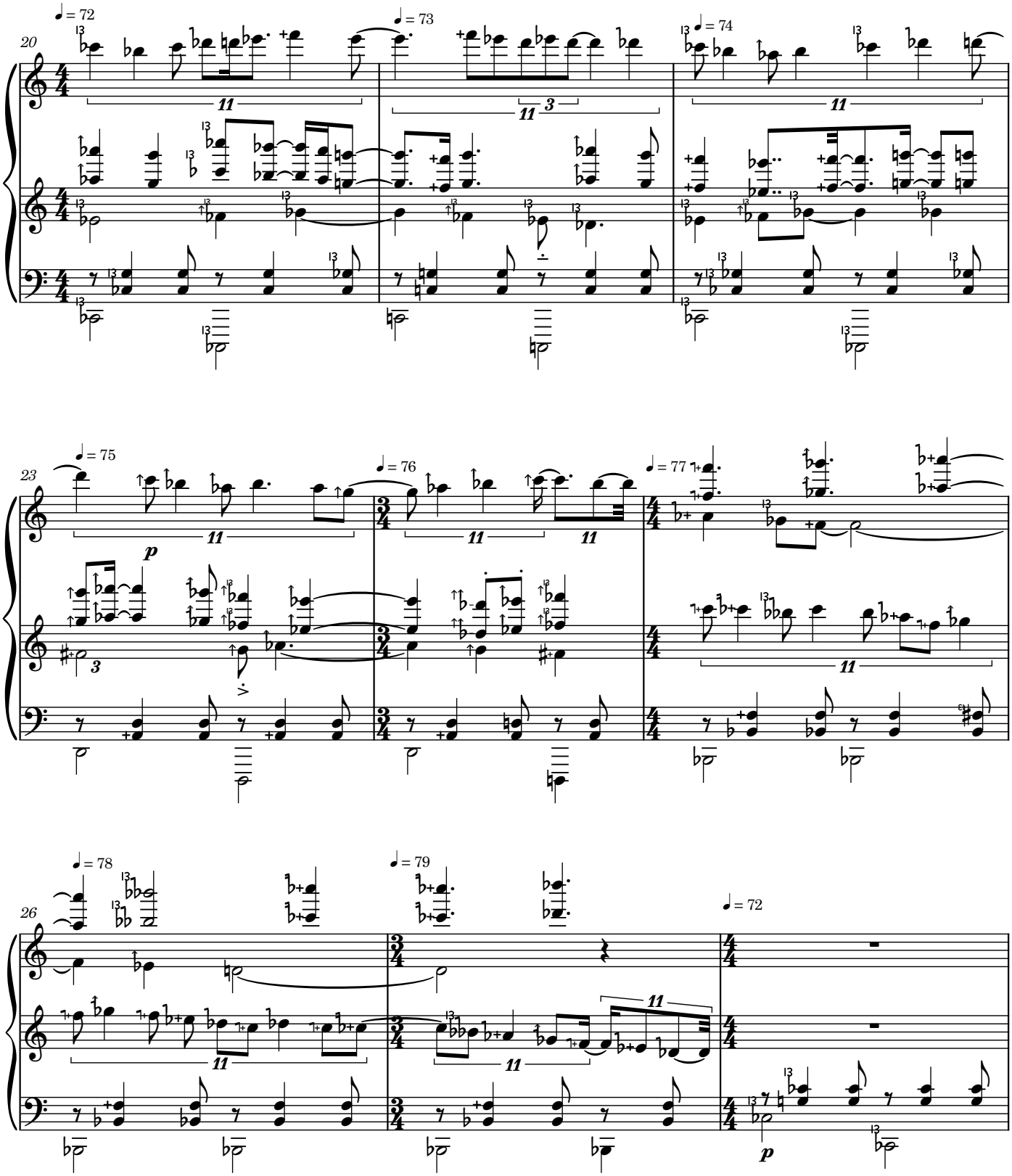
Reverse Gravity
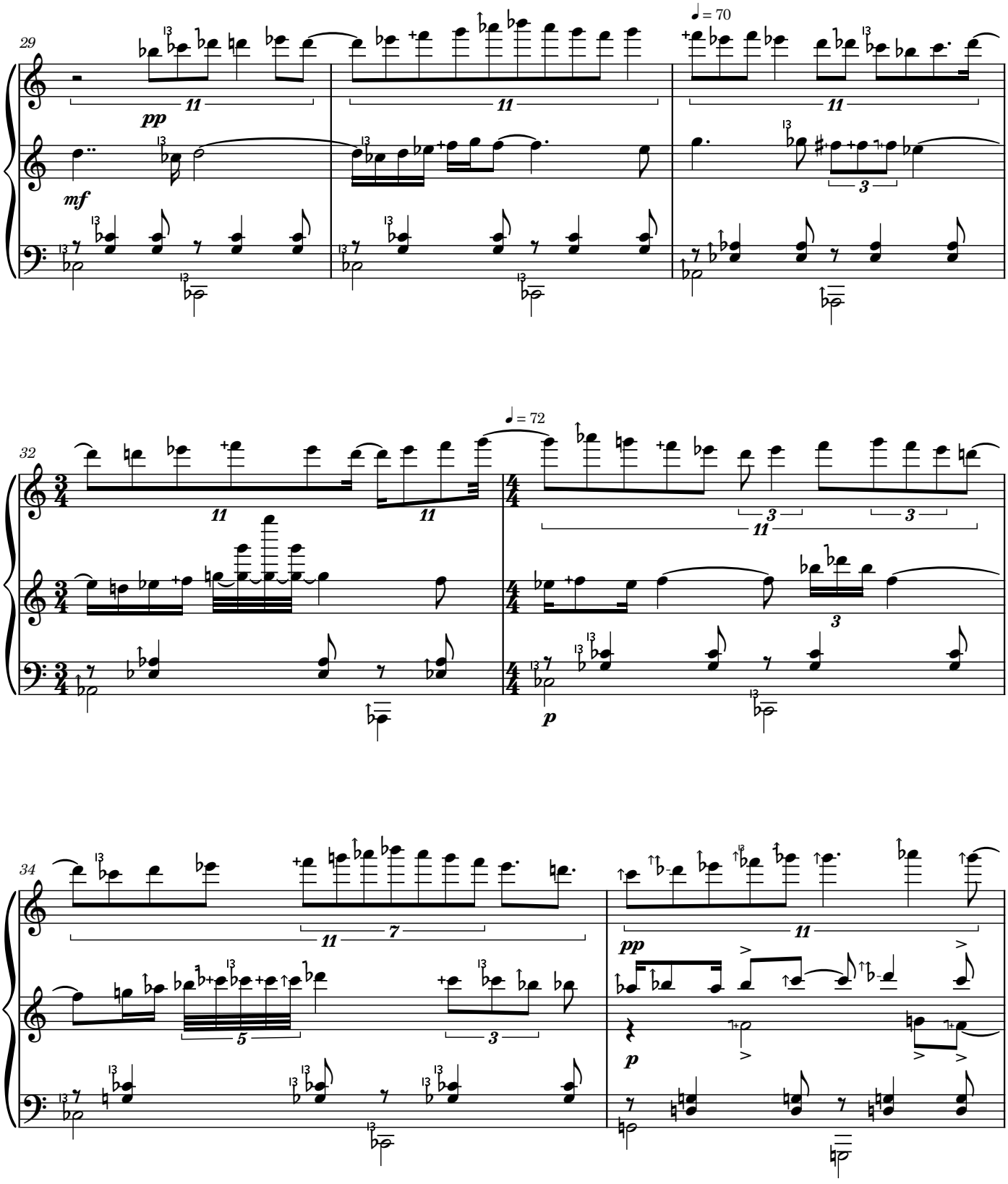
Kyle Gann
2017
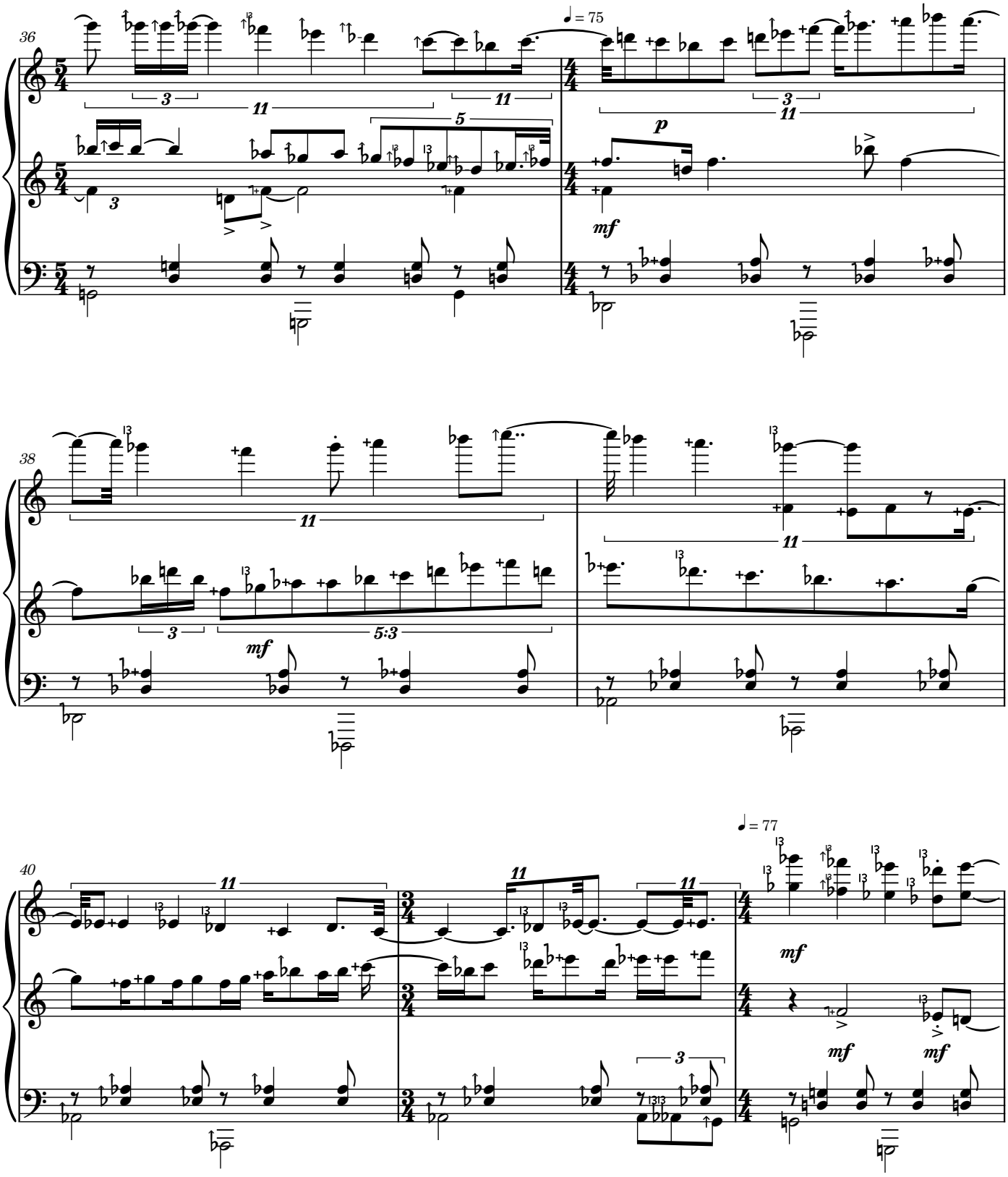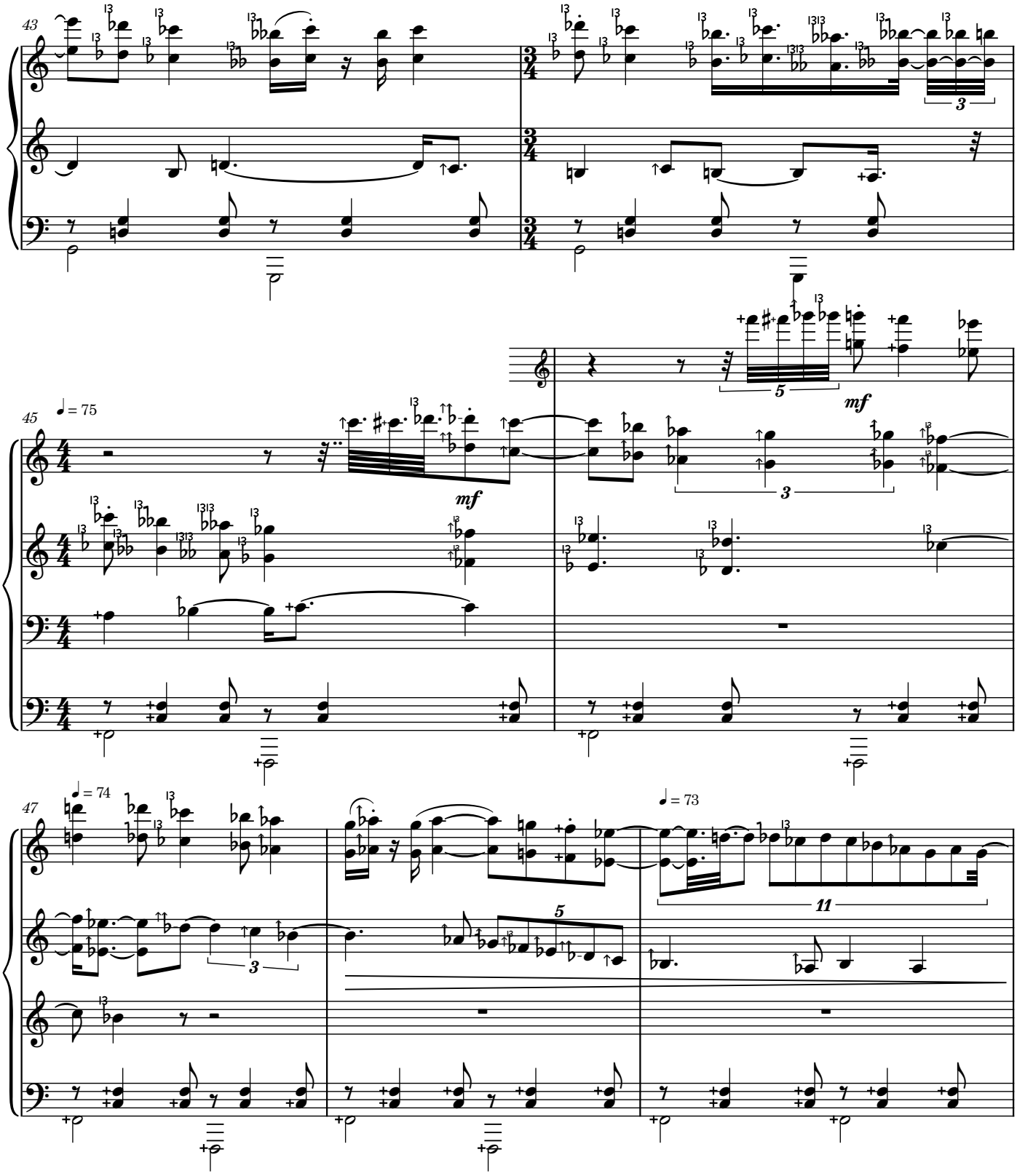


© 2017 Smith Grabholz Music
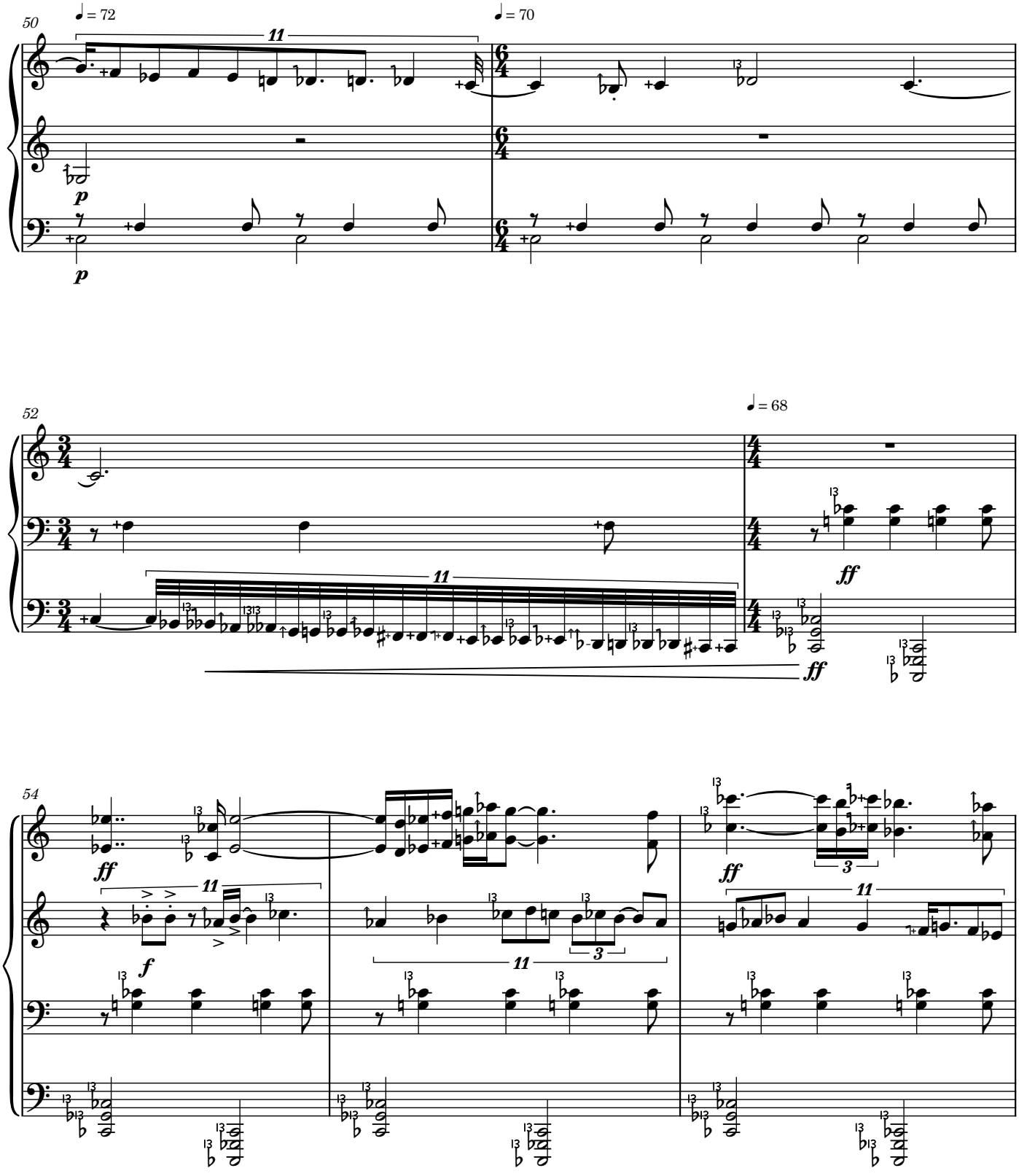

13
♩ = 75
15
♩ = 72
17
♩ = 74
♩ = 73
pp

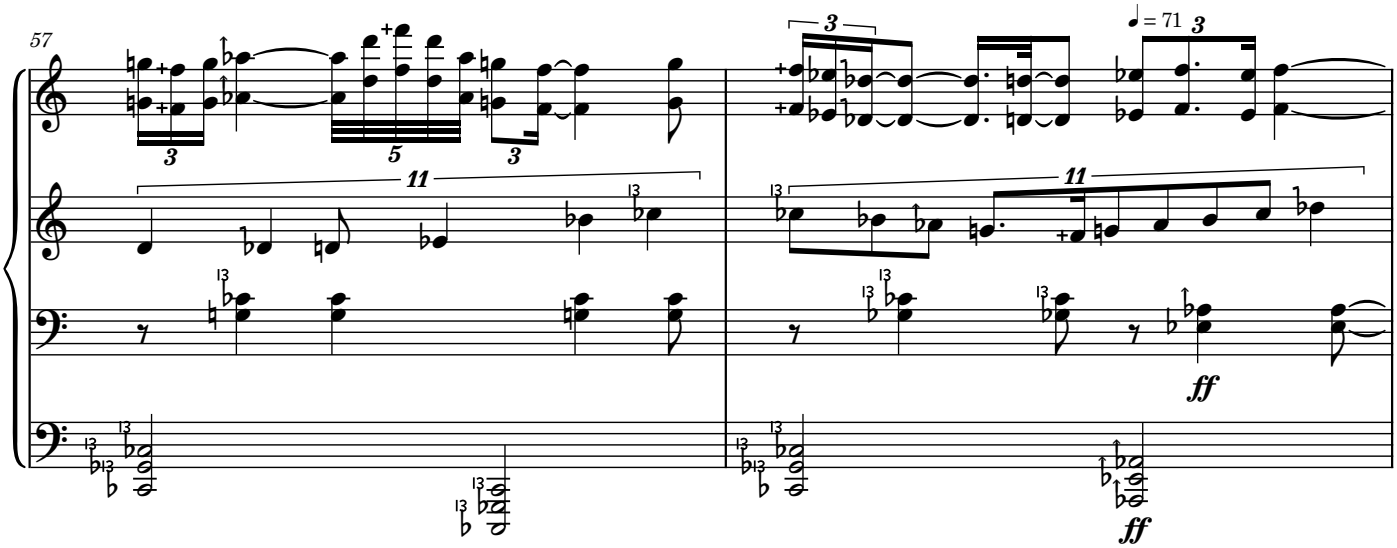

20
♩ = 72
♩ = 73
♩ = 74
23
♩ = 75
♩ = 76
♩ = 77
26
♩ = 78
♩ = 79
♩ = 72
p
p
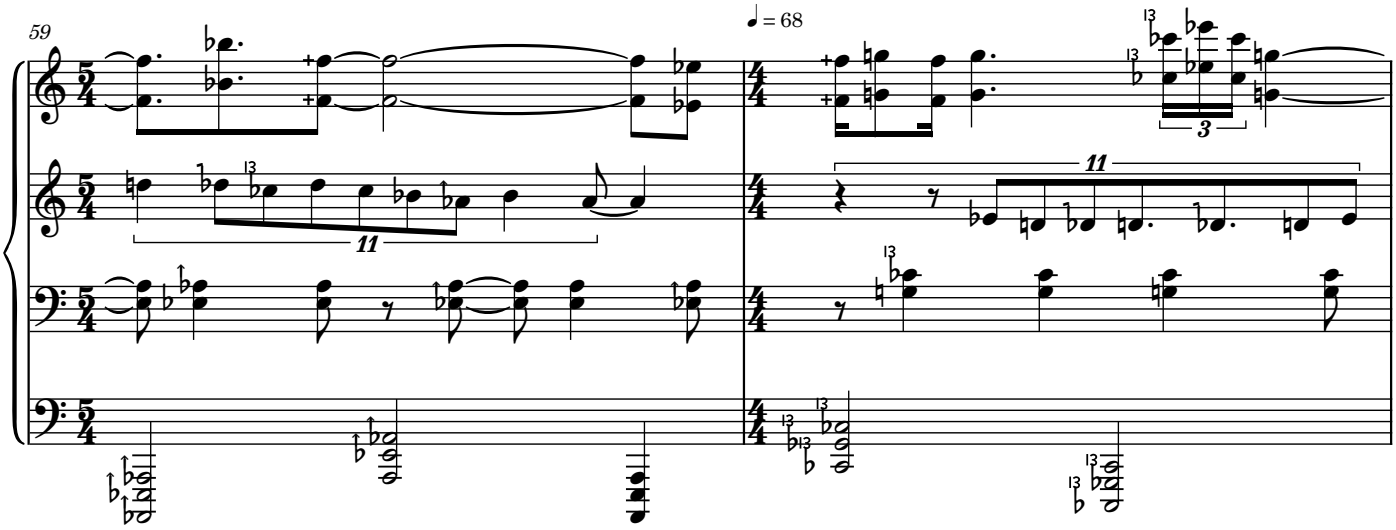

29
pp
mf
11
3
♩ = 70
32
♩ = 72
p
34
7
5
pp
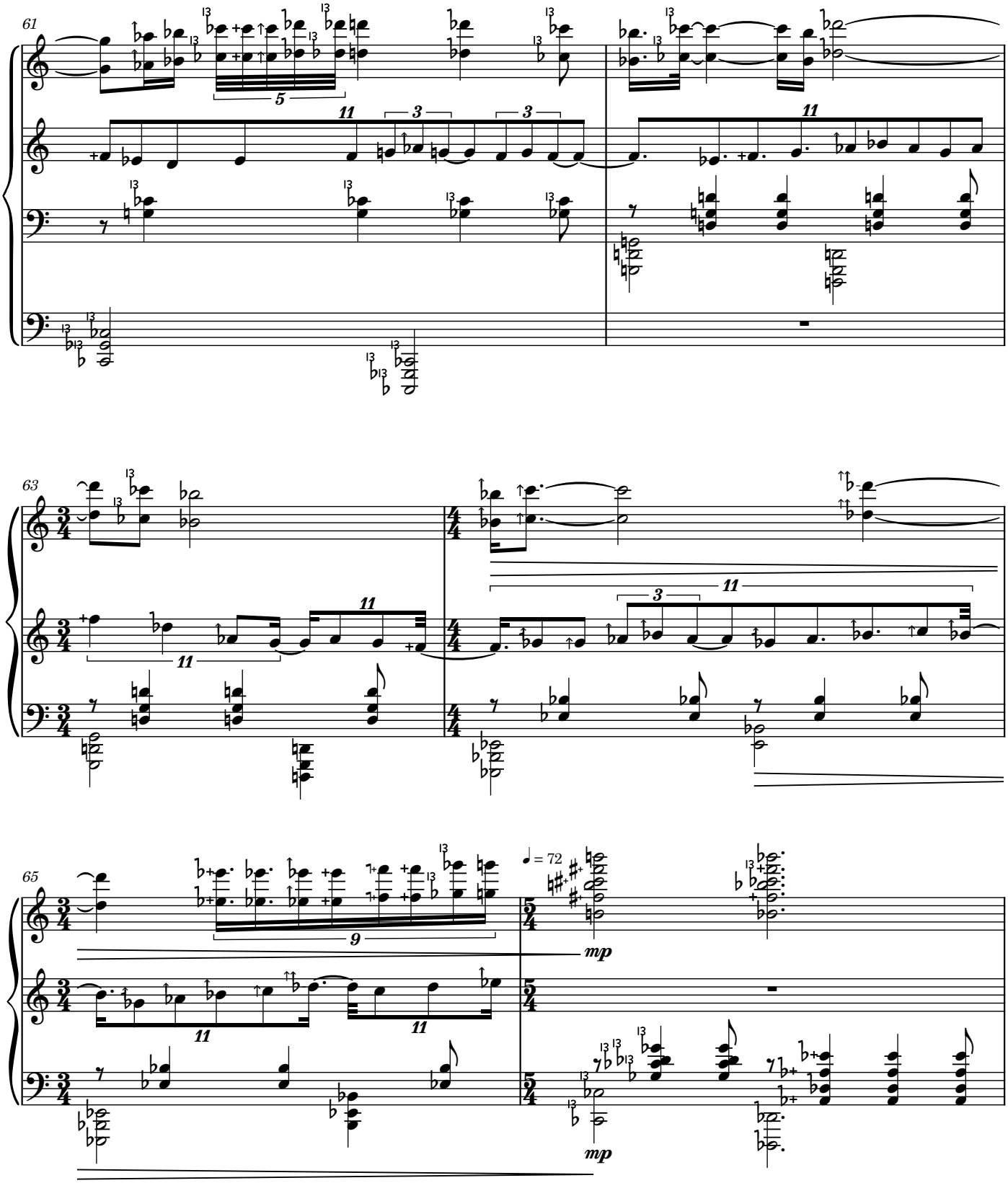

36
♩ = 75
38
40
♩ = 77
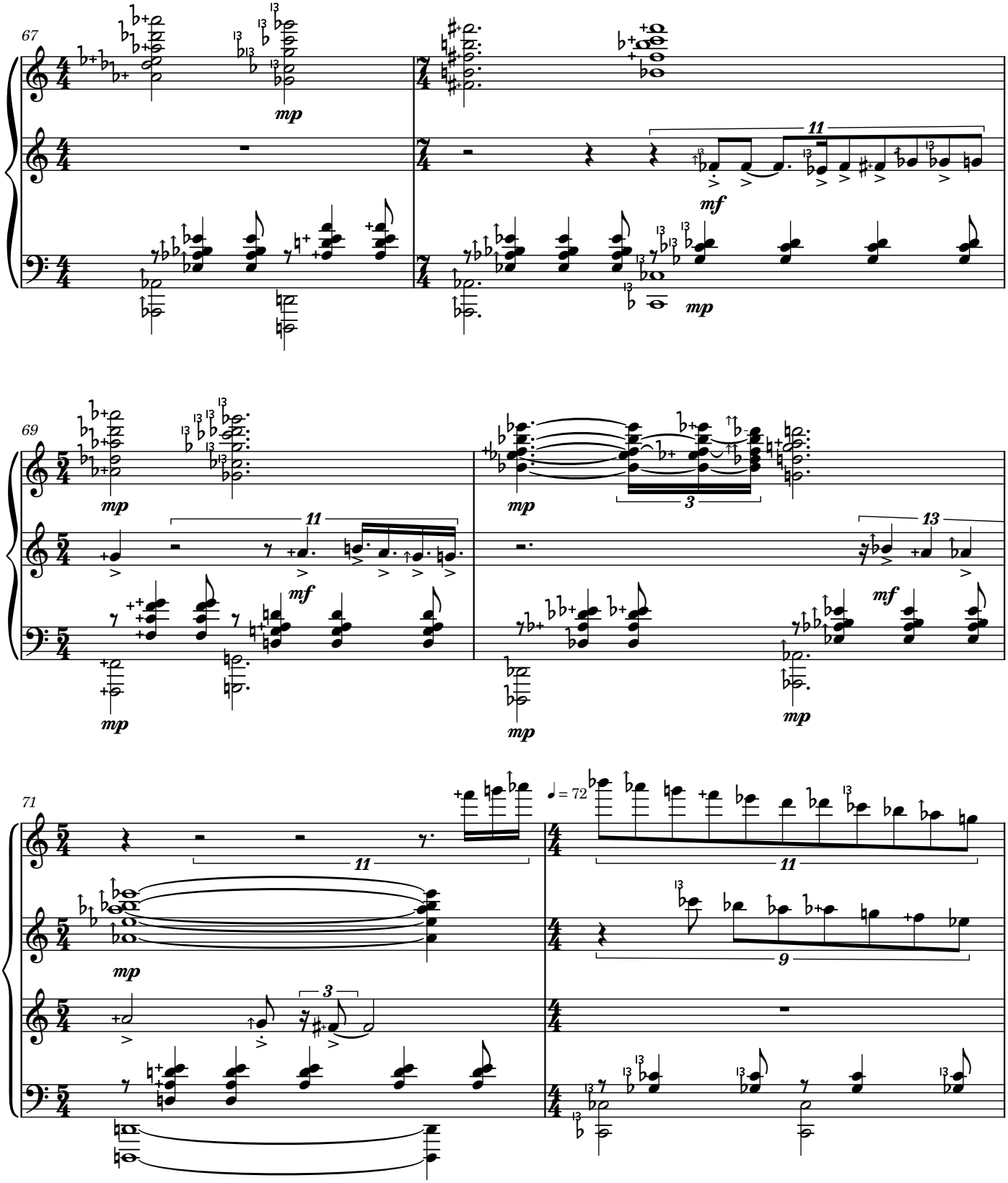

43
45
♩ = 75
mf
mf
47
♩ = 74
♩ = 73
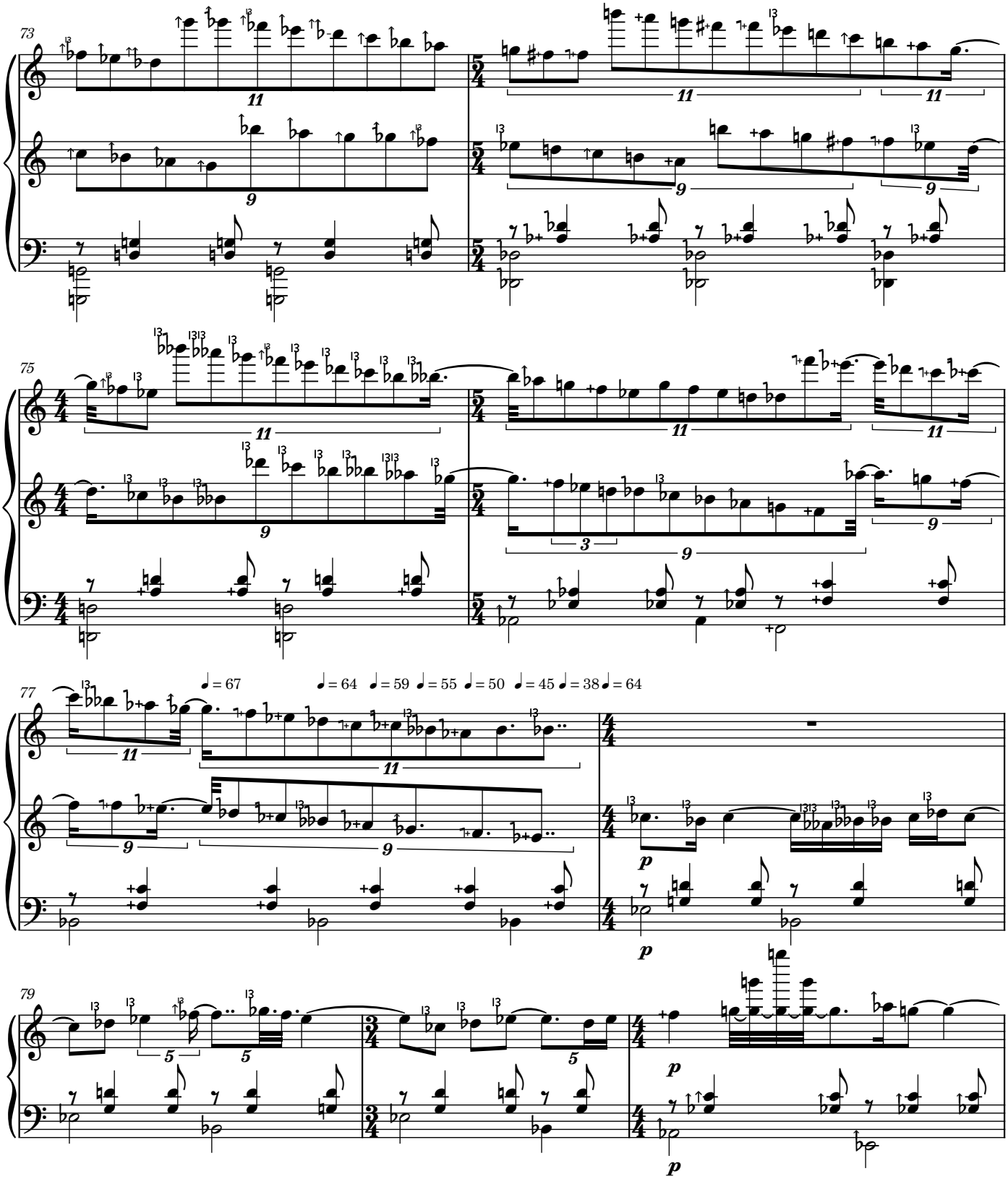

50
♩ = 72
11
♩ = 70
p
p
52
♩ = 68
11
ff
ff
54
ff
11
f
3
11
3
ff
11
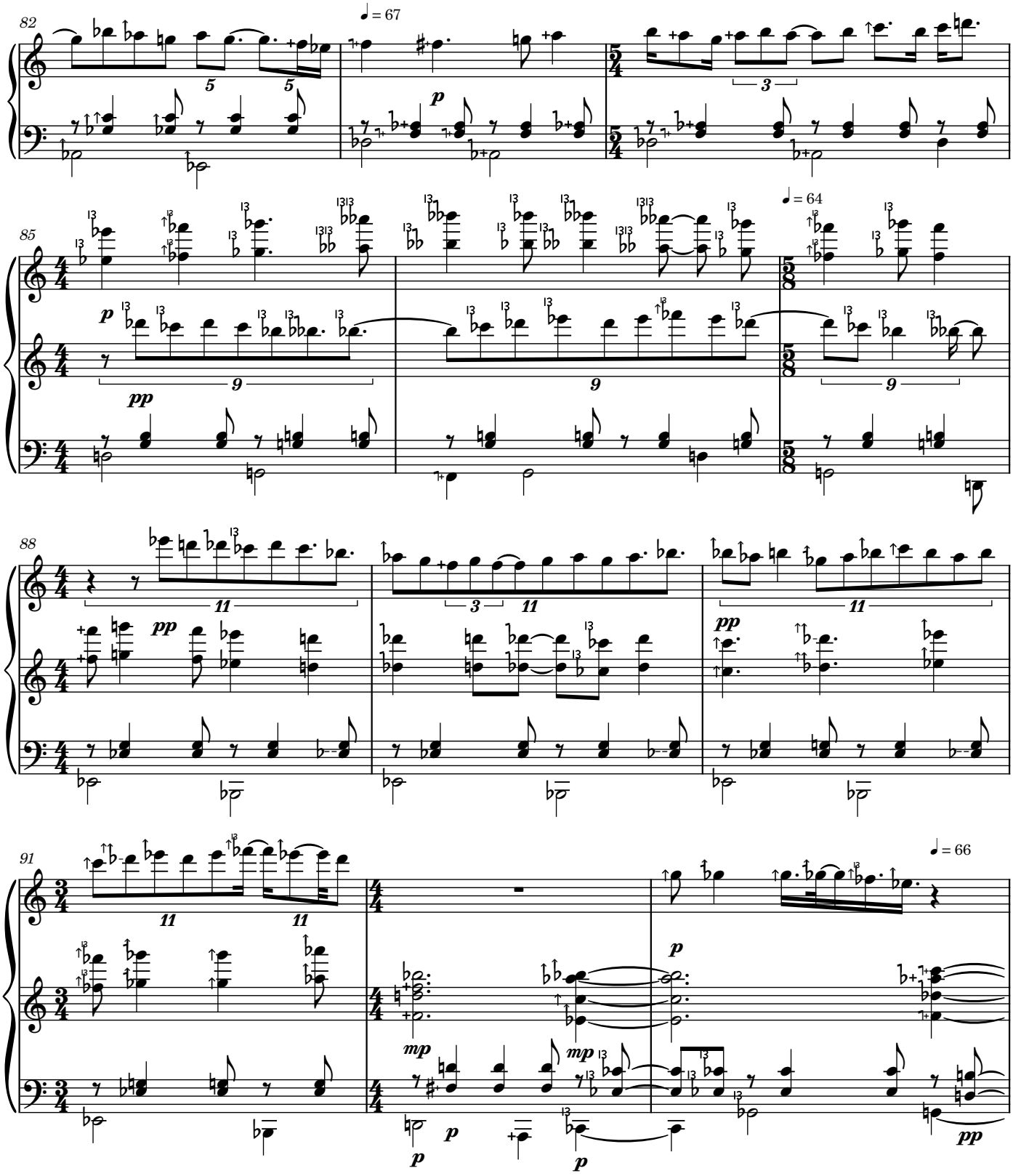

57
3
11
♩ = 71
3
11
ff
ff

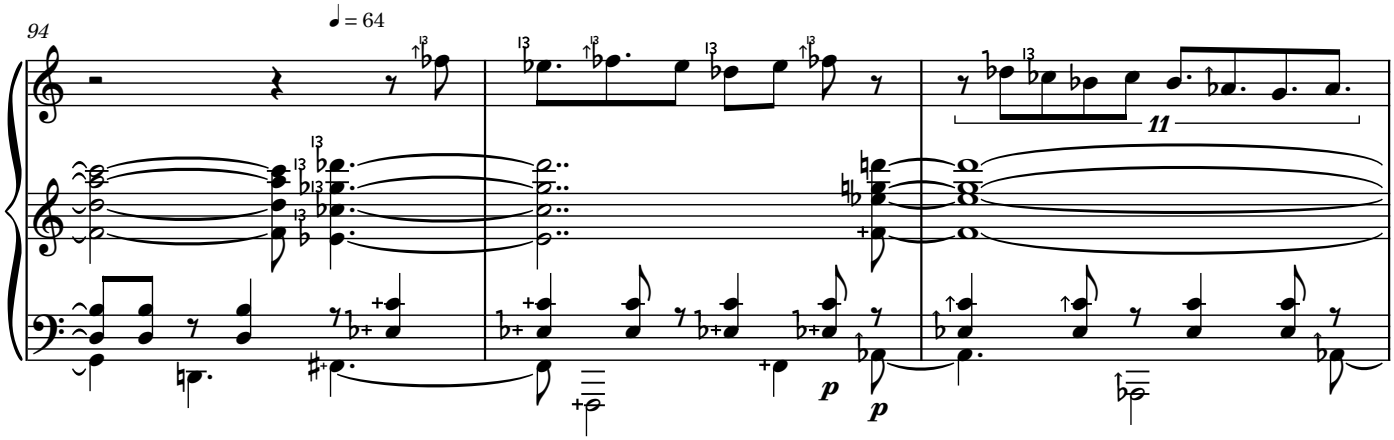

59
11
♩ = 68
3
11

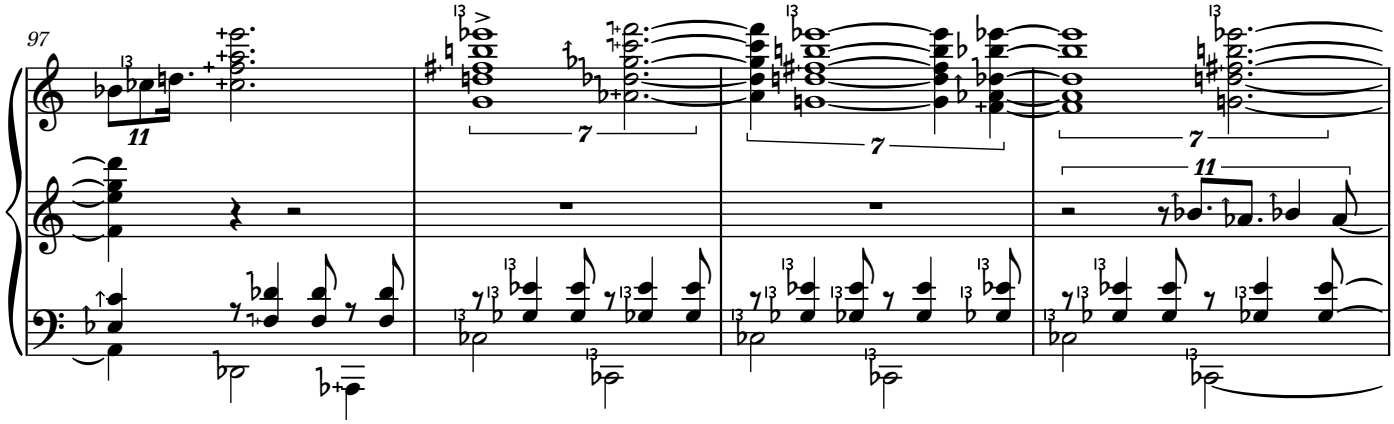

61
63
65
♩ = 72
mp
mp

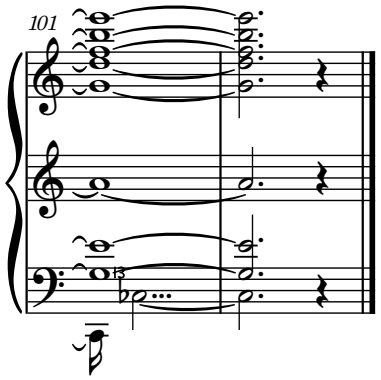

67
mp
11
mf
mp
69
mp
3
11
13
mf
mp
mp
mp
71
11
♩ = 72
11
mp
3
9


73
75
77
79
♩ = 67
♩ = 64
♩ = 59
♩ = 55
♩ = 50
♩ = 45
♩ = 38
♩ = 64
p
p
p


82
♩ = 67
p
3
85
♩ = 64
p
pp
9
88
11
3
pp
91
♩ = 66
mp
p
pp
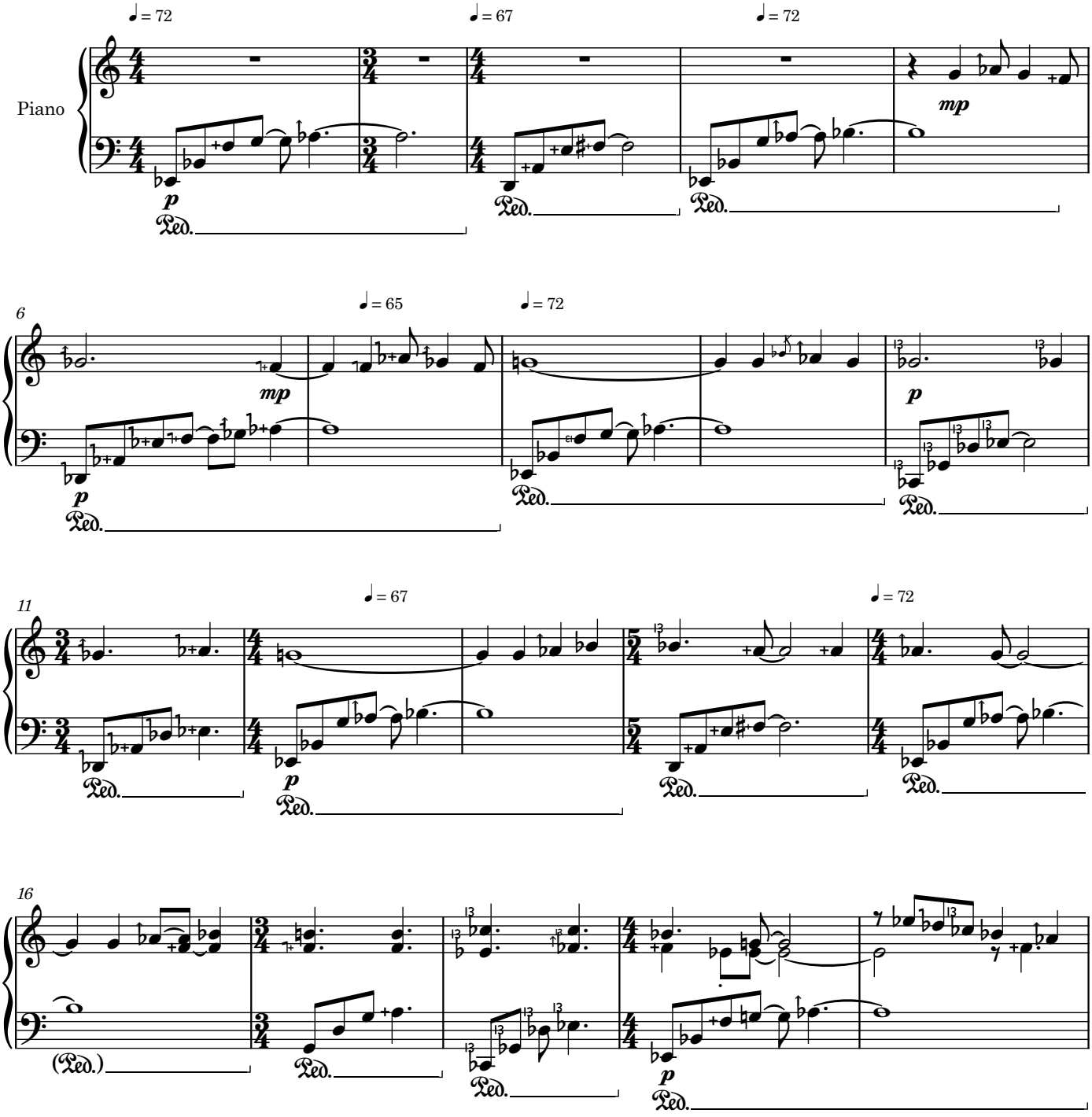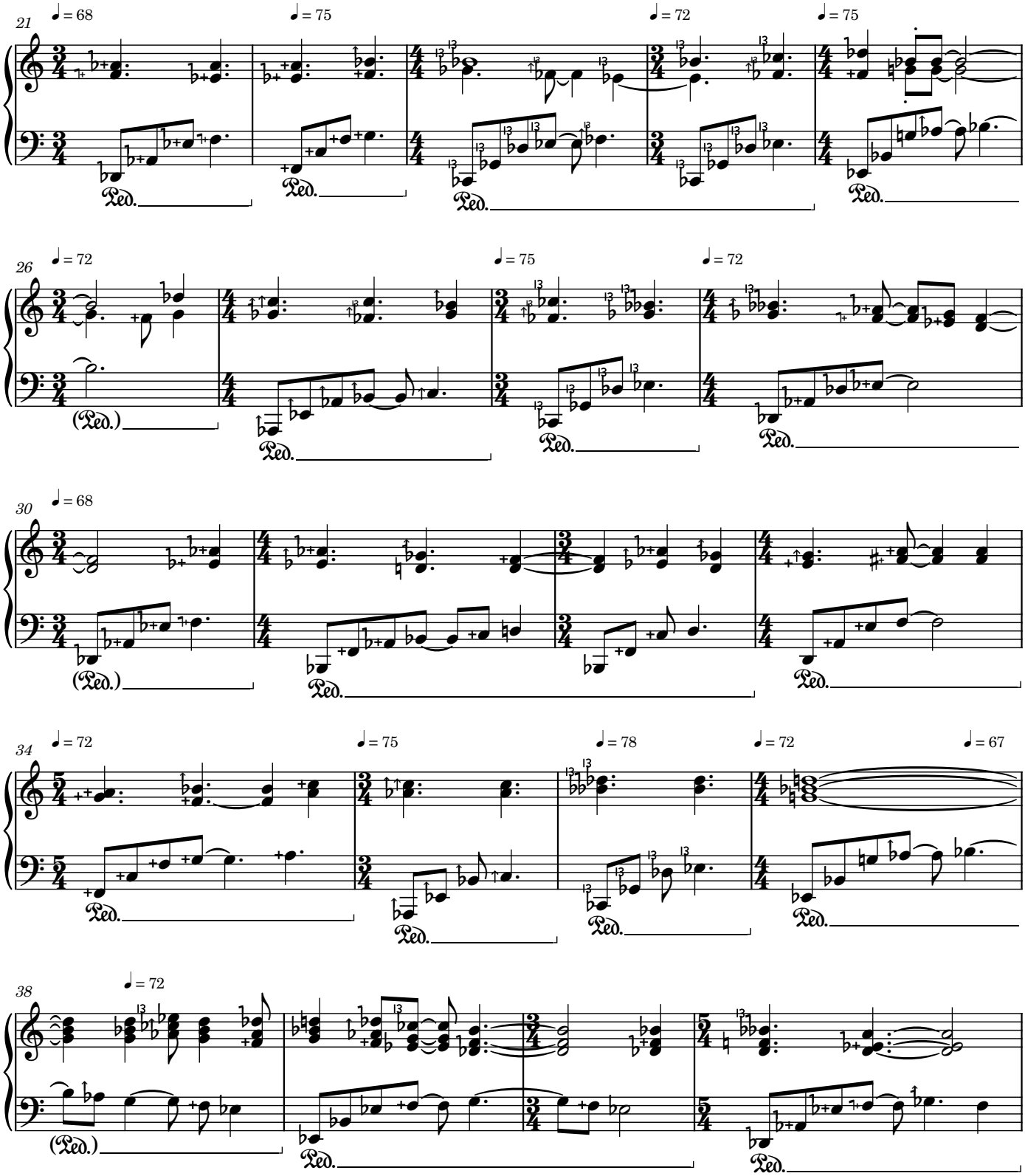






November 18, 2016 - April 30, 2017
Germantown, NY
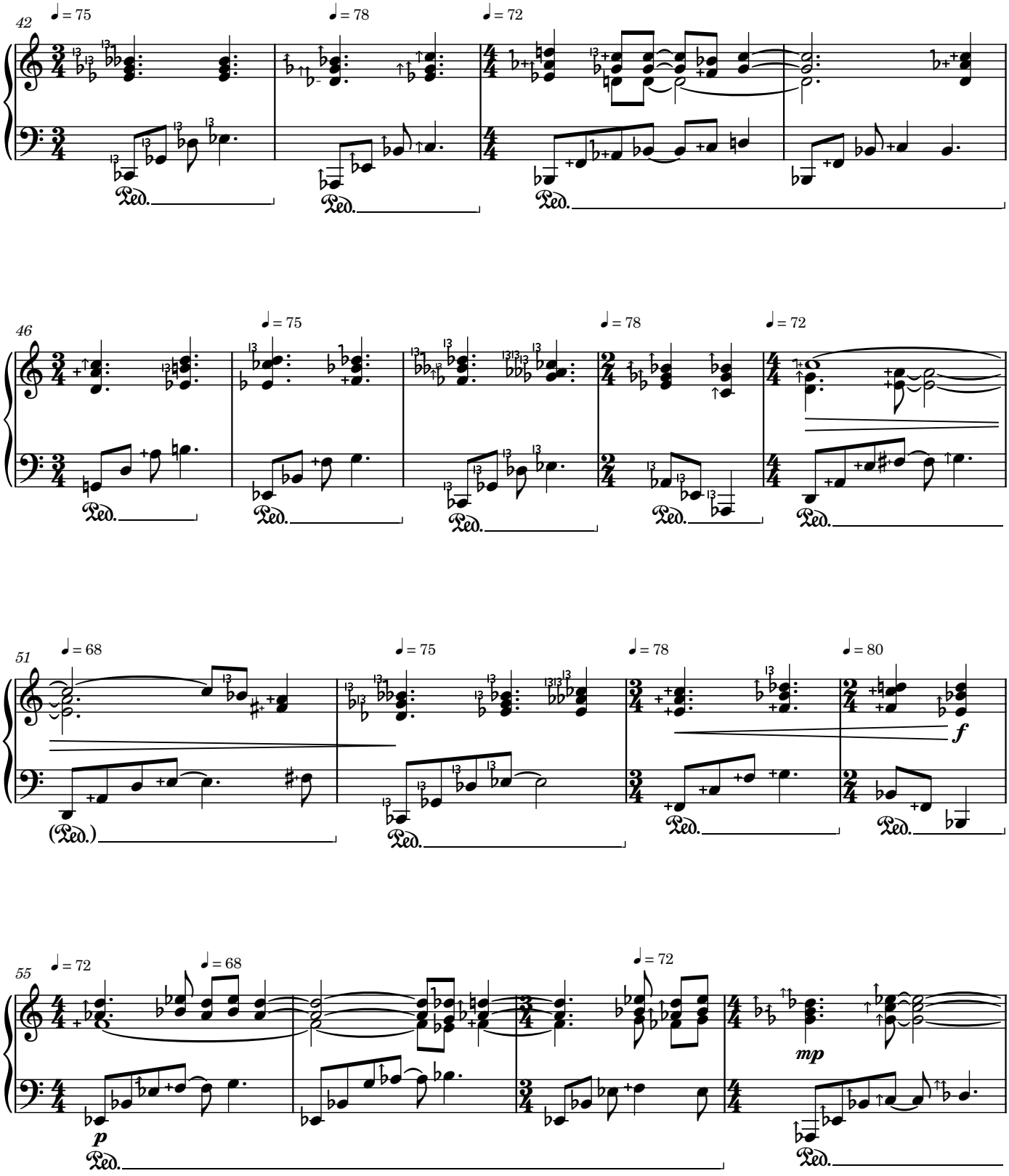
Romance Postmoderne
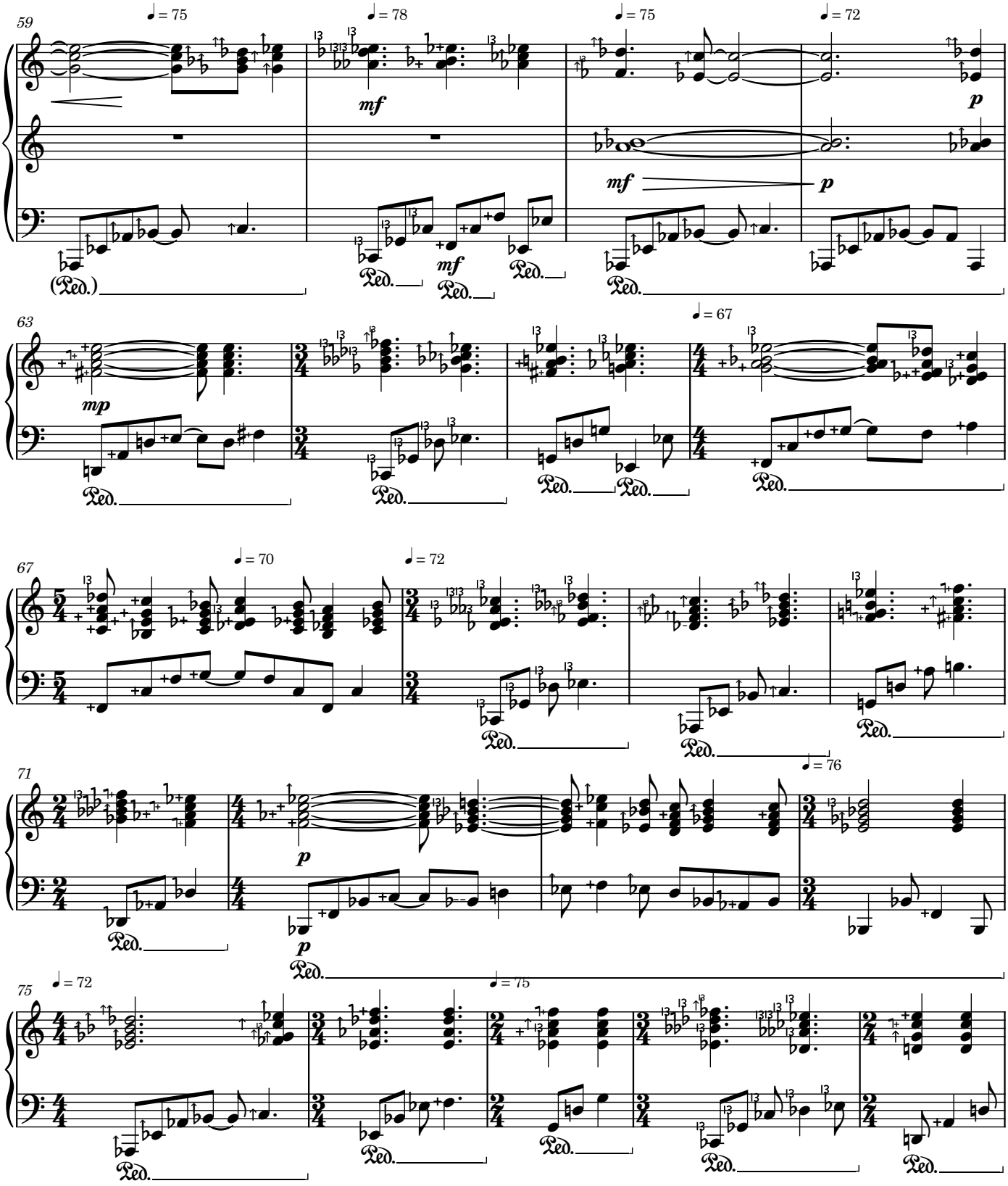
Kyle Gann
2012/15
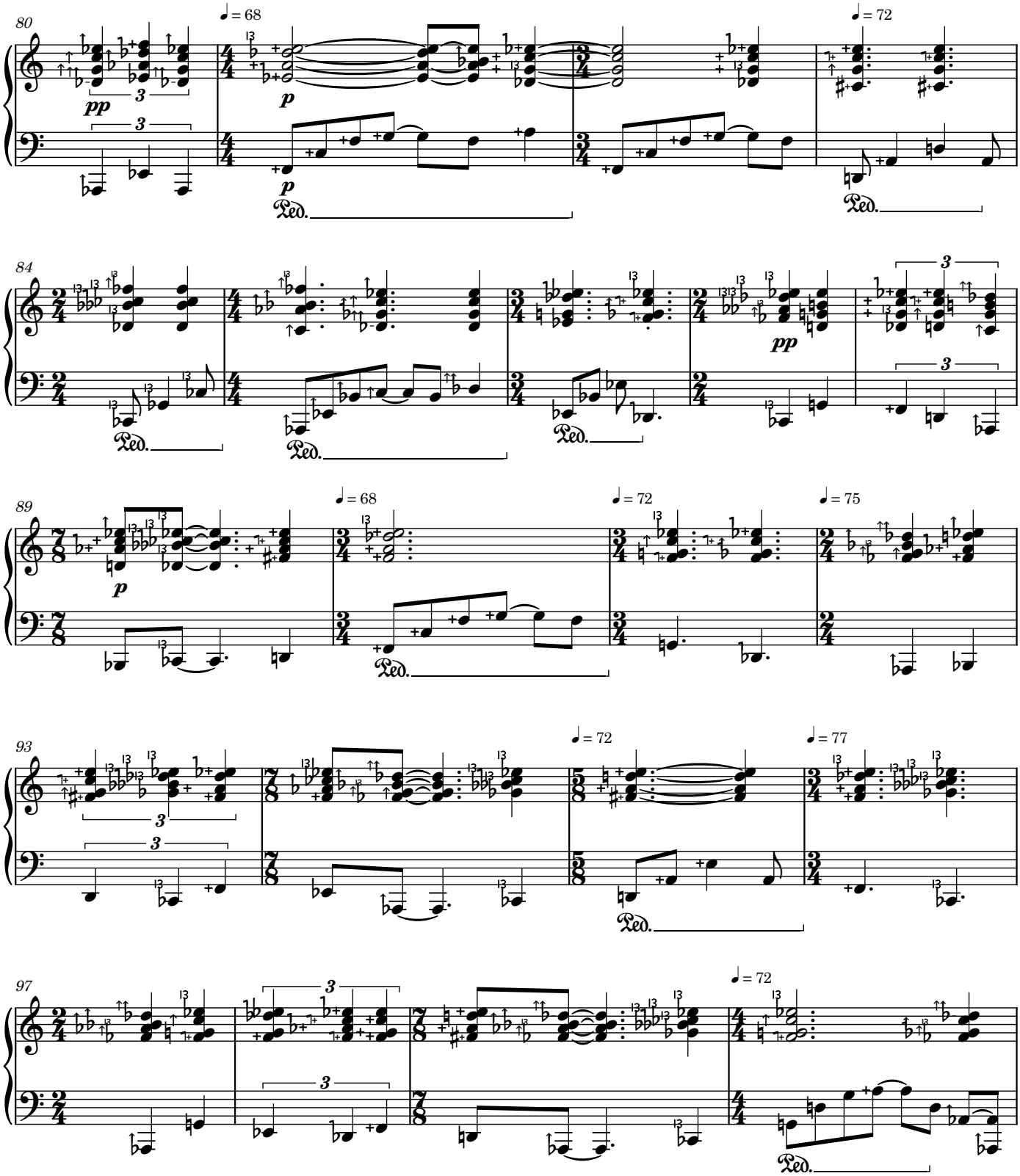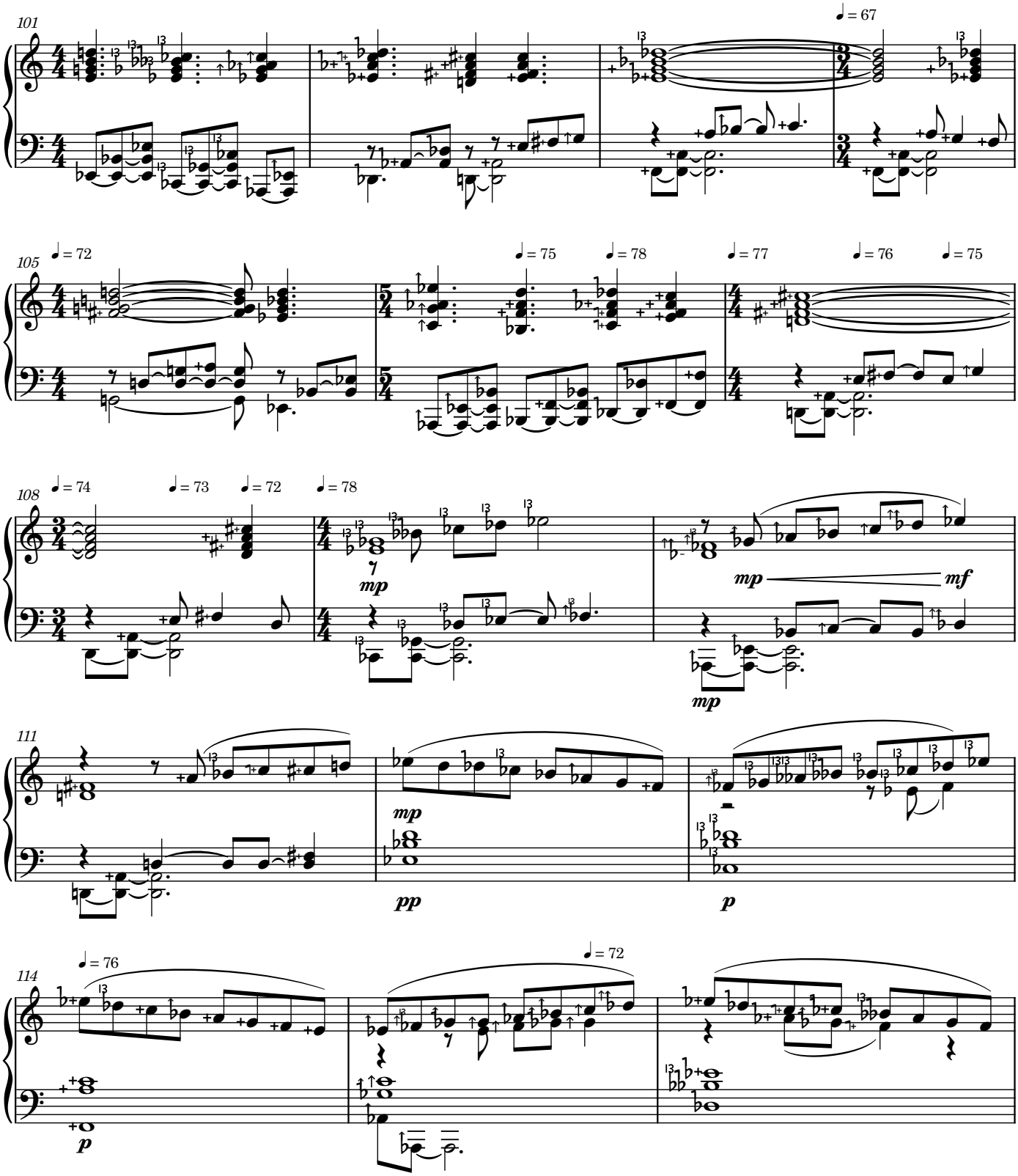


© 2015 Smith Grabholz Music
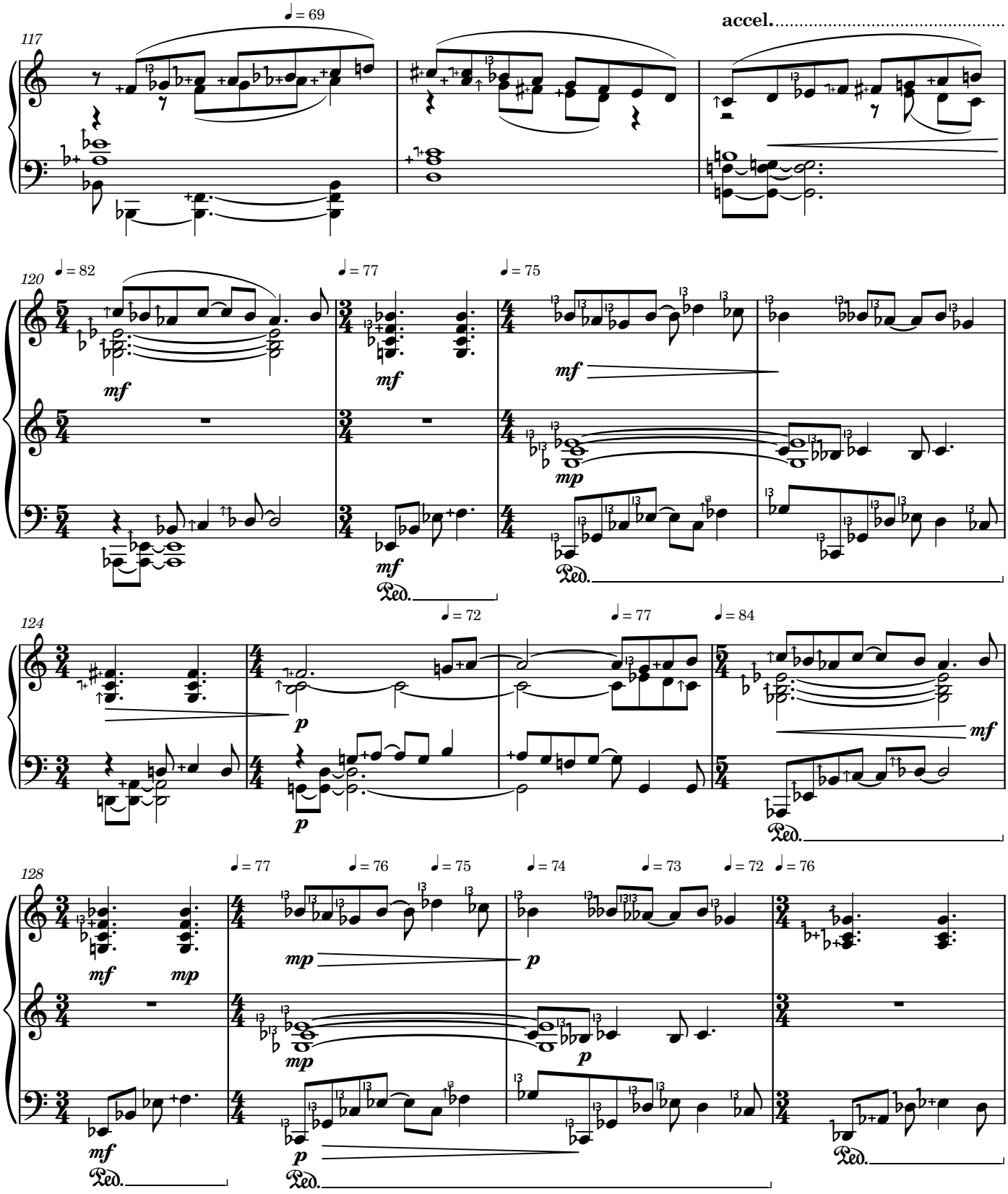

21
♩ = 68
♩ = 75
♩ = 72
♩ = 75
Ped.
26
♩ = 72
♩ = 75
♩ = 72
(Ped.)
Ped.
30
♩ = 68
(Ped.)
Ped.
34
♩ = 72
♩ = 75
♩ = 78
♩ = 72
♩ = 67
Ped.
38
♩ = 72
(Ped.)
Ped.
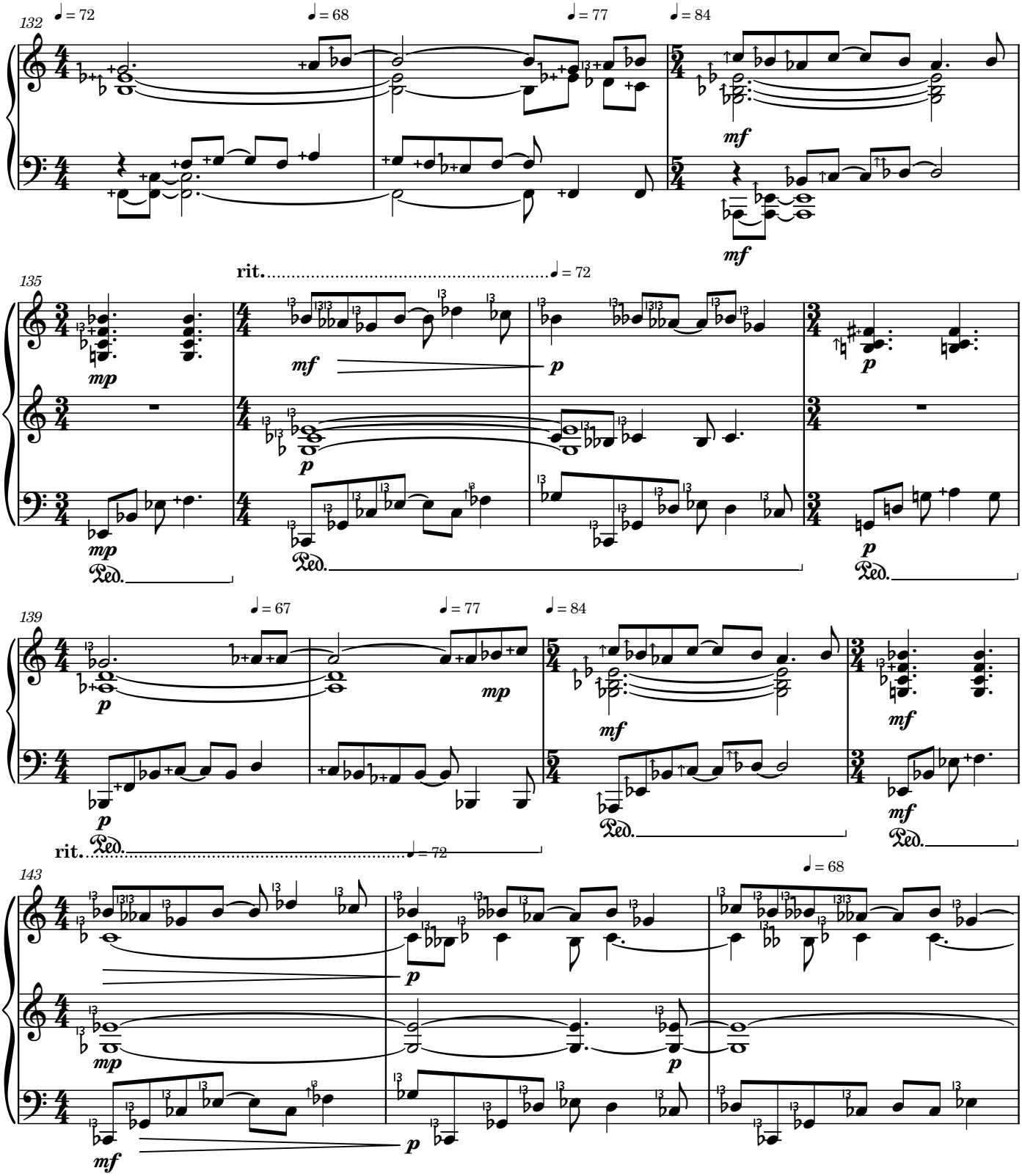

42
♩ = 75
♩ = 78
♩ = 72
Ped.
46
♩ = 75
♩ = 78
♩ = 72
Ped.
51
♩ = 68
♩ = 75
♩ = 78
♩ = 80
(Ped.)
Ped.
f
55
♩ = 72
♩ = 68
♩ = 72
p
mp
Ped.
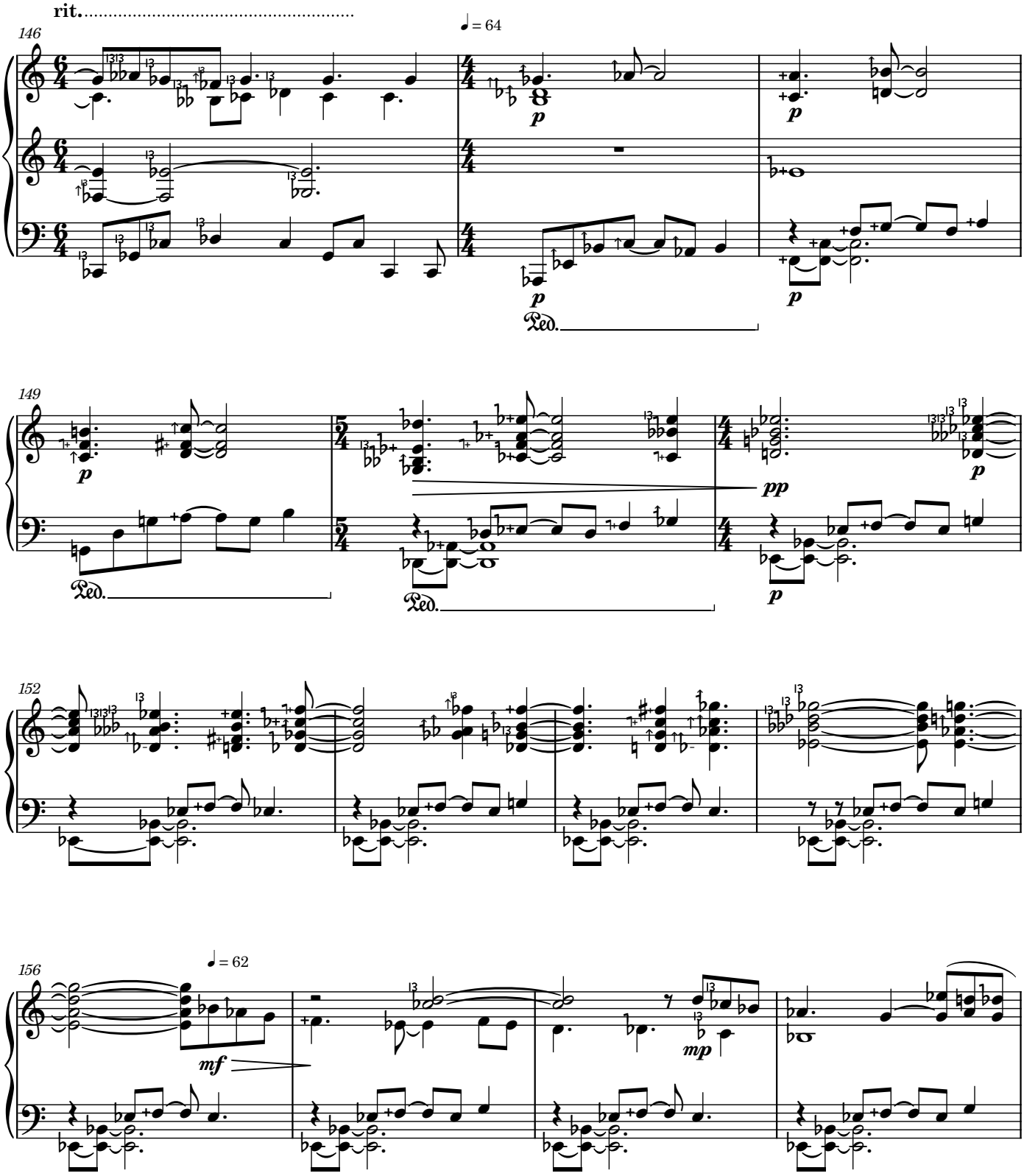

59
♩ = 75
♩ = 78
♩ = 75
♩ = 72
mf
mf
mf
p
p
(Ped.)
Ped.
63
mp
♩ = 67
67
♩ = 70
♩ = 72
71
p
p
♩ = 76
75
♩ = 72
♩ = 75
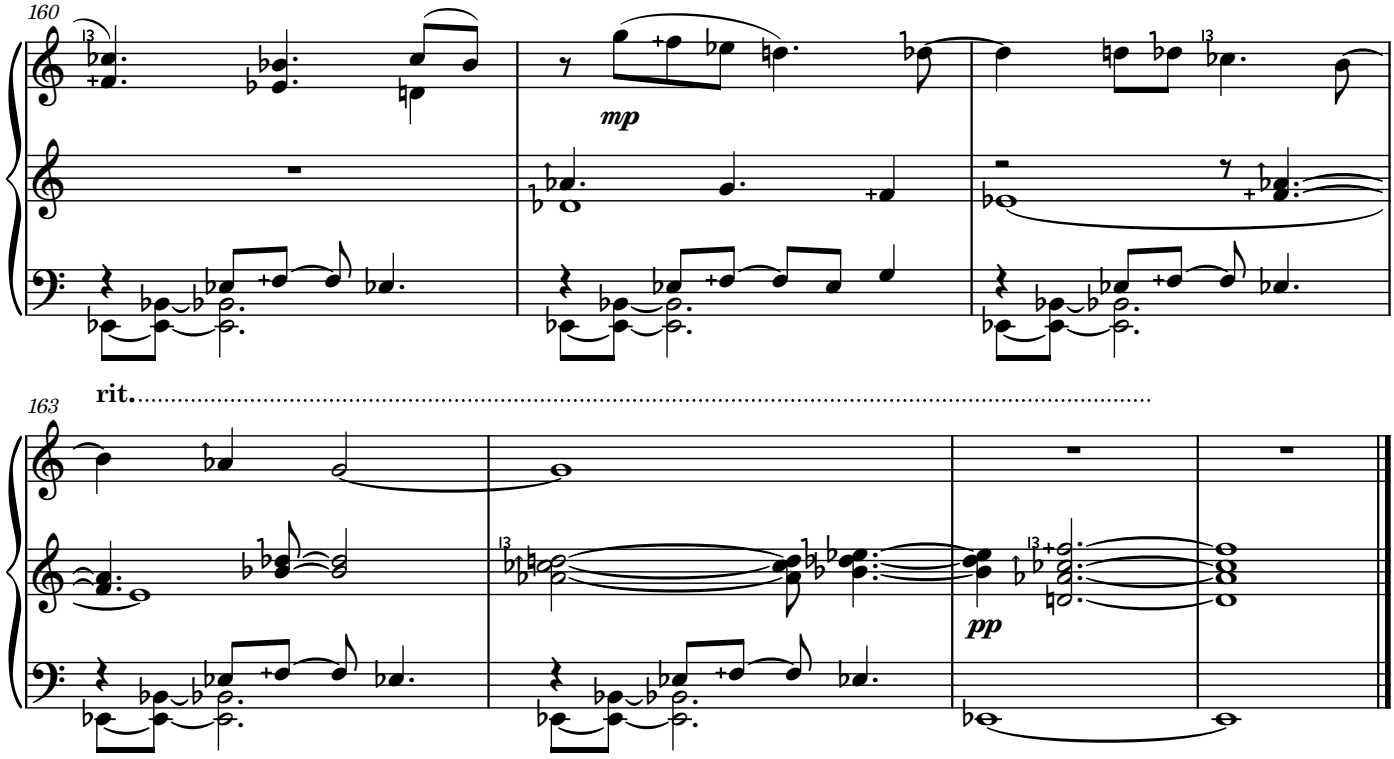

80
♩ = 68
pp
p
p
Ped.
♩ = 72
Ped.
84
pp
Ped.
Ped.
Ped.
89
♩ = 68
♩ = 72
♩ = 75
p
Ped.
93
♩ = 72
♩ = 77
Ped.
97
♩ = 72
Ped.


101
♩ = 67
105
♩ = 72
♩ = 75
♩ = 78
♩ = 77
♩ = 76
♩ = 75
108
♩ = 74
♩ = 73
♩ = 72
♩ = 78
mp
mp
mf
mp
111
mp
pp
p
114
♩ = 76
♩ = 72
p


117
♩ = 69
accel.
120
♩ = 82
♩ = 77
♩ = 75
mf
mp
Ped.
124
♩ = 72
♩ = 77
♩ = 84
p
mf
128
♩ = 77
♩ = 76
♩ = 75
♩ = 74
♩ = 73
♩ = 72
♩ = 76
mp
p


132
♩ = 72
♩ = 68
♩ = 77
♩ = 84
mf
mf
135
rit.
♩ = 72
mp
mf
p
p
p
mp
Ped.
Ped.
Ped.
139
♩ = 67
♩ = 77
♩ = 84
p
mp
mf
mf
p
Ped.
Ped.
rit.
♩ = 72
143
♩ = 68
mp
p
p
mf
p
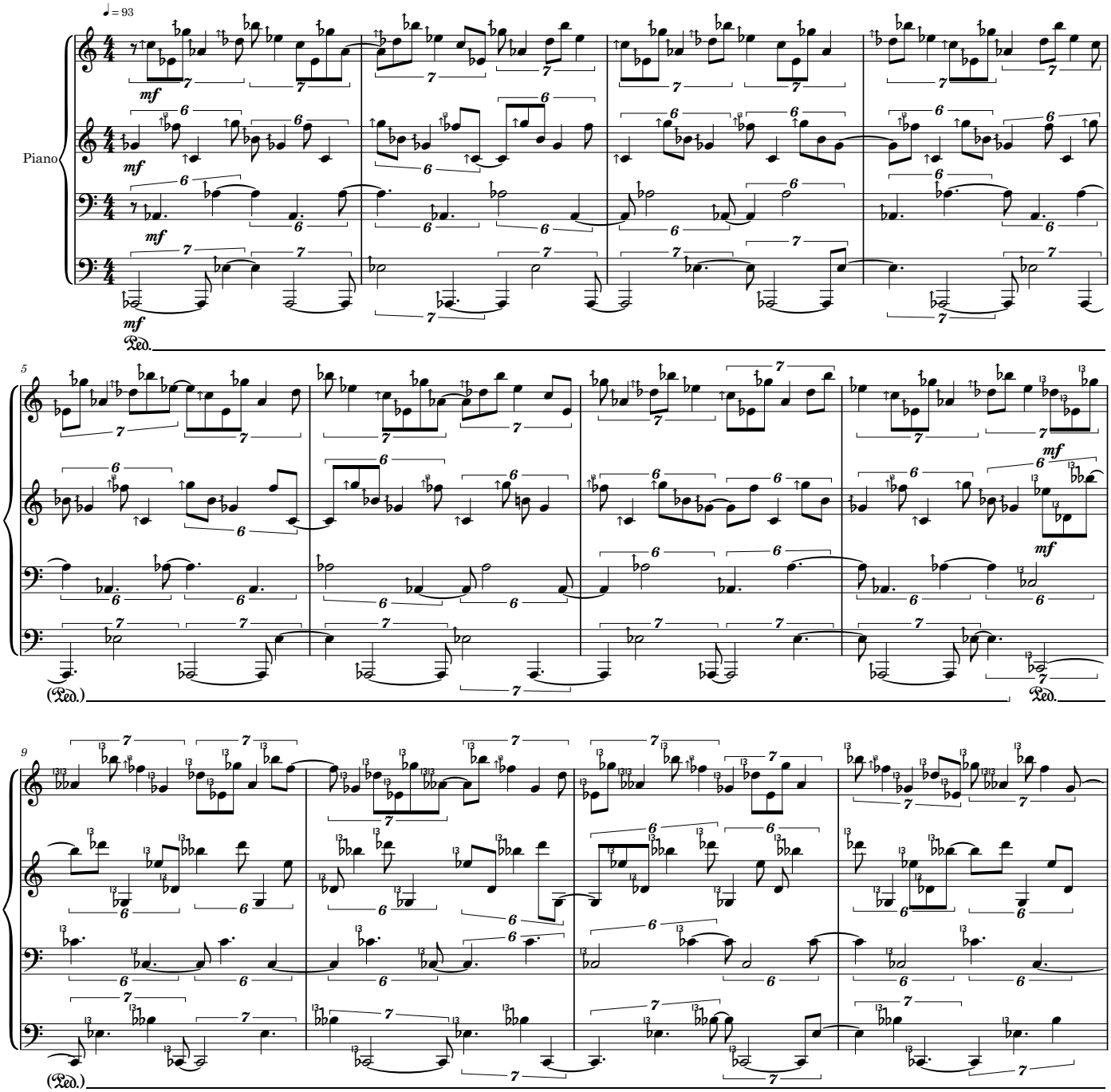

rit.
146
♩ = 64
p
Ped.
149
pp
152
156
♩ = 62
mf
mp


160
mp
163
rit.
pp
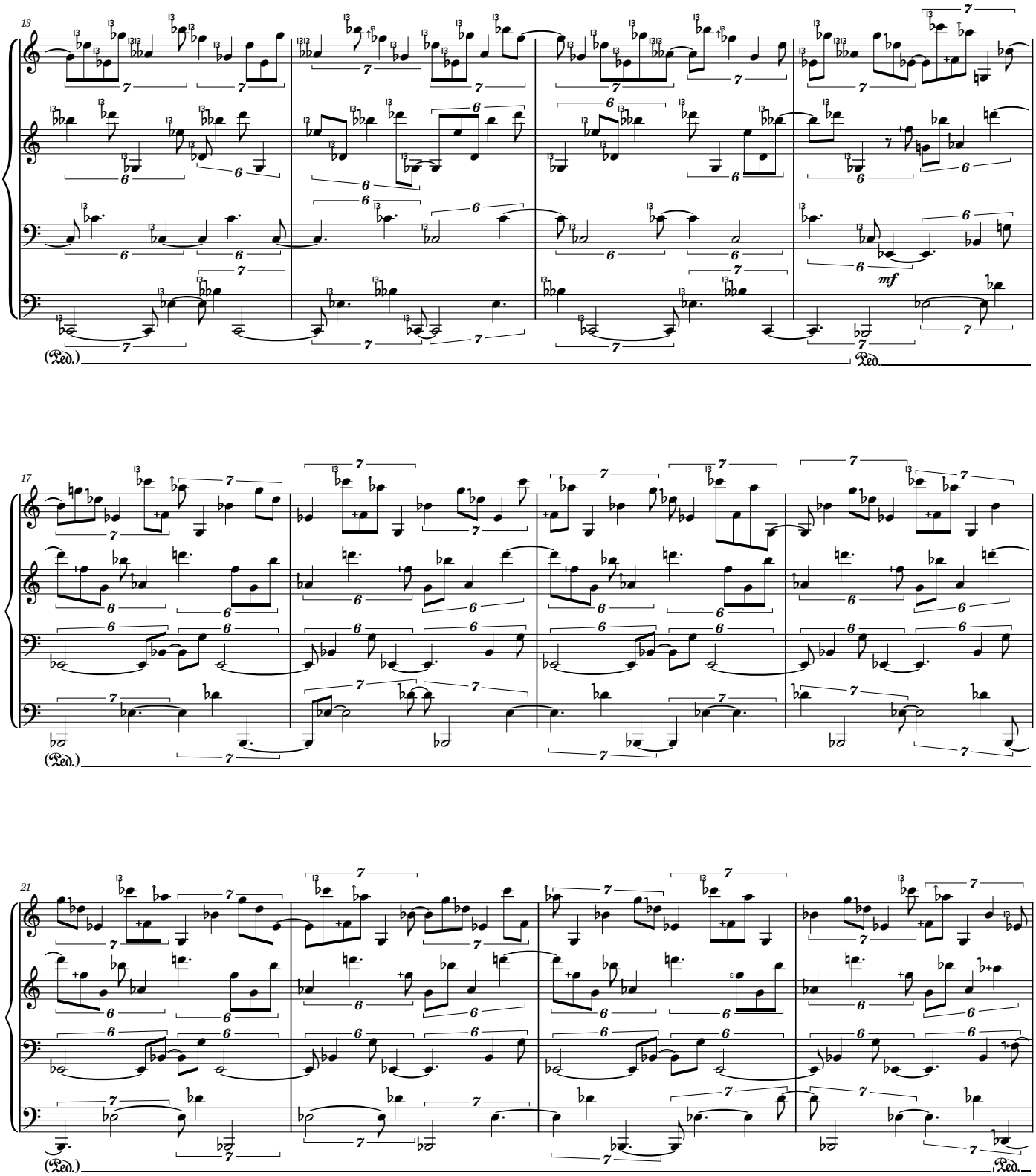
Geometry
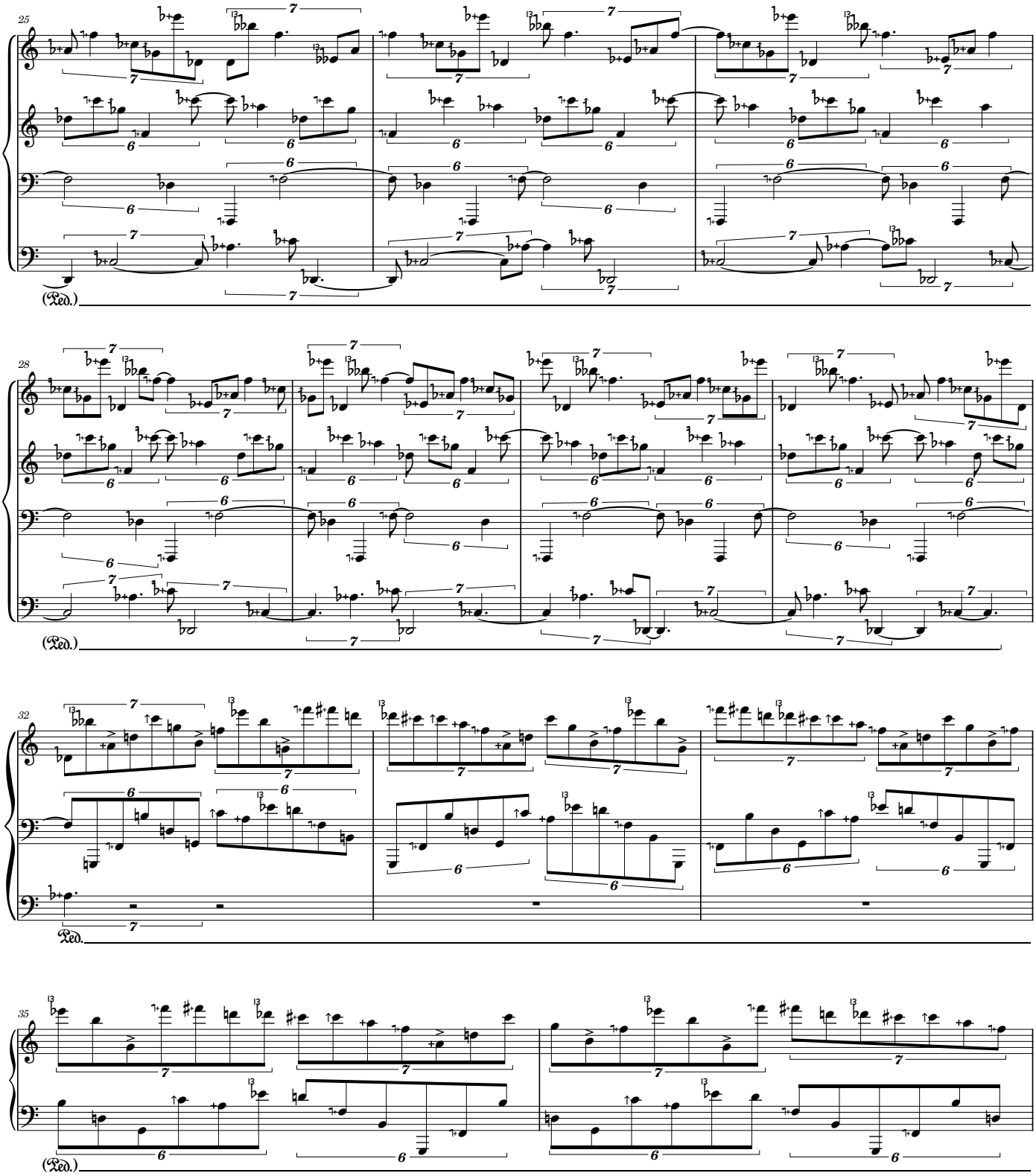
(Homage to Schillinger)
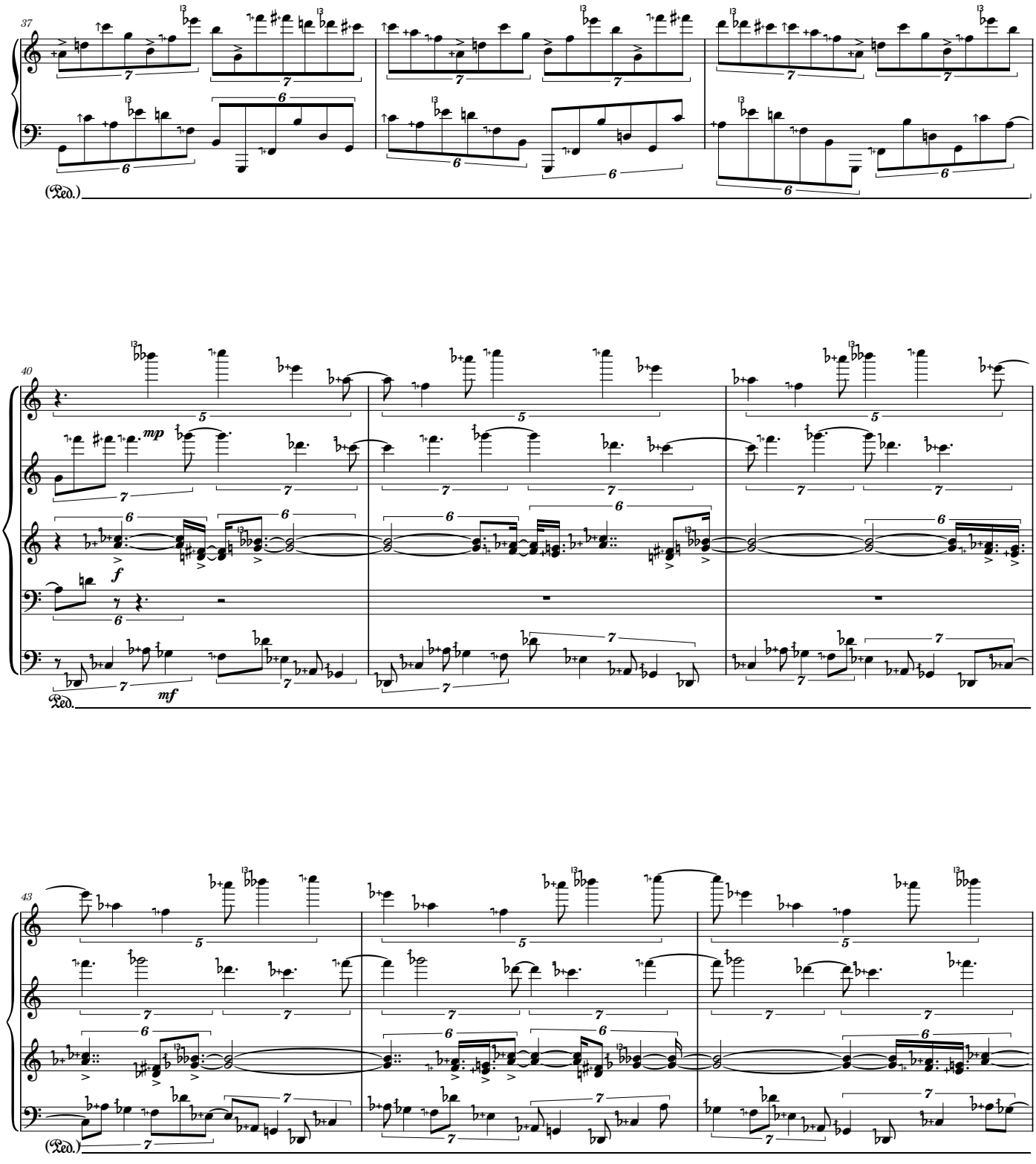
Kyle Gann
2021
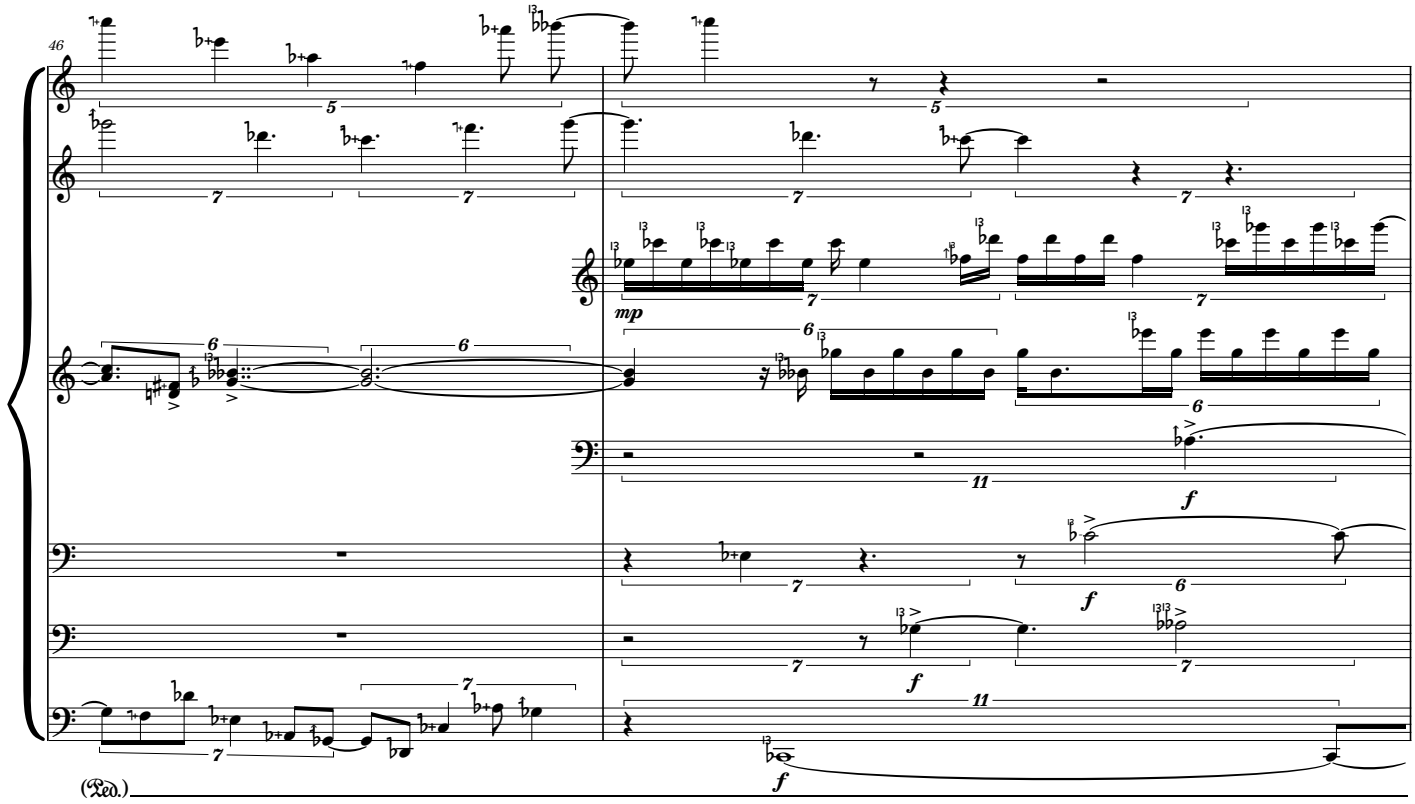


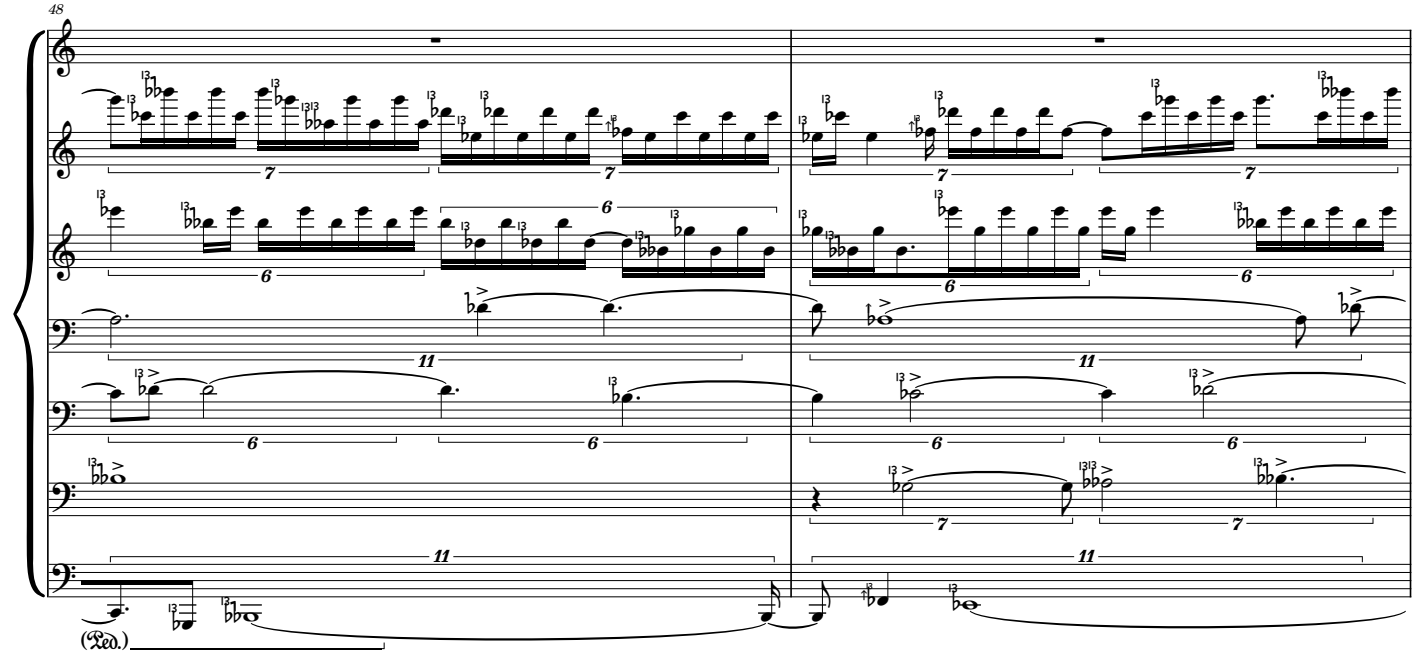
© Copyright 2021 Smith Grabholz Music

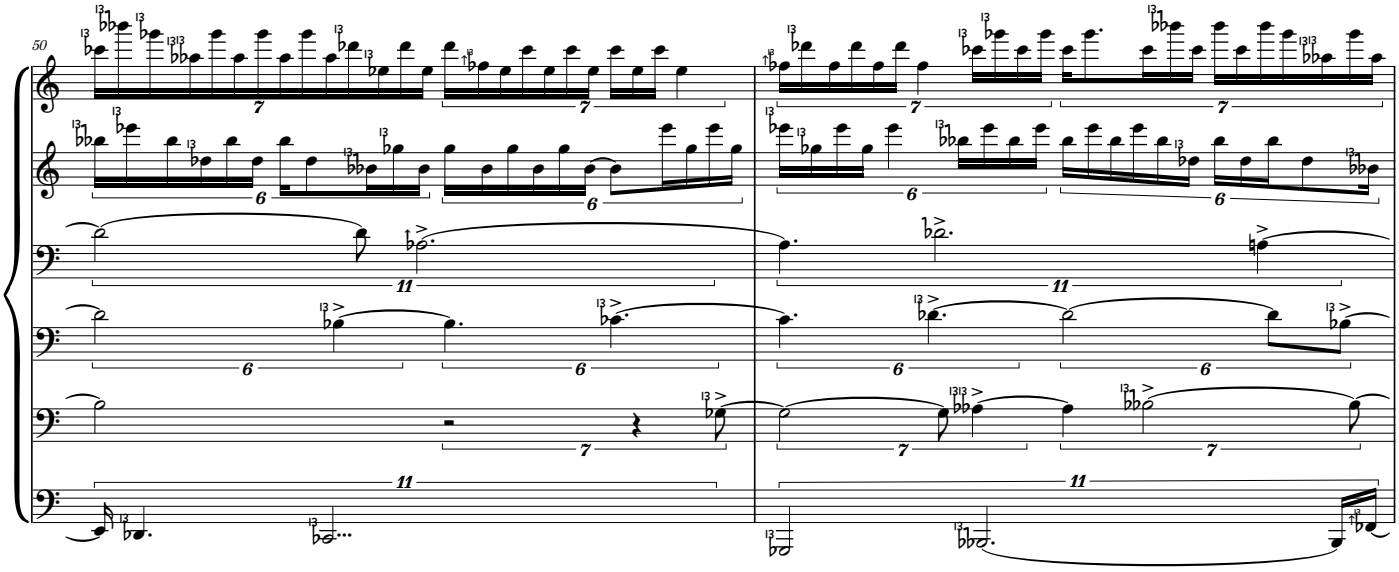

13
mf
(Ped.)
Ped.
17
(Ped.)
21
(Ped.)
Ped.

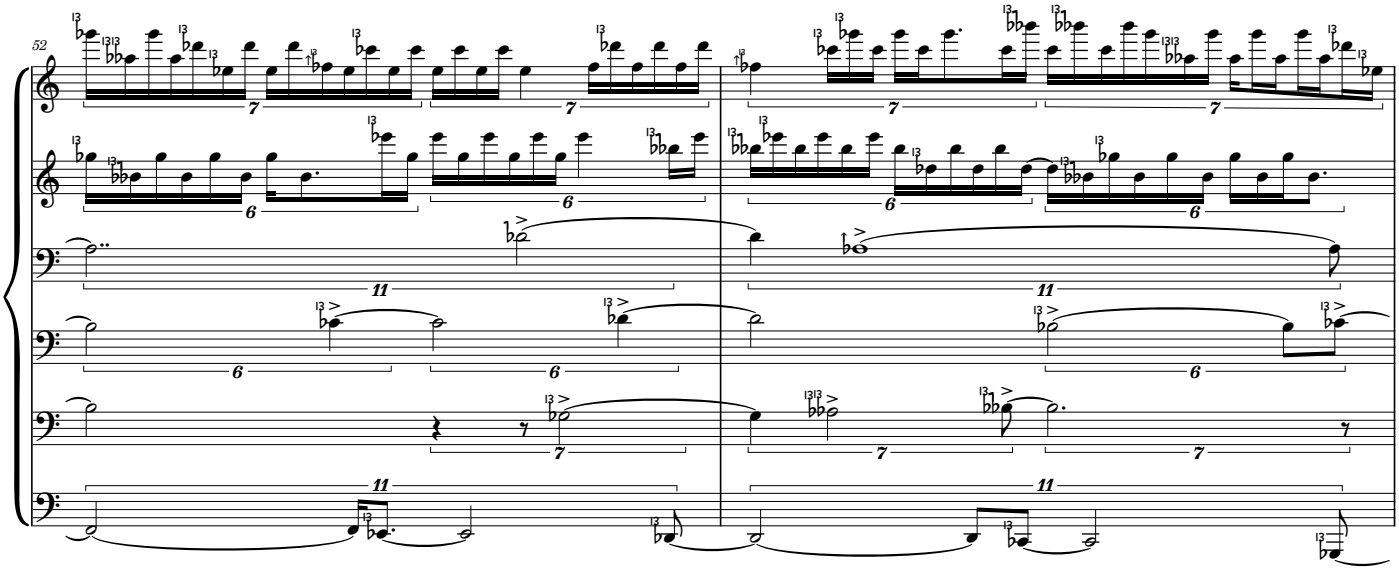

25
(Ped.)
28
(Ped.)
32
Ped.
35
(Ped.)

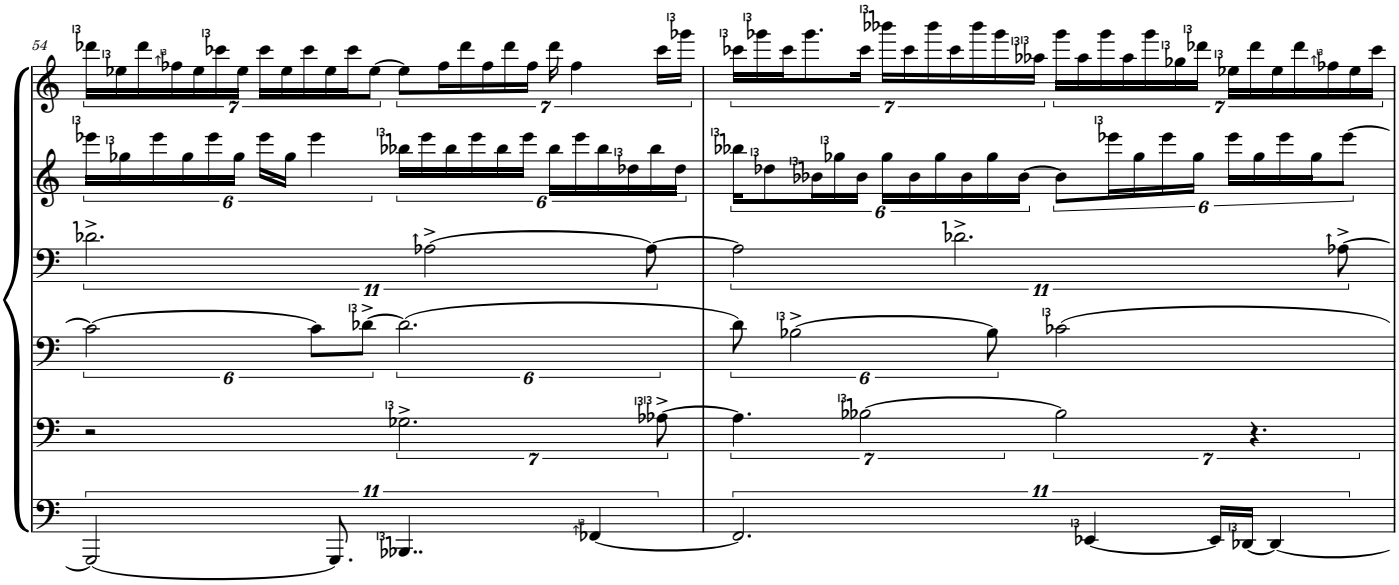

37
(Ped.)
40
mp
f
mf
Ped.
43
(Ped.)

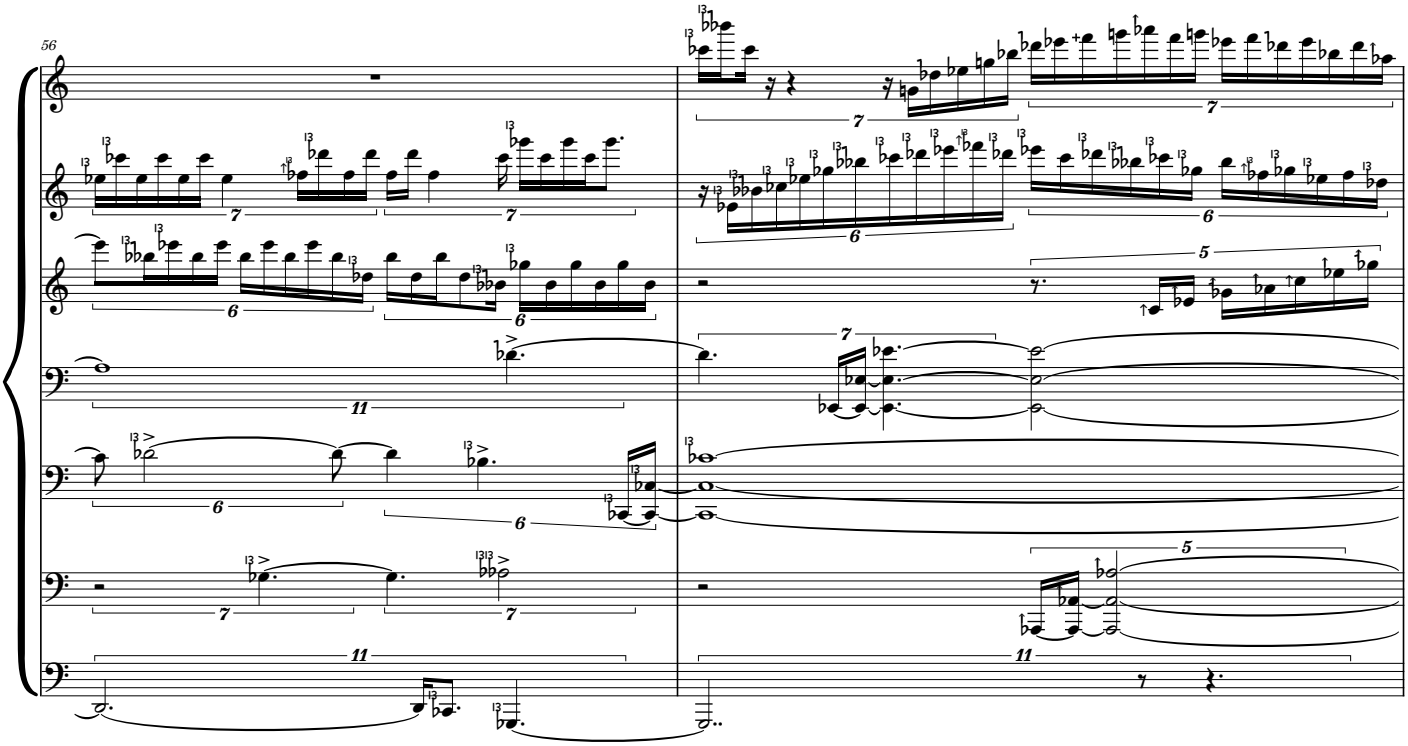

46
mp
f
f
f
f
(Ped.)

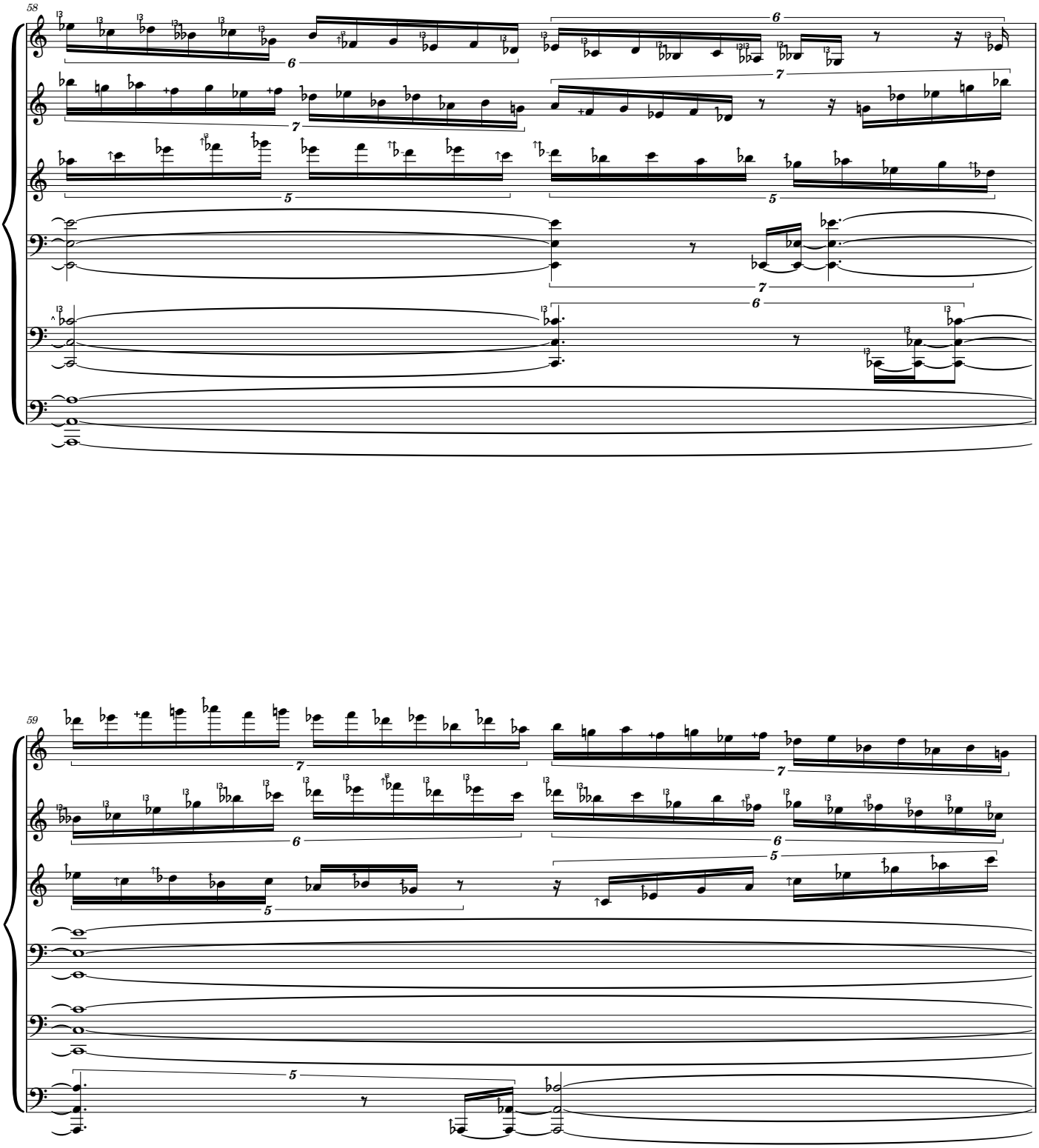

48
(Ped.)

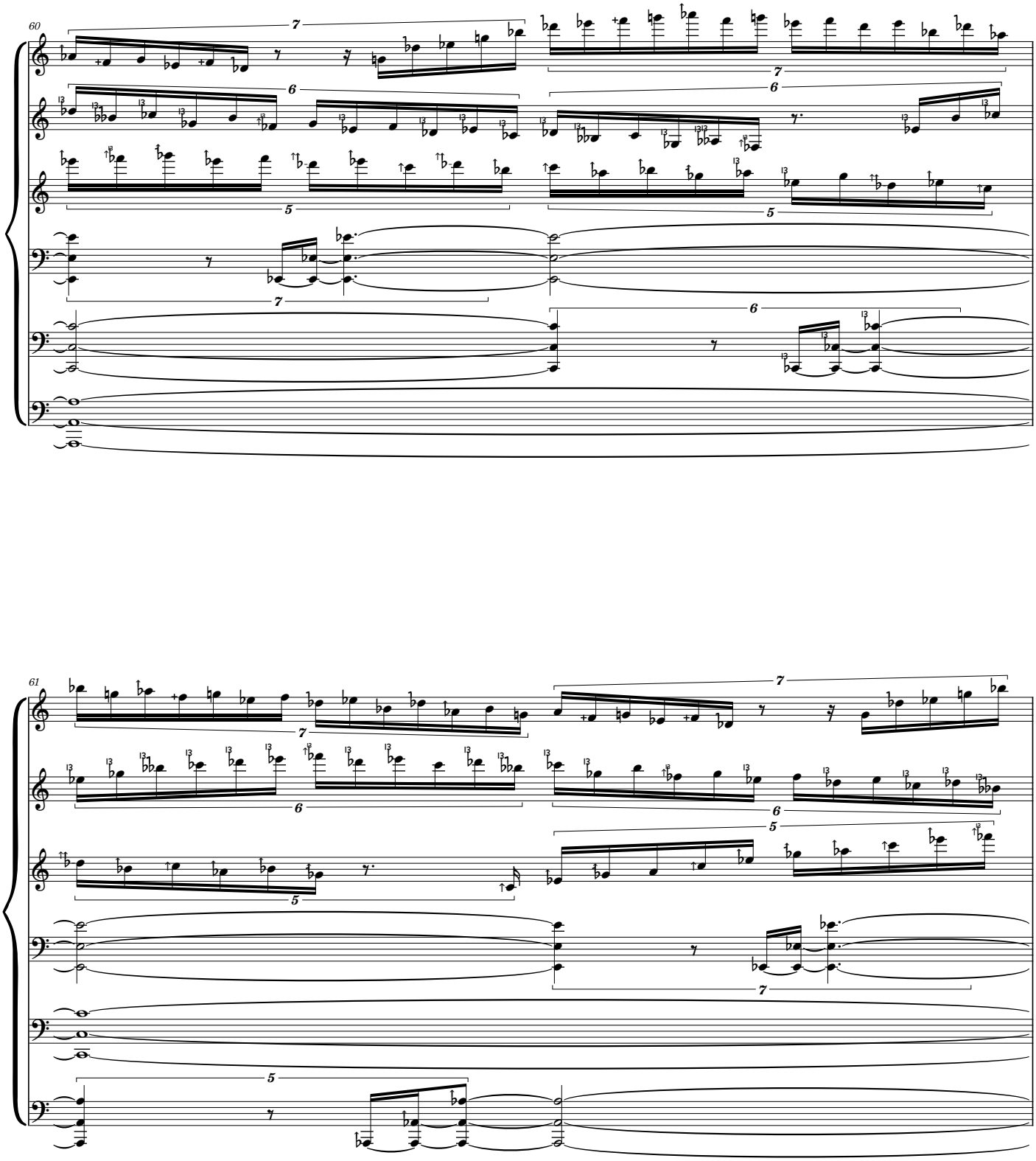

50

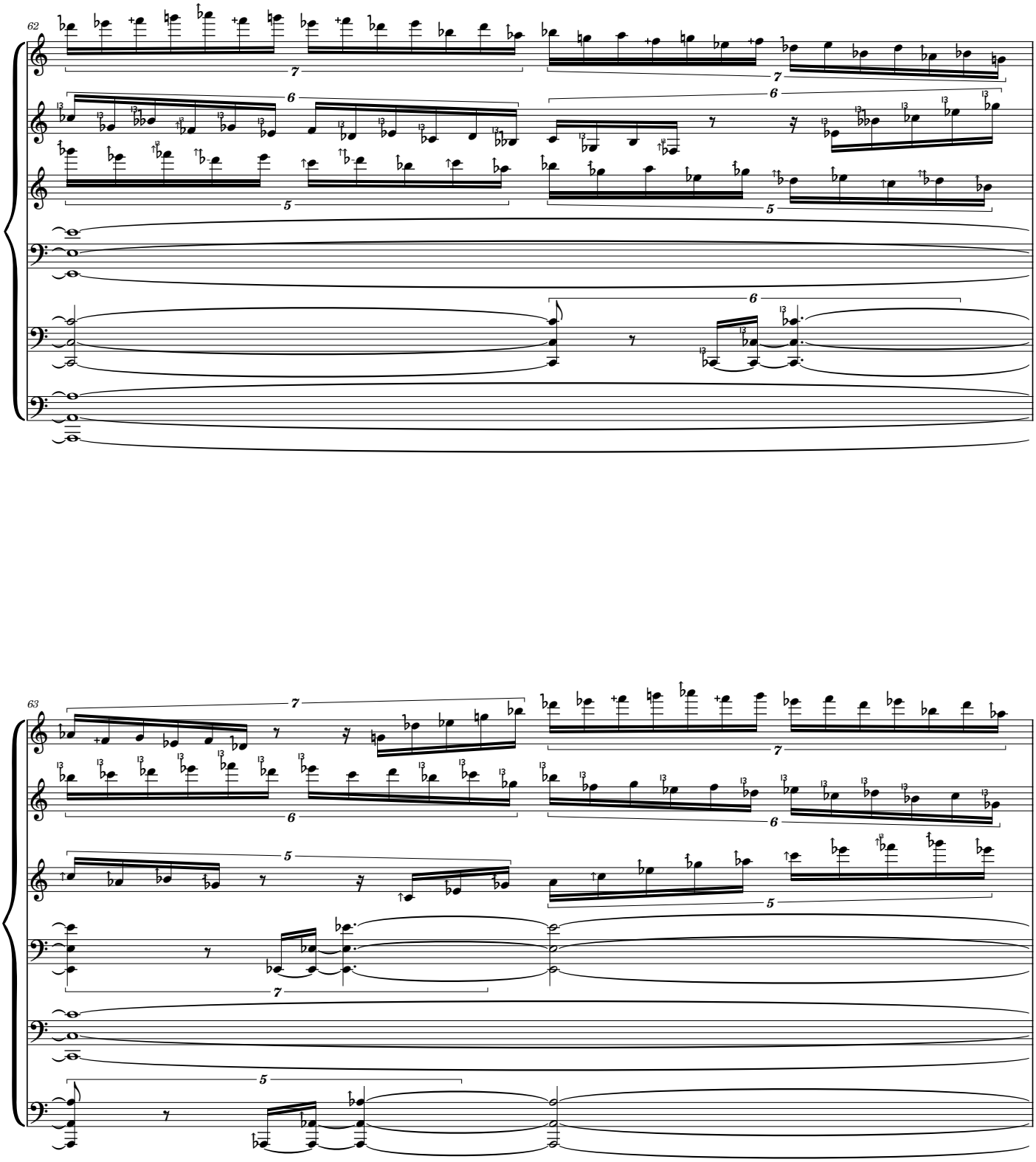

52
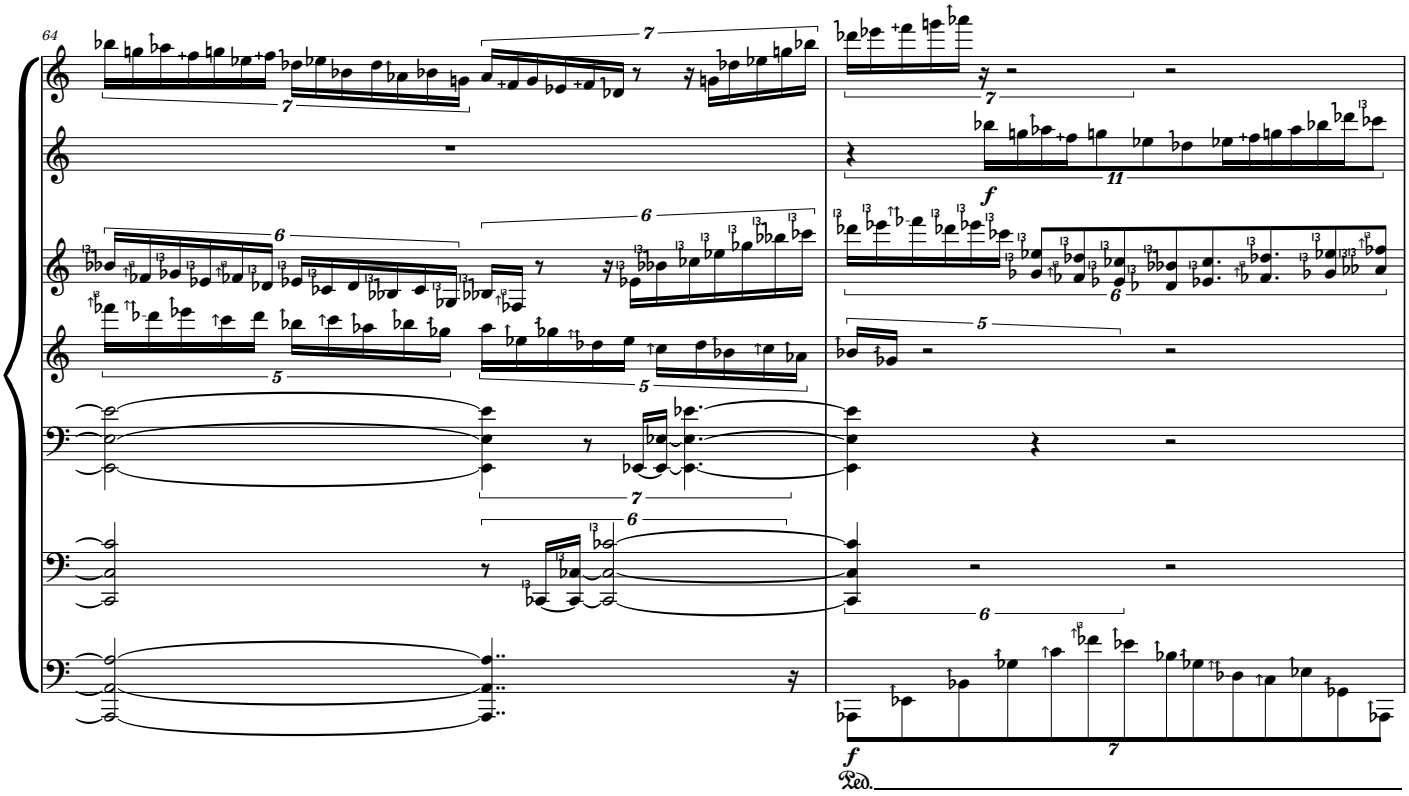

54

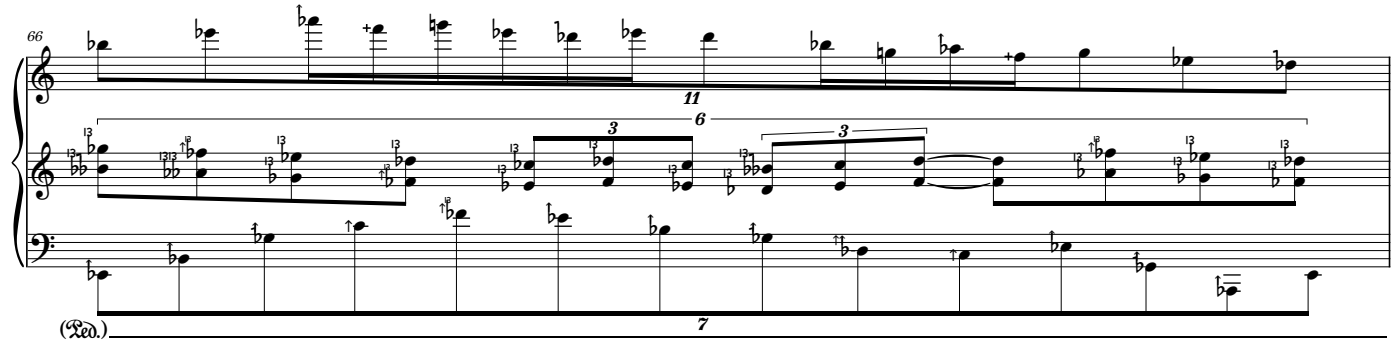

56
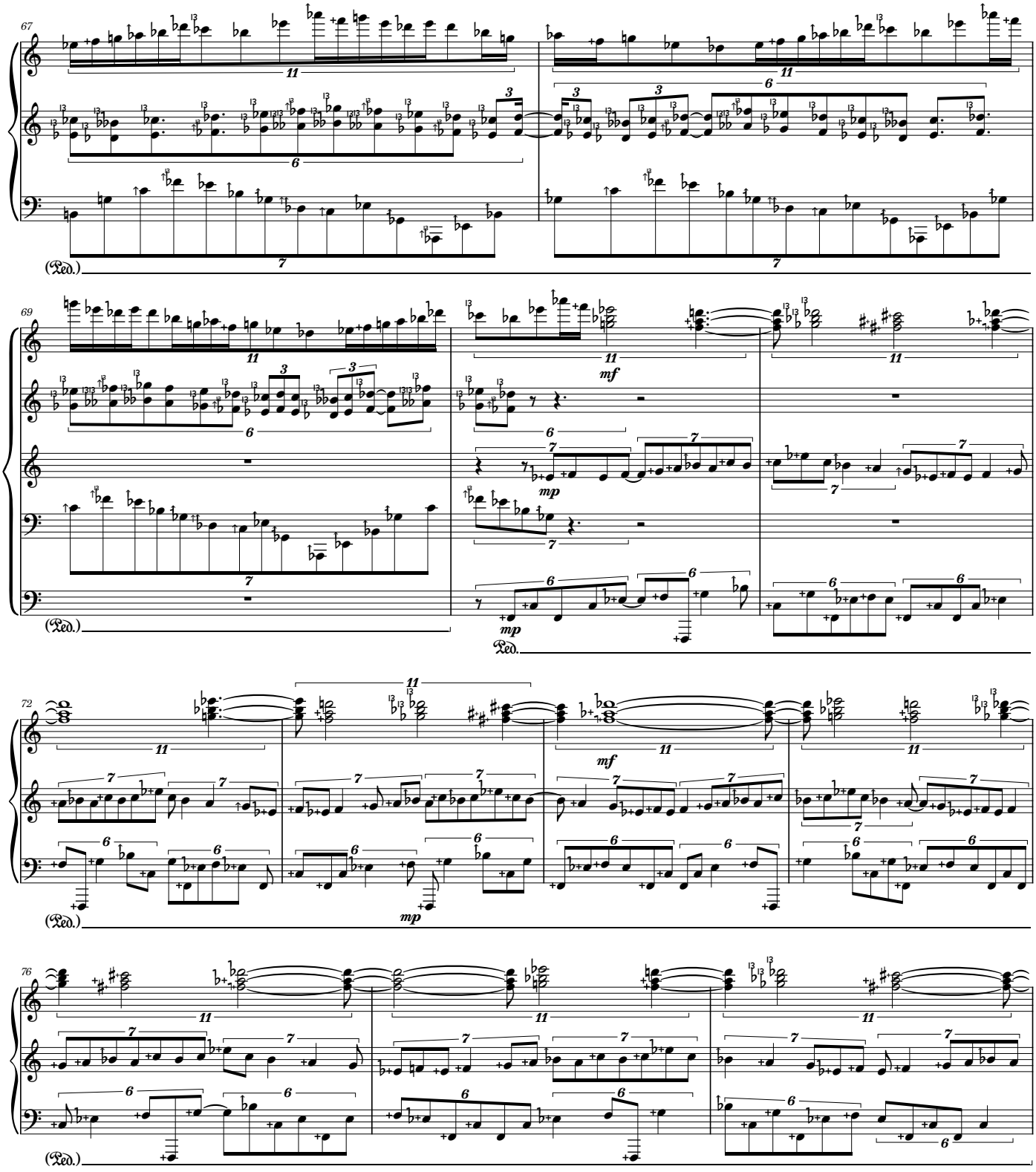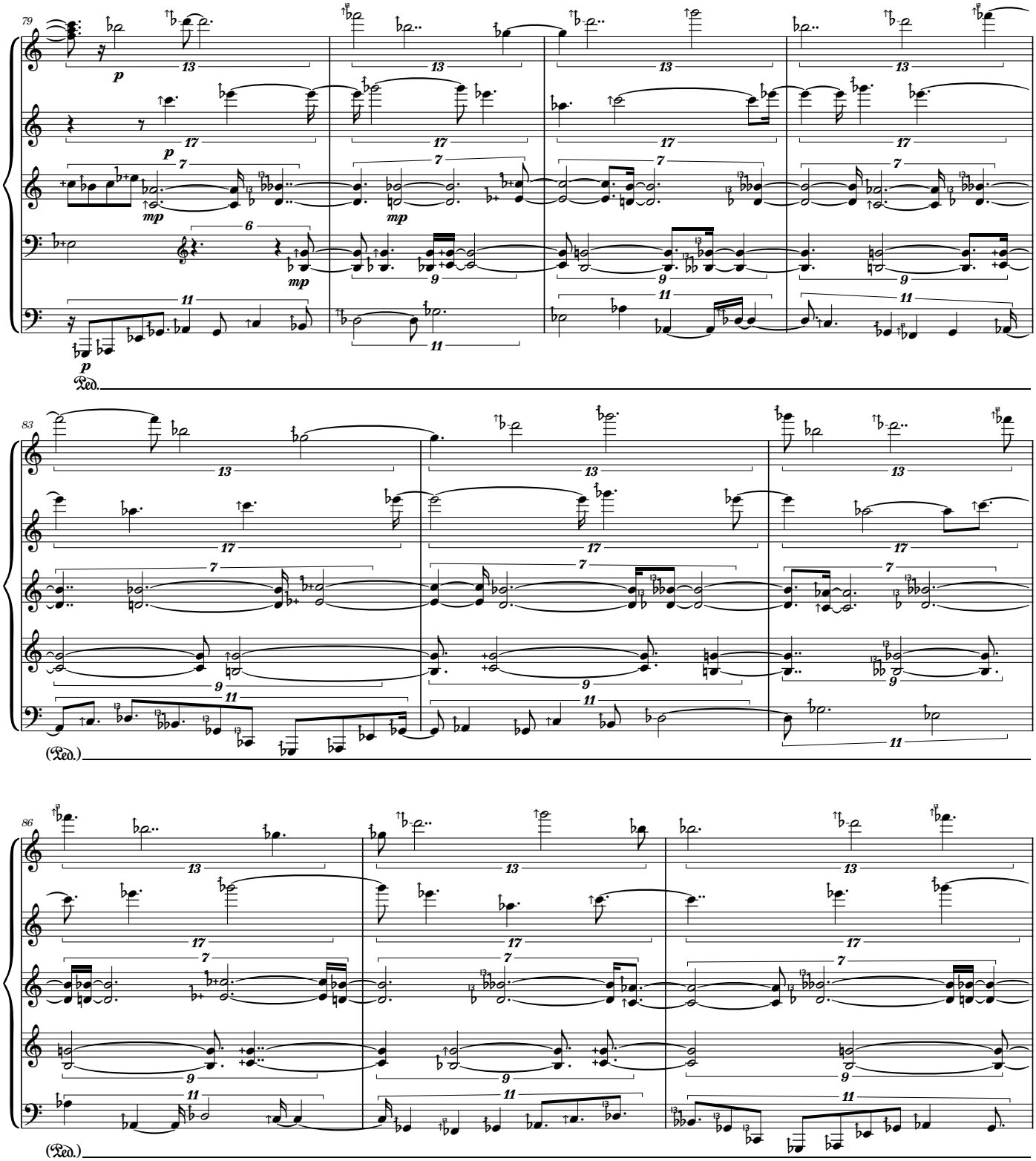



60
61
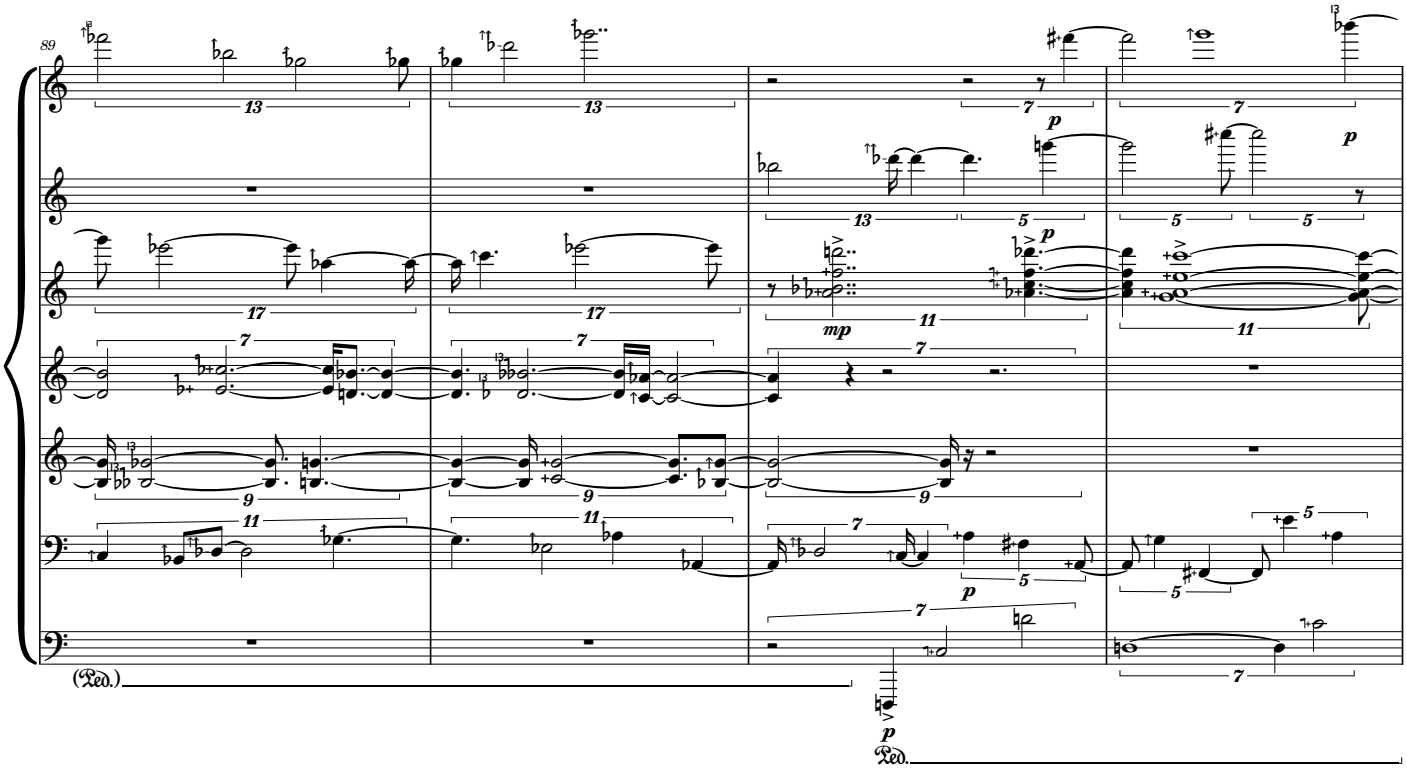

62
63

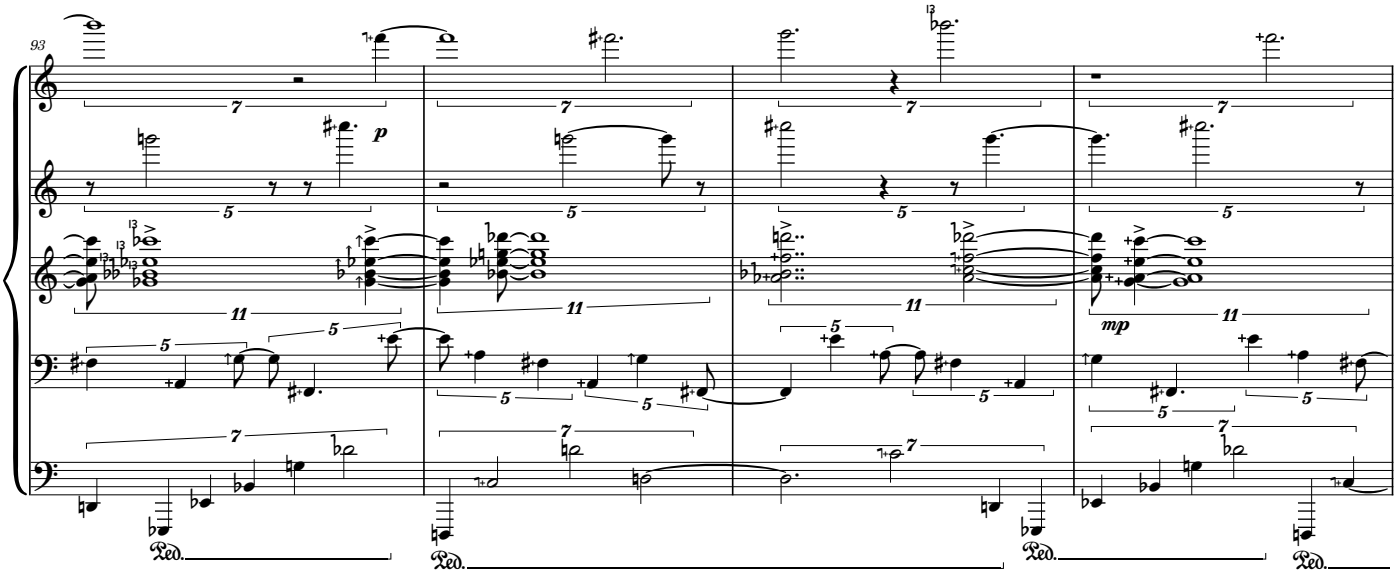

64
f
Ped.

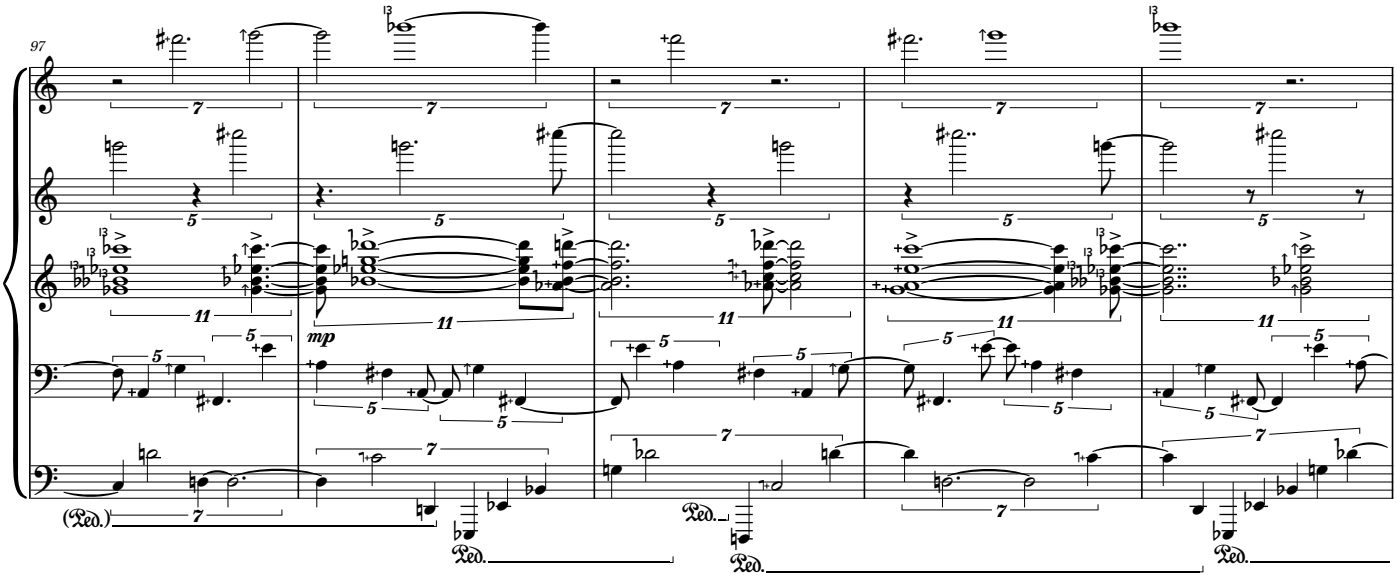

66
(Ped.)

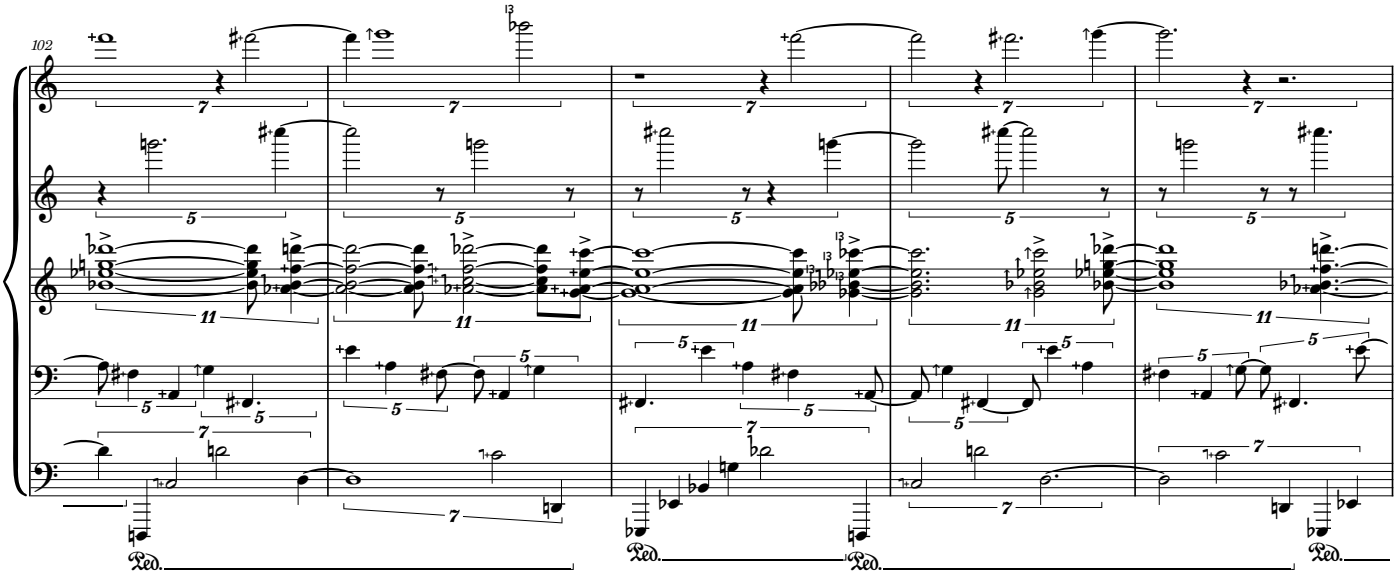

67
69
72
76
(Ped.)
mf
mp

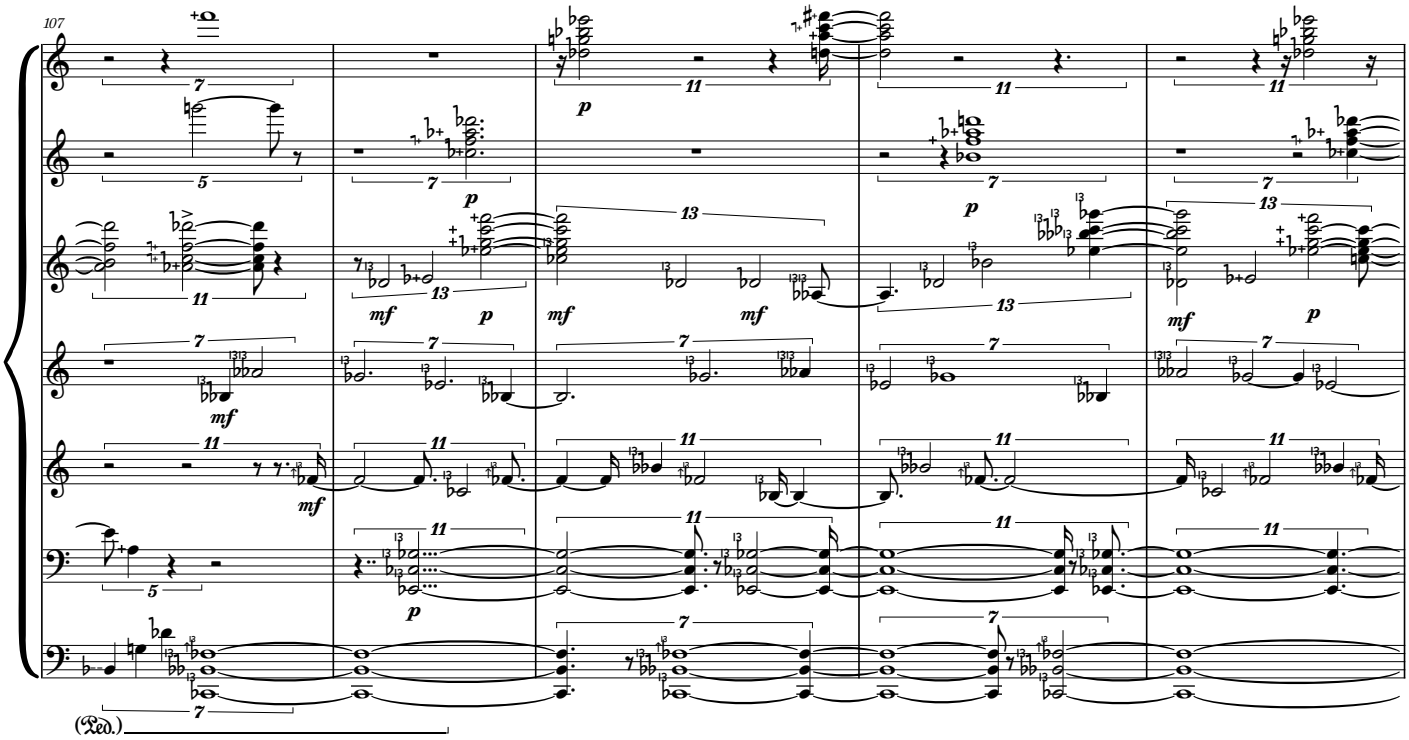

79
p
mp
mp
p
Ped.
83
(Ped.)
86
(Ped.)

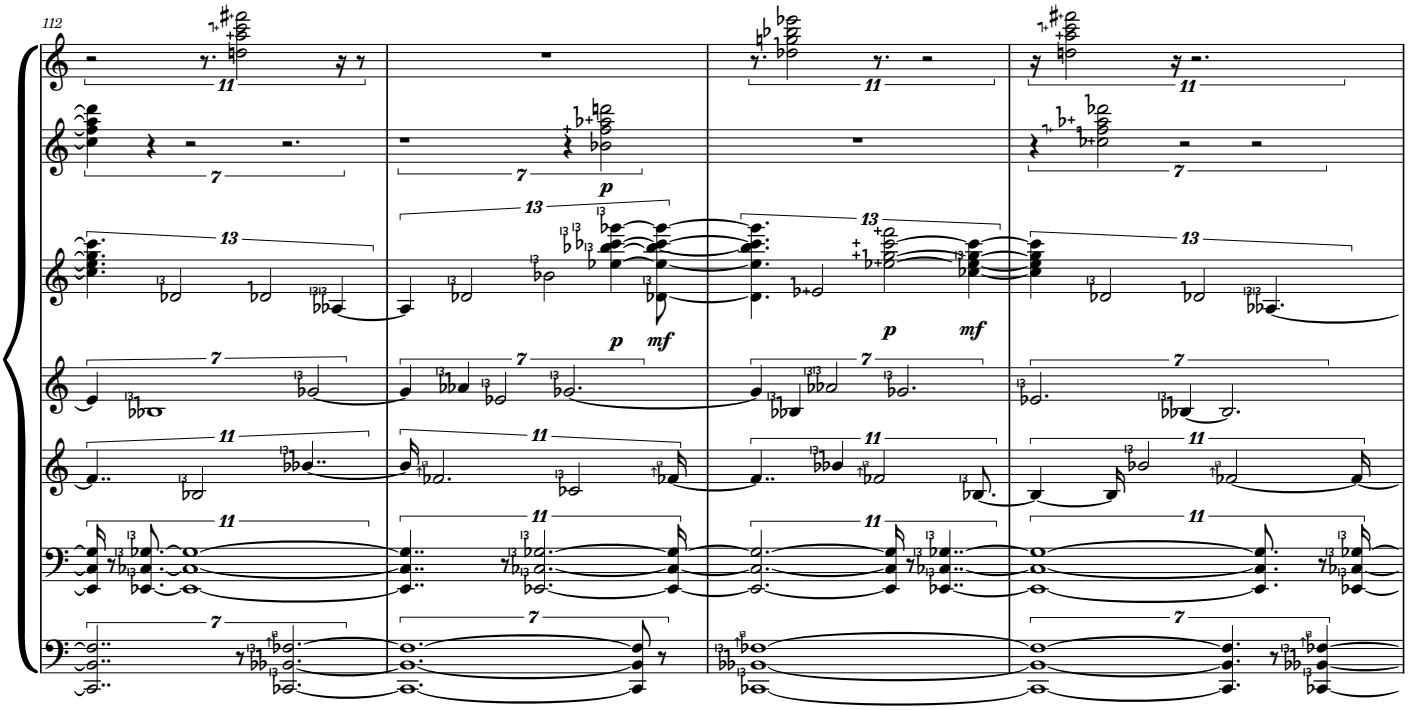

89
13
17
7
9
11
5
p
mp
(Ped.)
Ped.

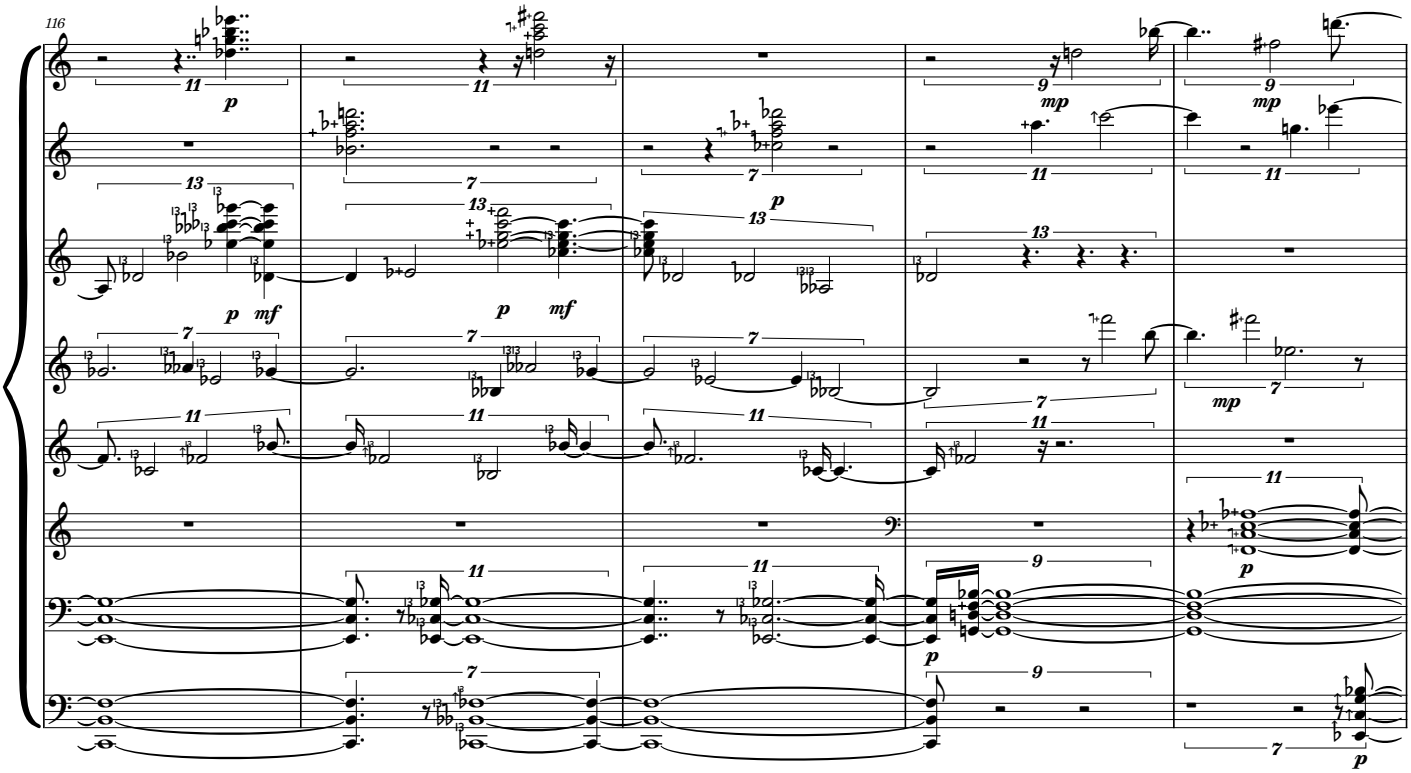

93
7
5
11
p
mp
Ped.

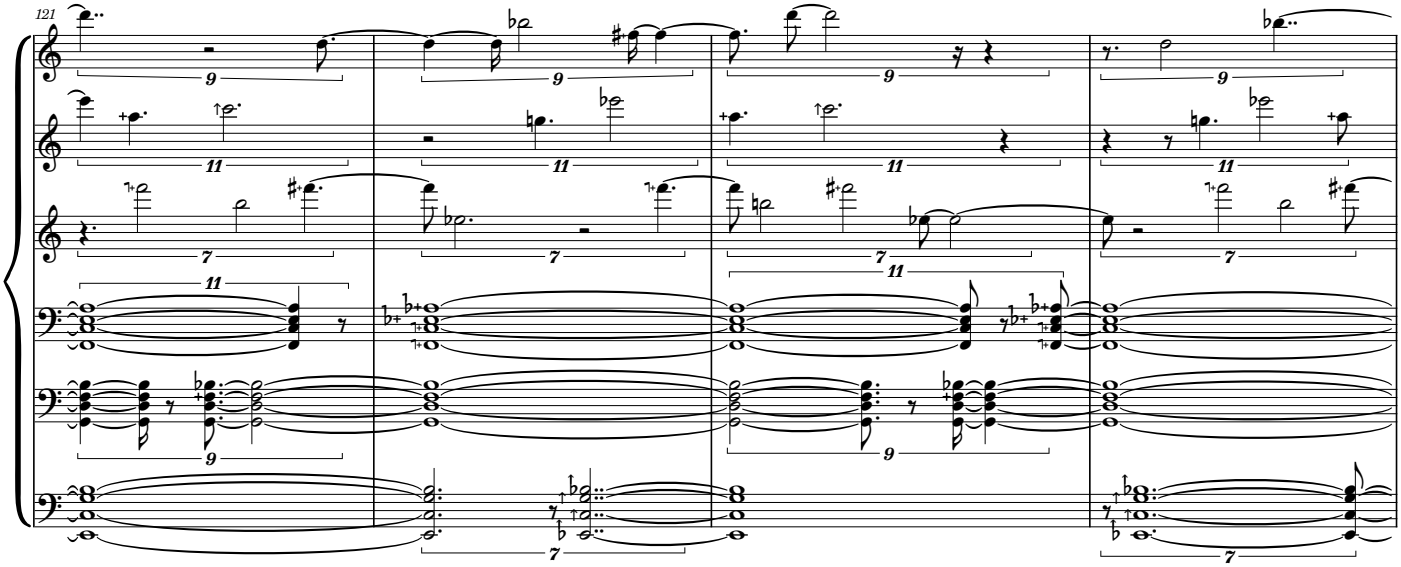

97
mp
(Ped.)
Ped.

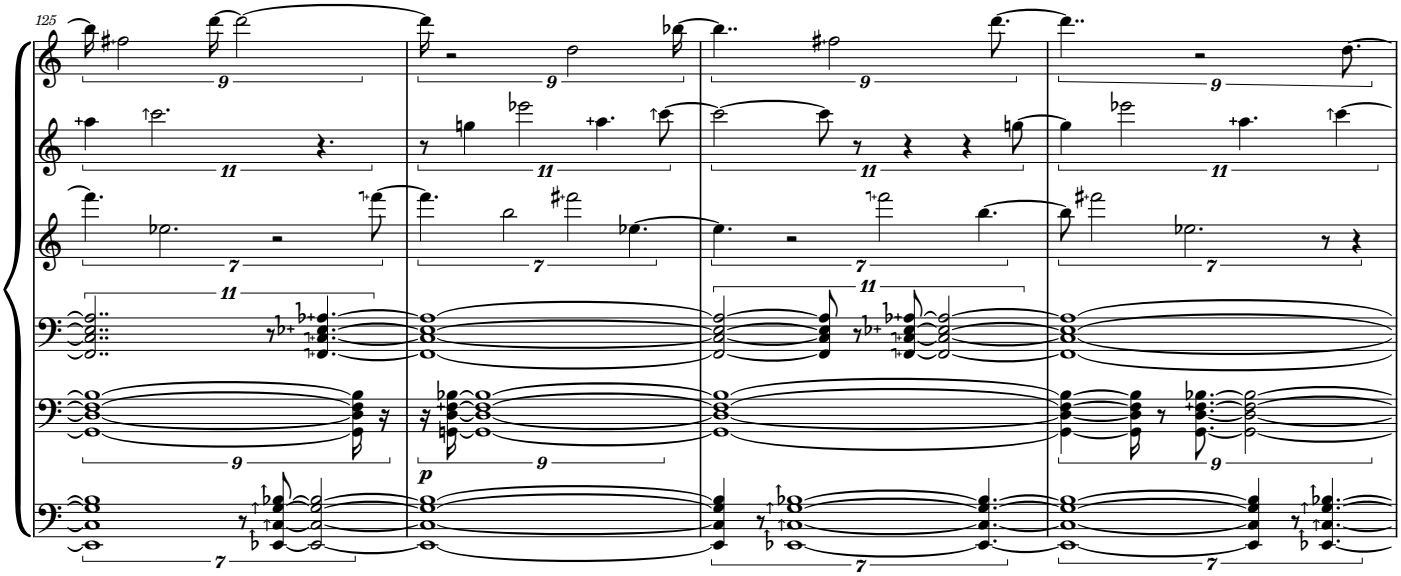

102
Ped.
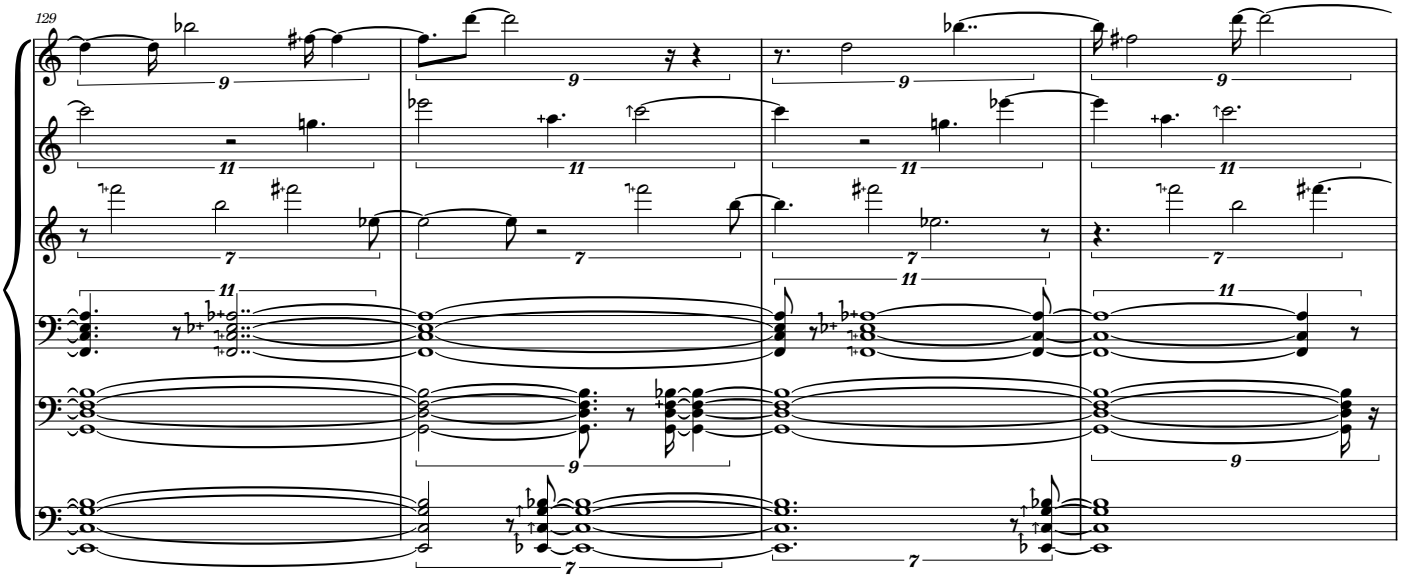

107
(Ped.)

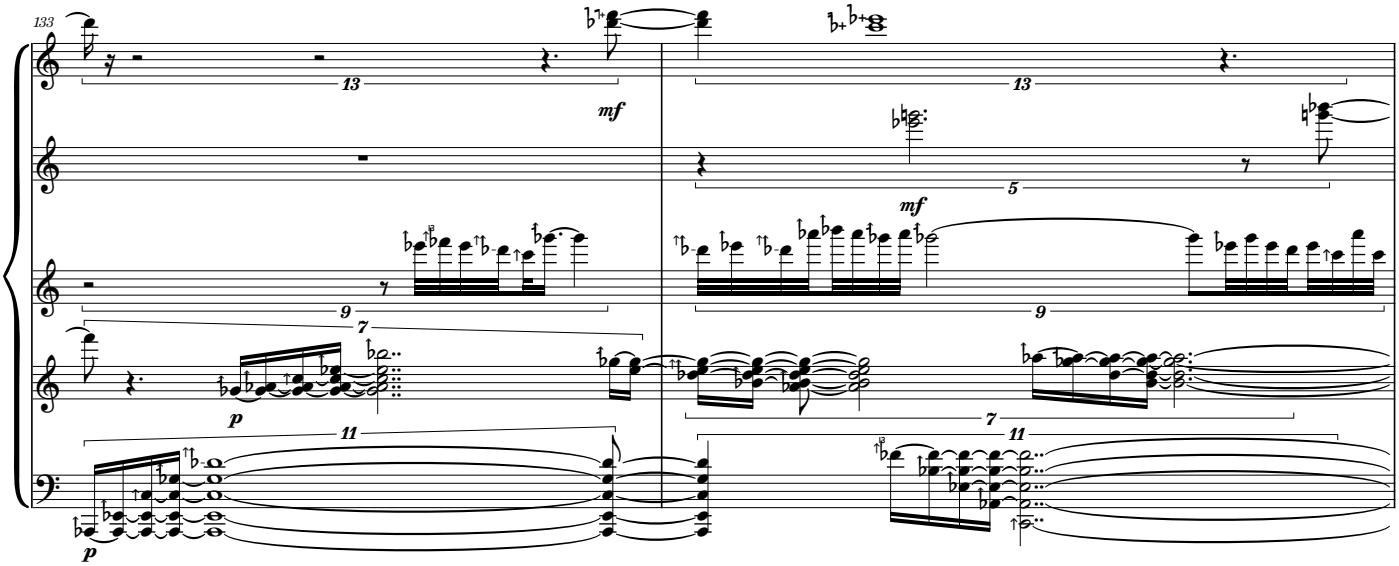

112

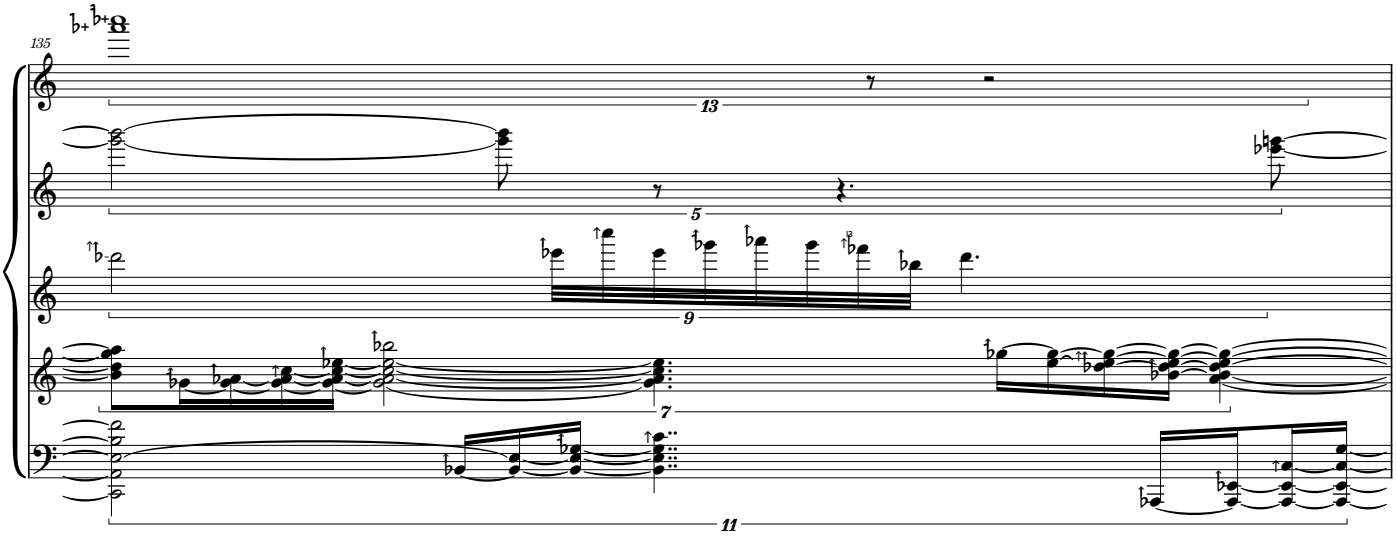

116
p
mf
mp

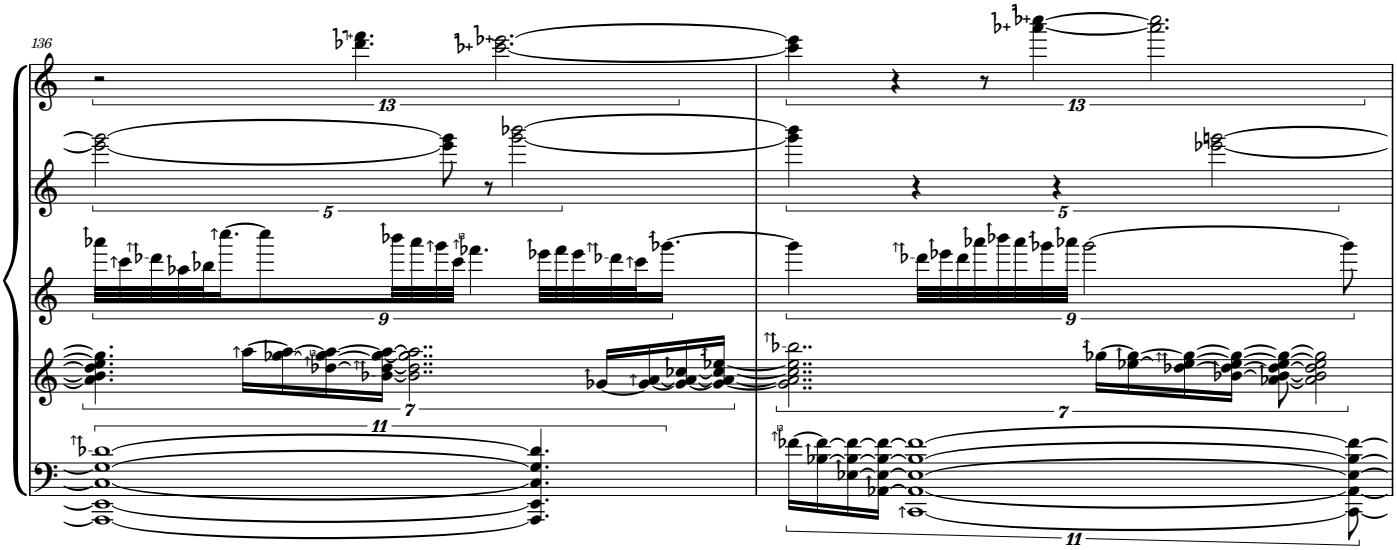

121

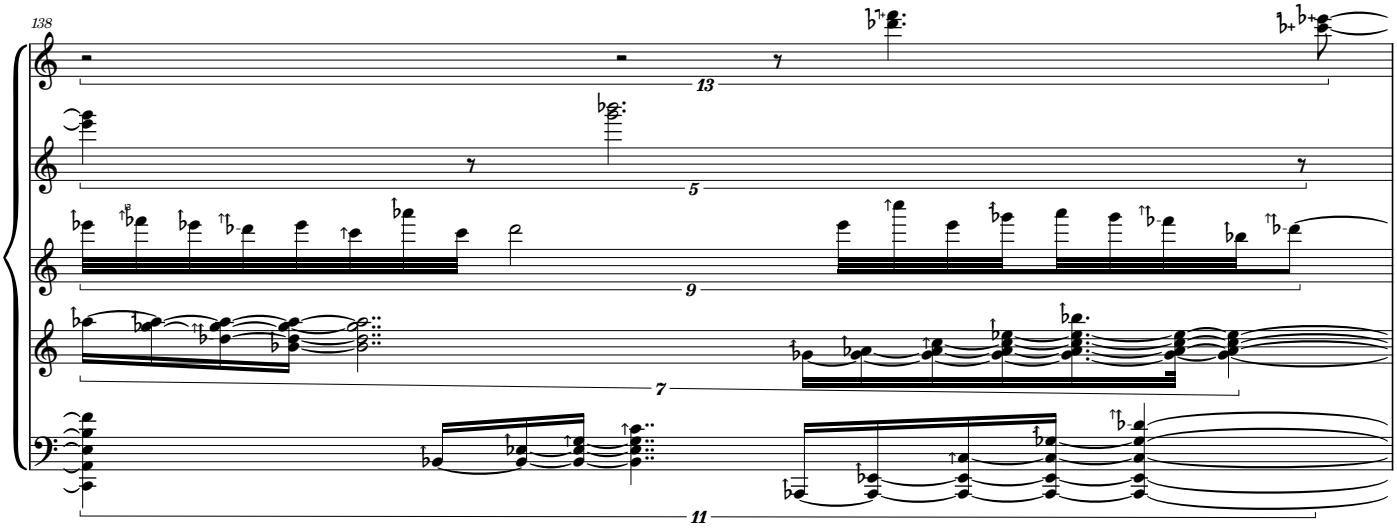

125
p
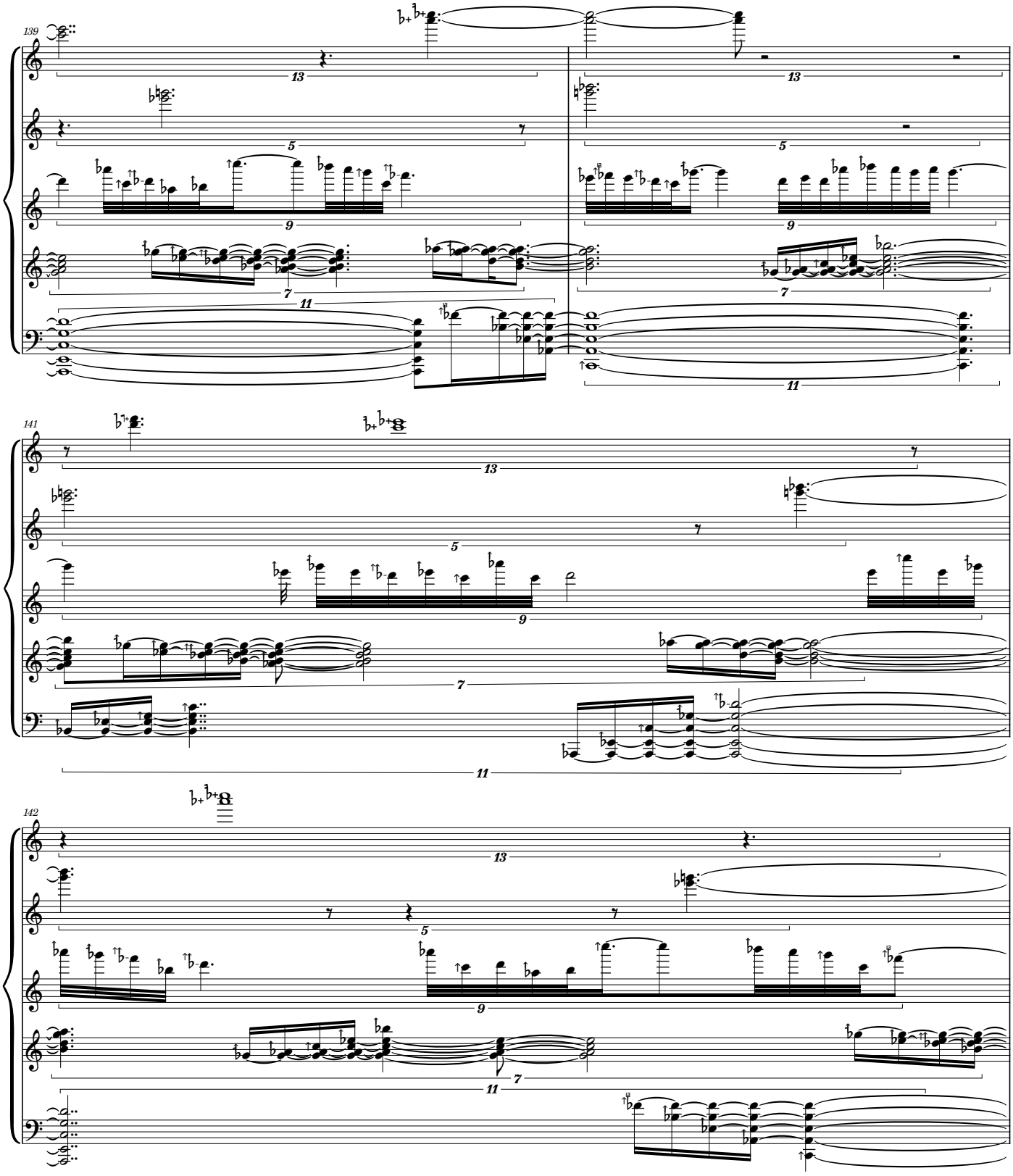

129
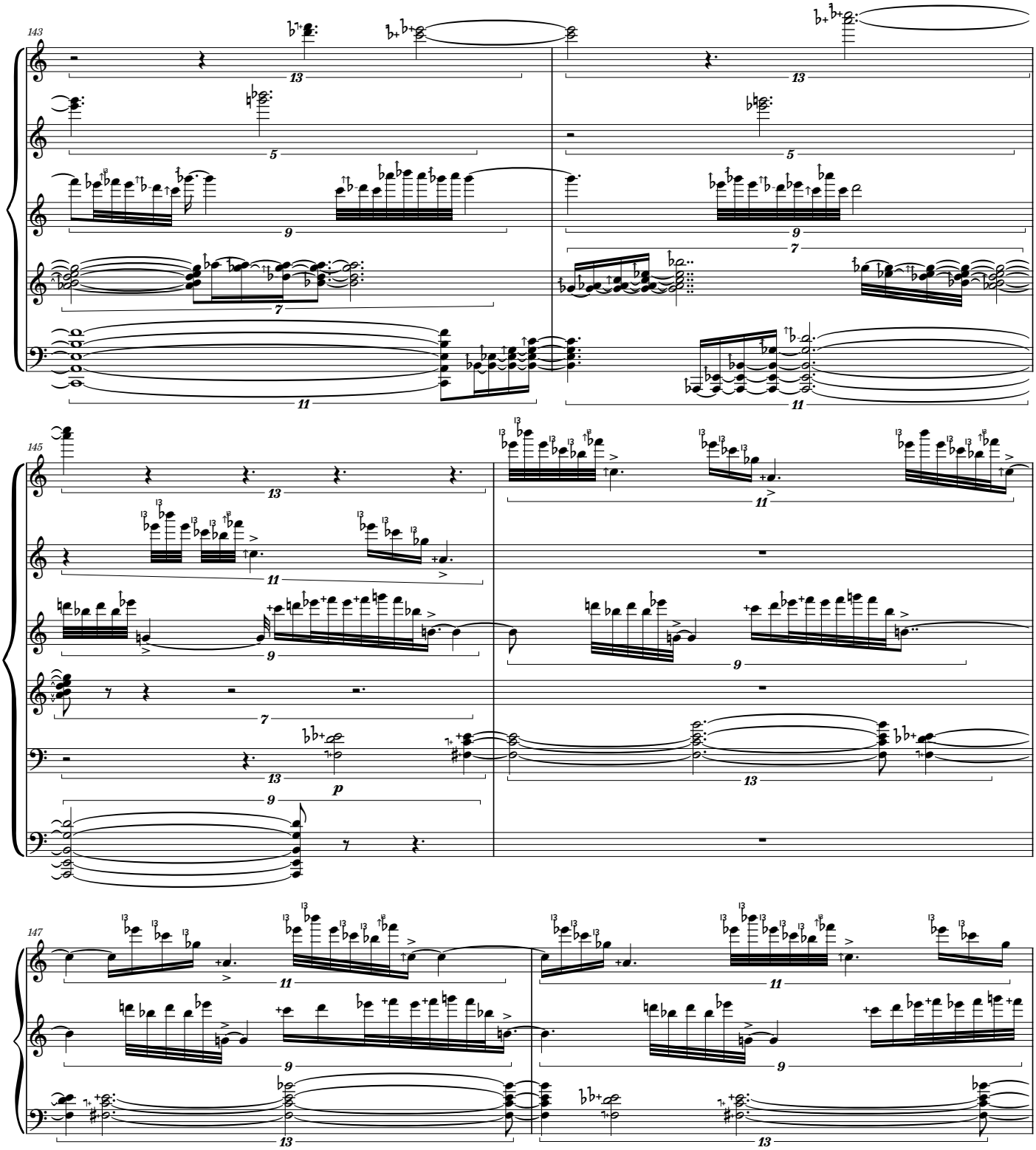

133
13
mf
13
5
mf
9
7
9
p
7
11
11
p
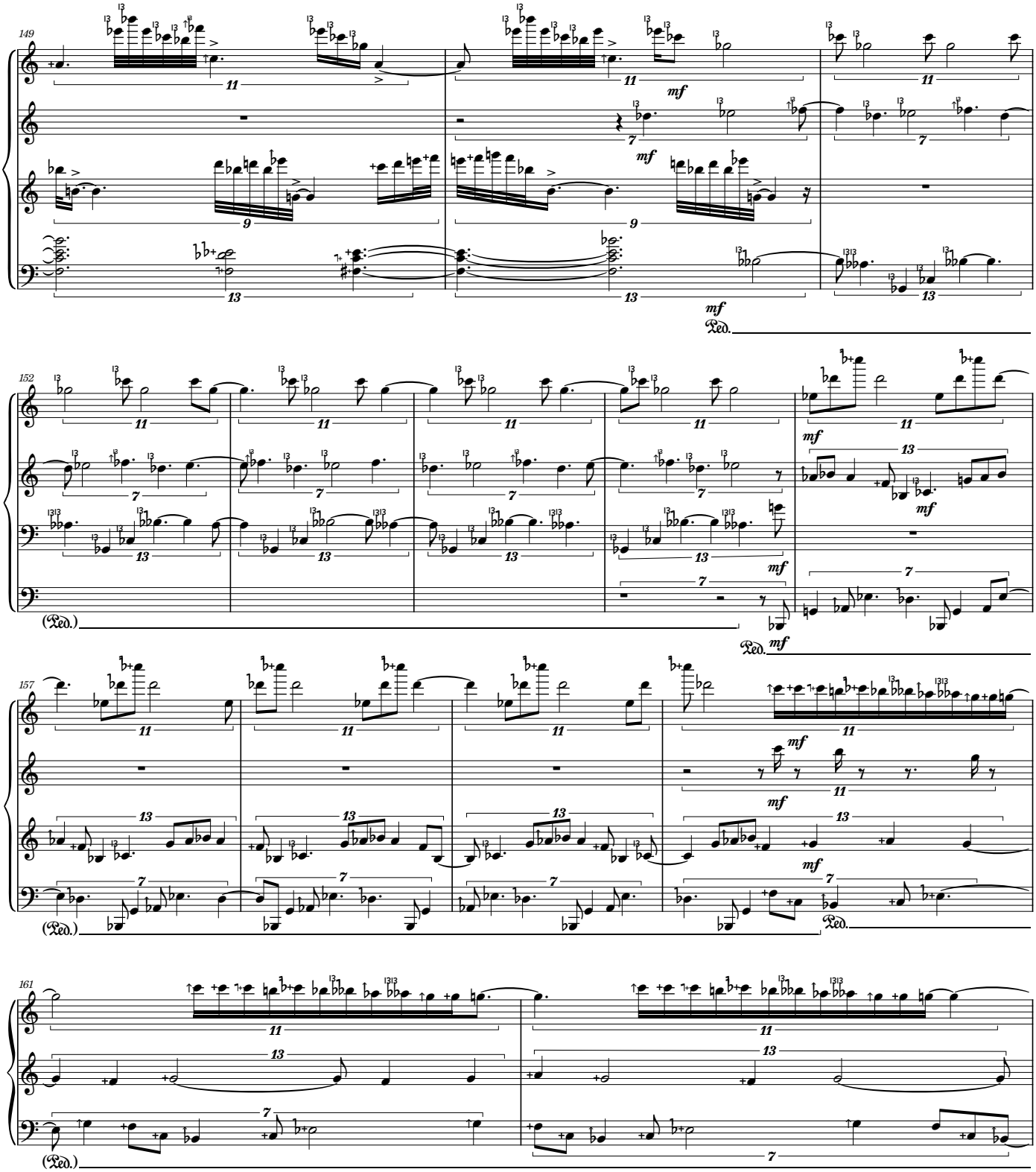

135
13
7
5
9
7
11
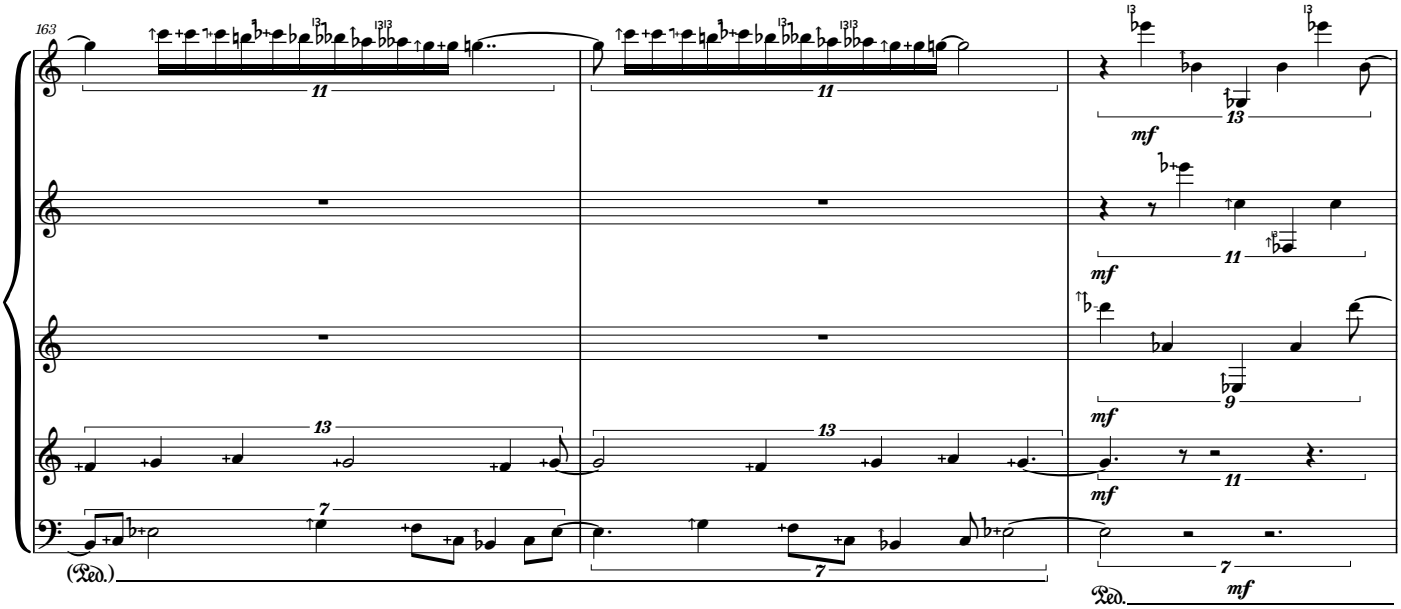

136
13
5
9
7
11
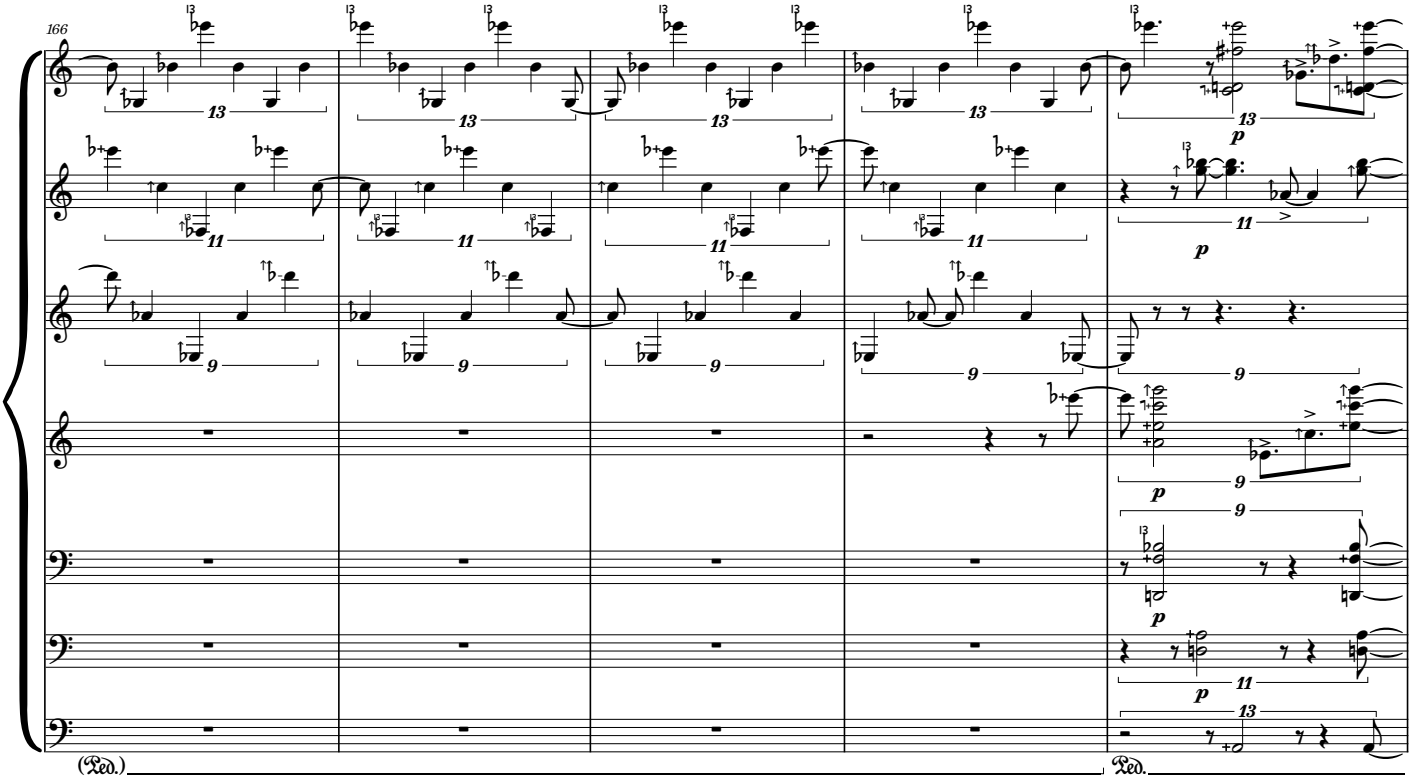

138
13
5
9
7
11
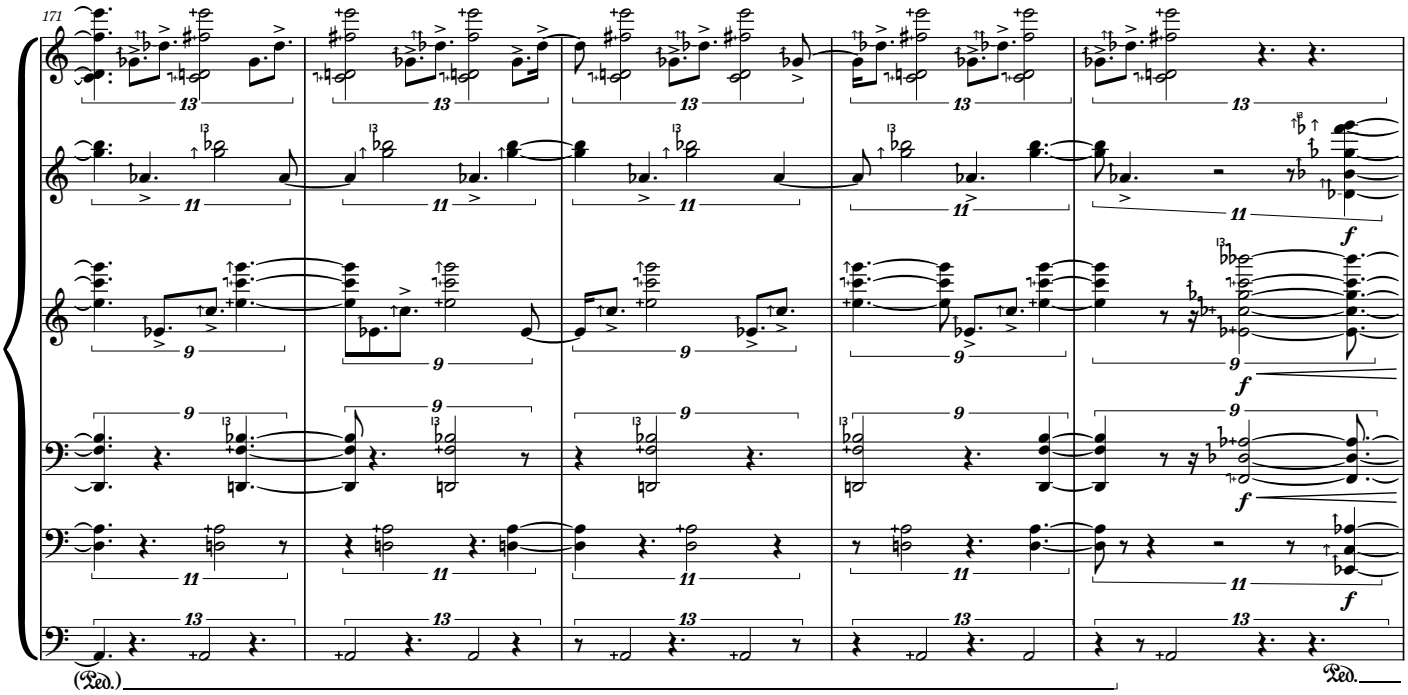

139
141
142

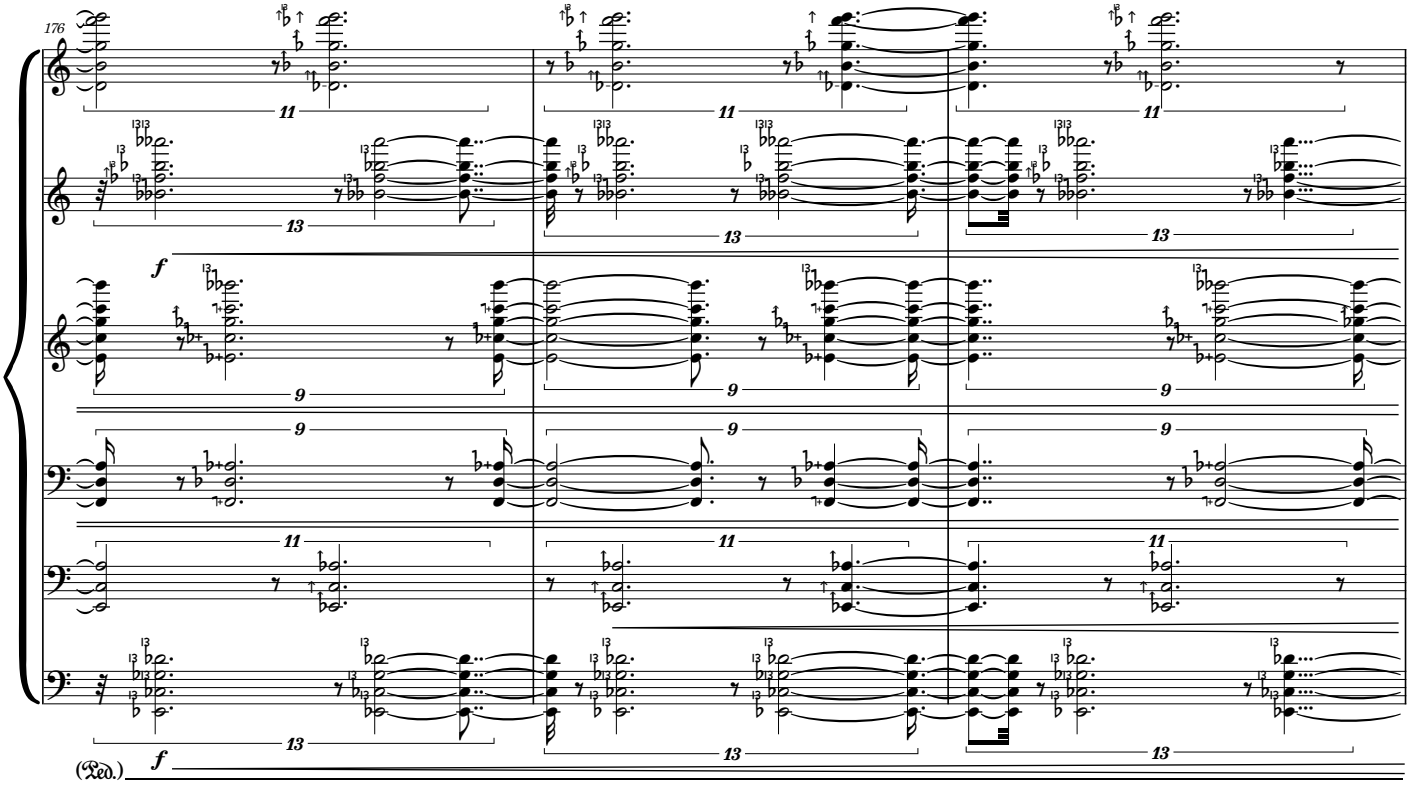

143
145
147
p

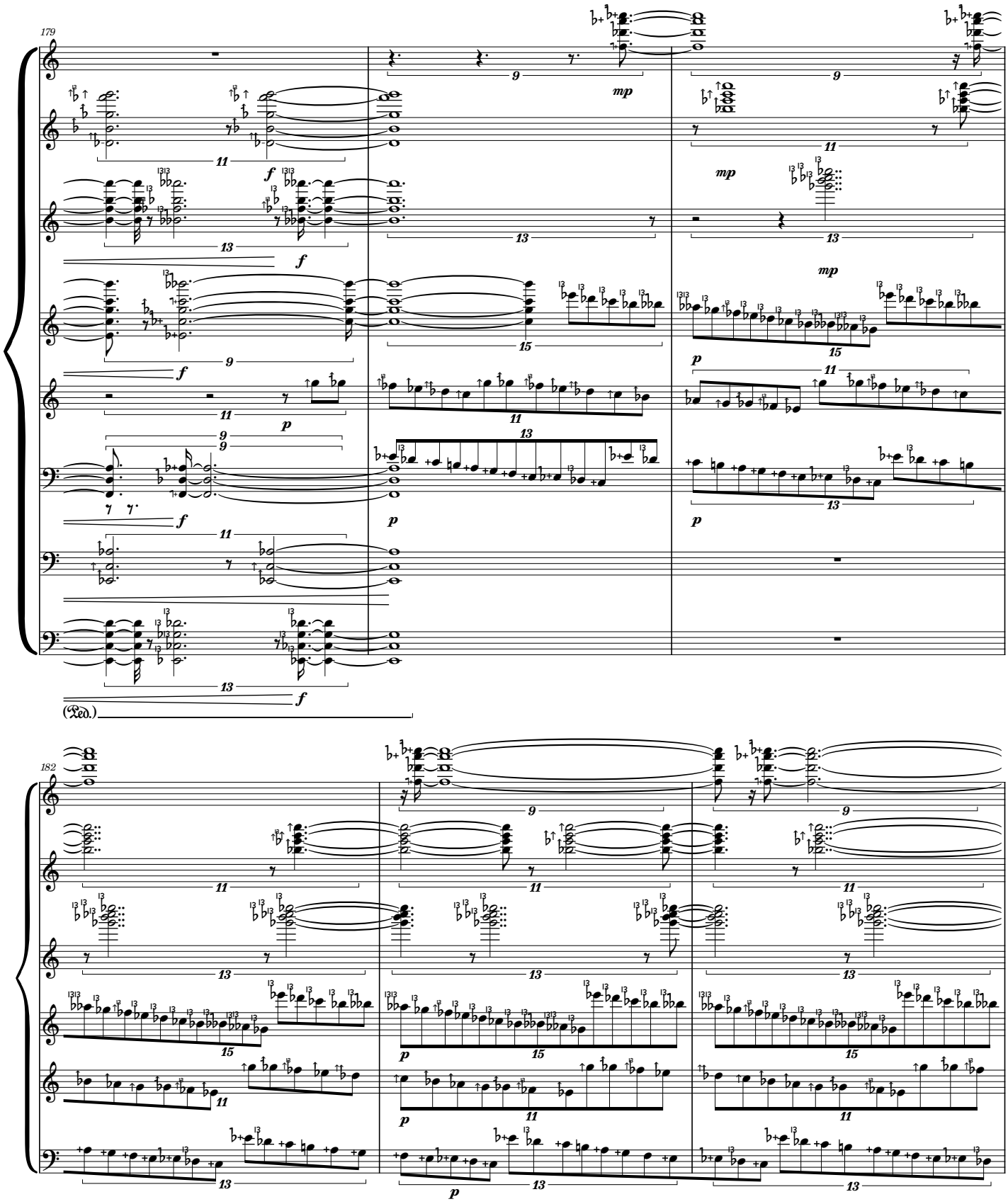

149
mf
Ped.
152
mf
(Ped.)
Ped.
157
mf
(Ped.)
Ped.
161
(Ped.)

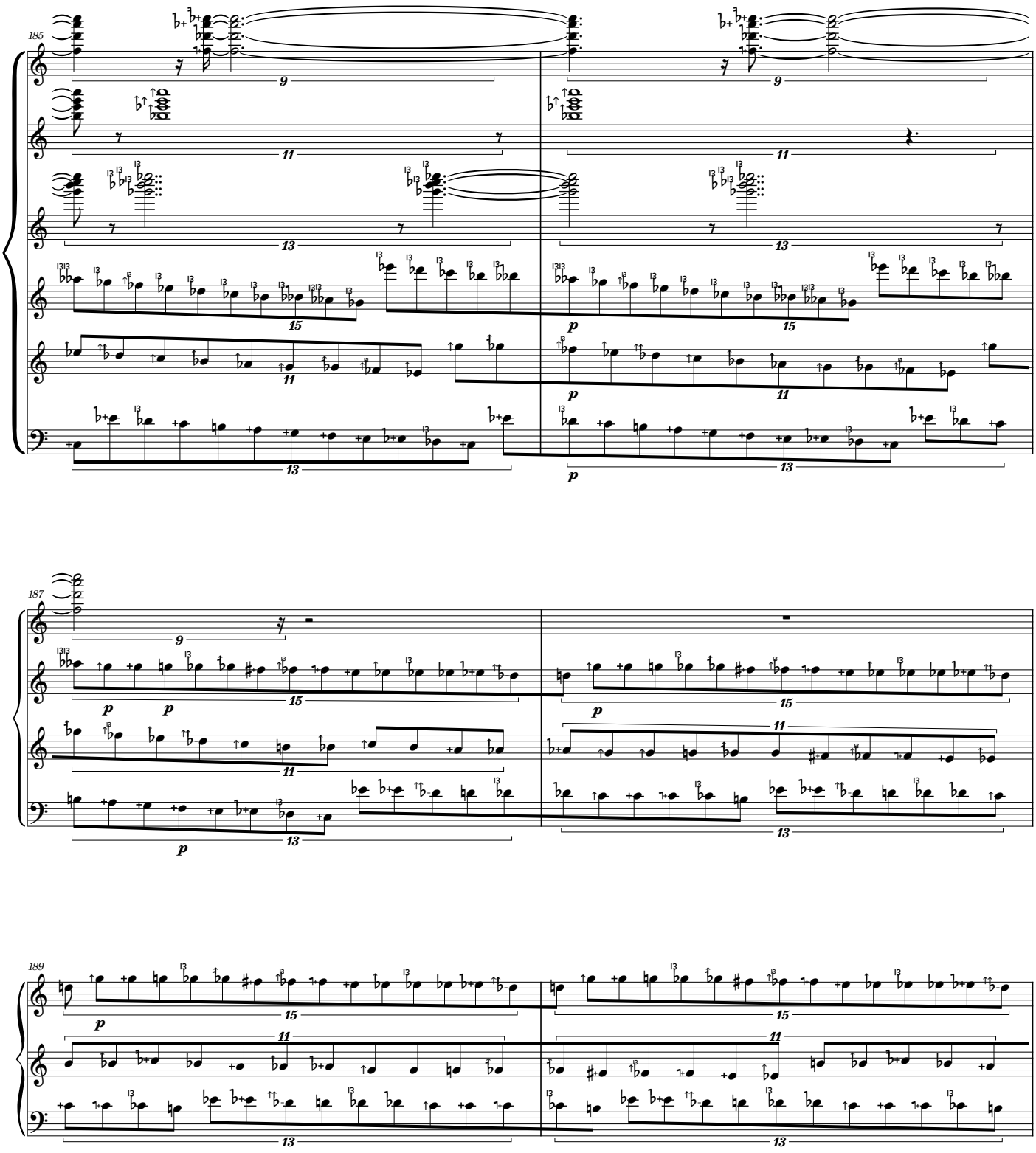

163
mf
(Ped.)
Ped.

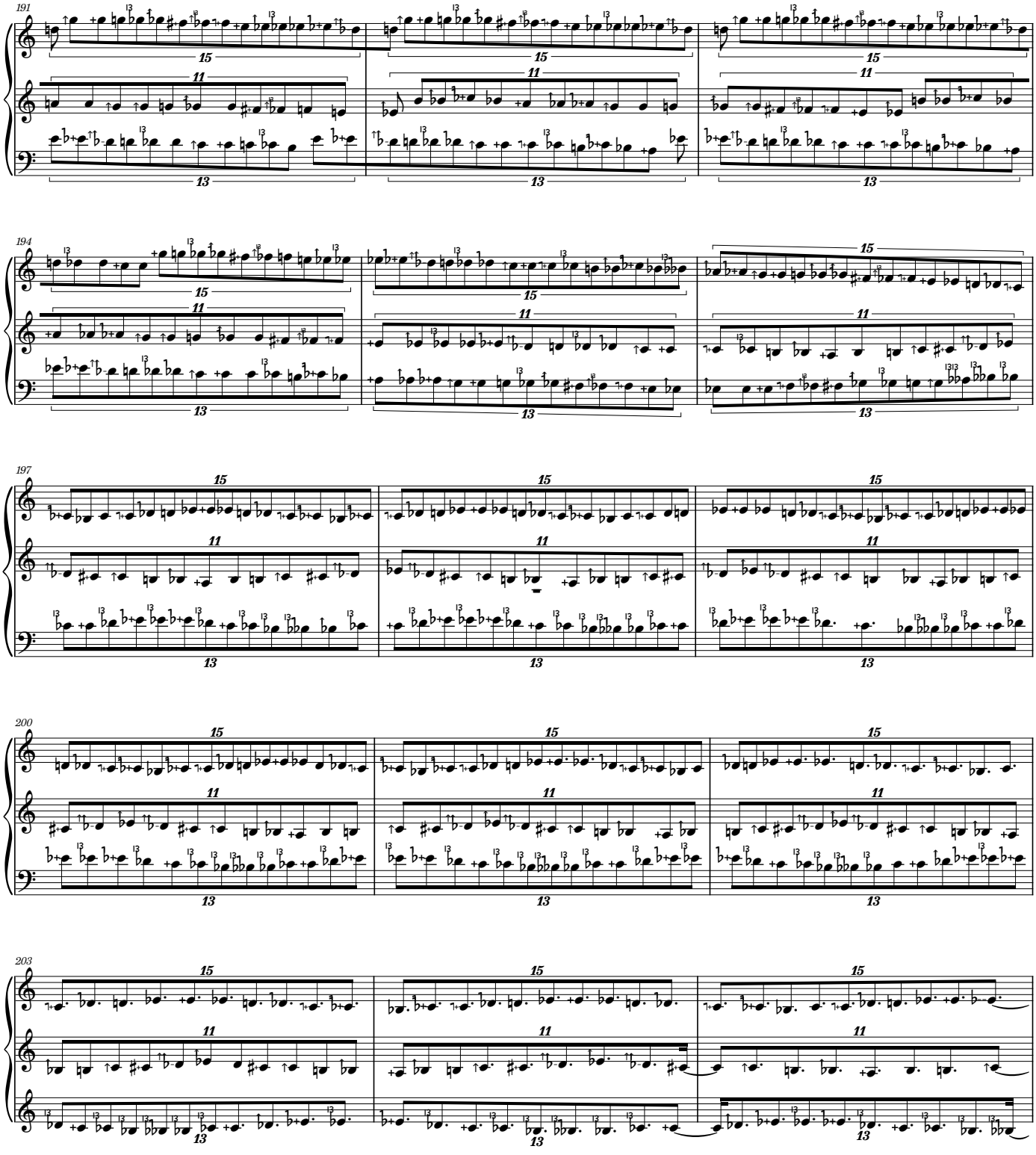

166
p
(Ped.)
Ped.
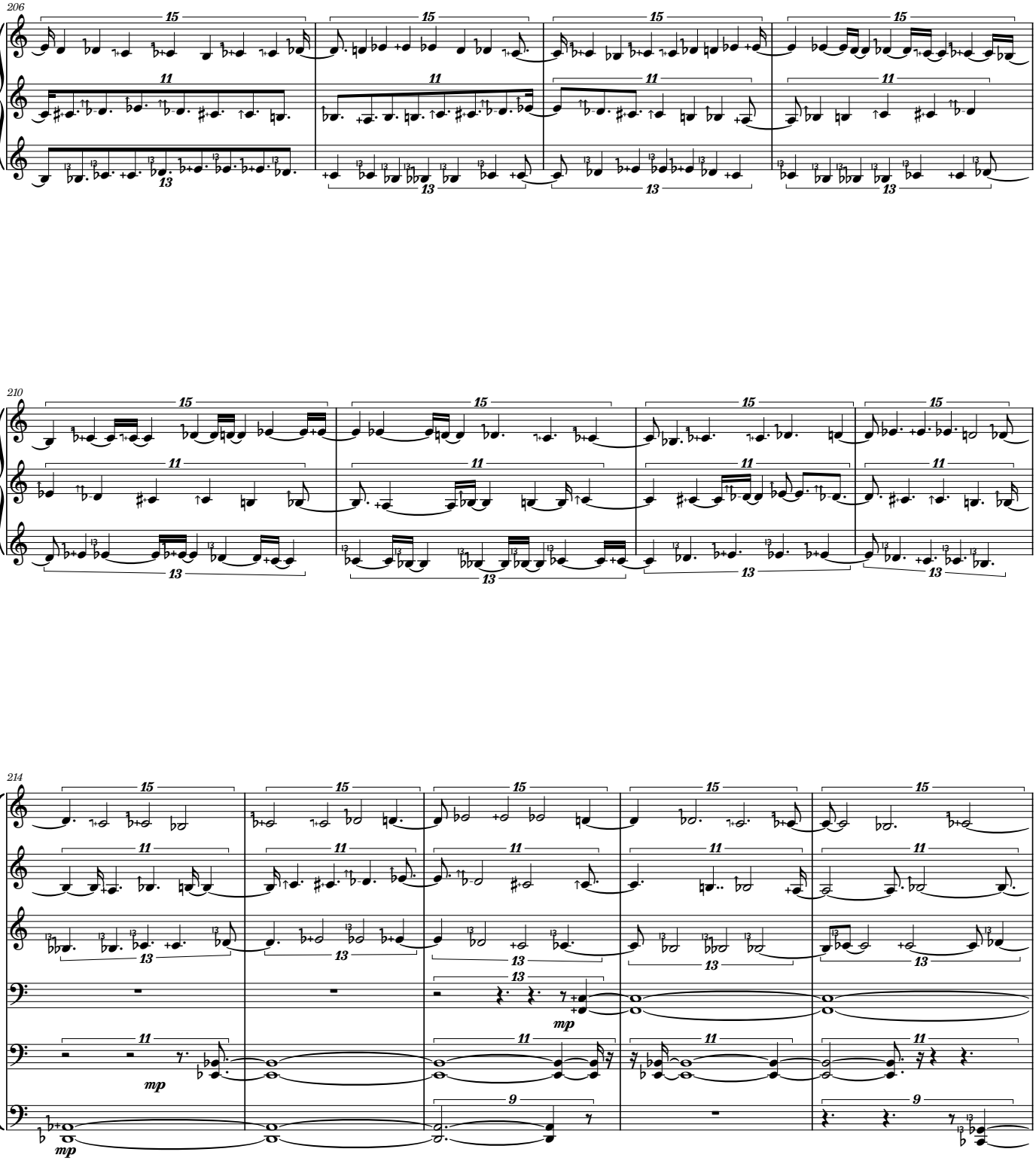

171
(Ped.)
Ped.
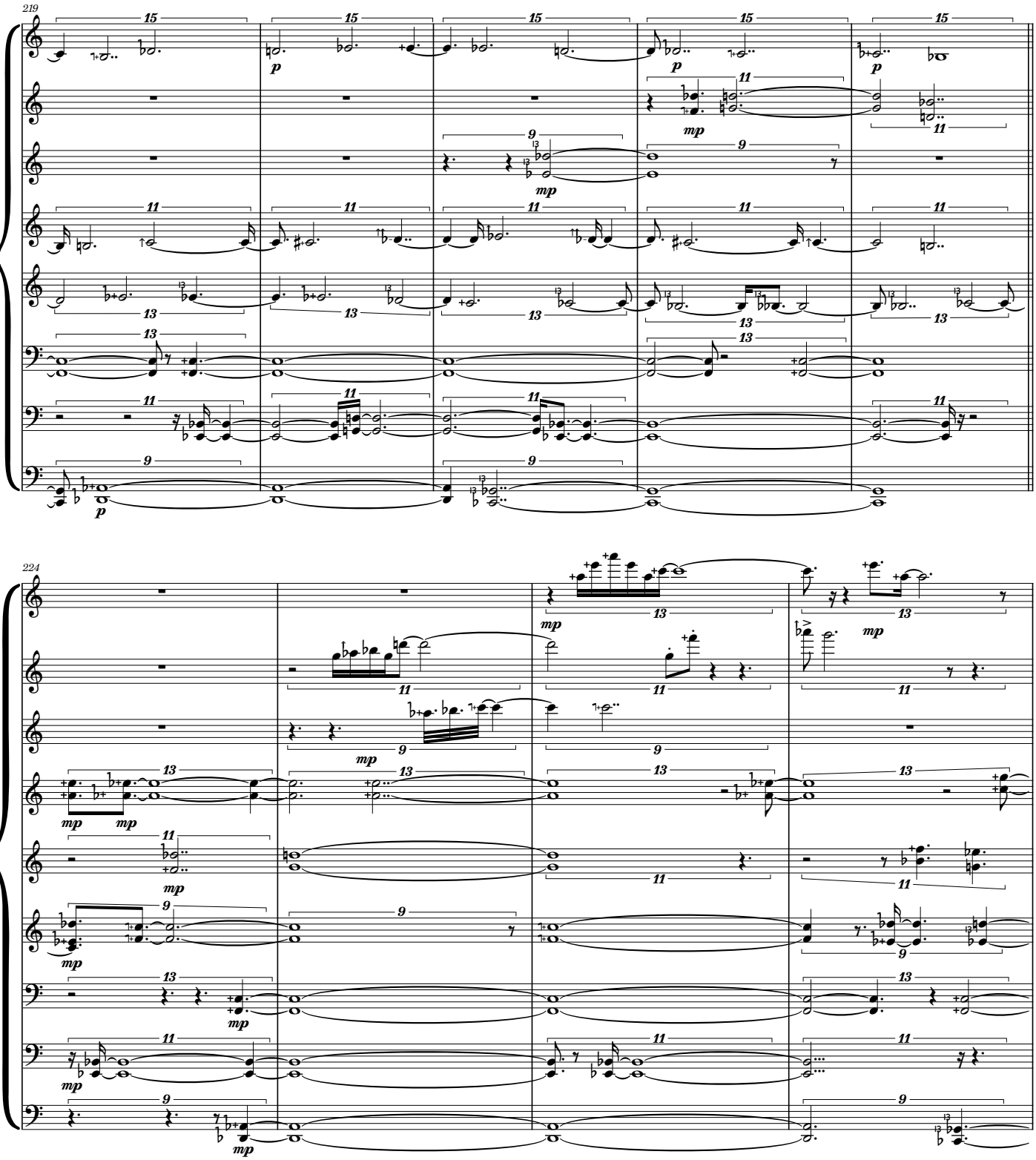

176
(Ped.)
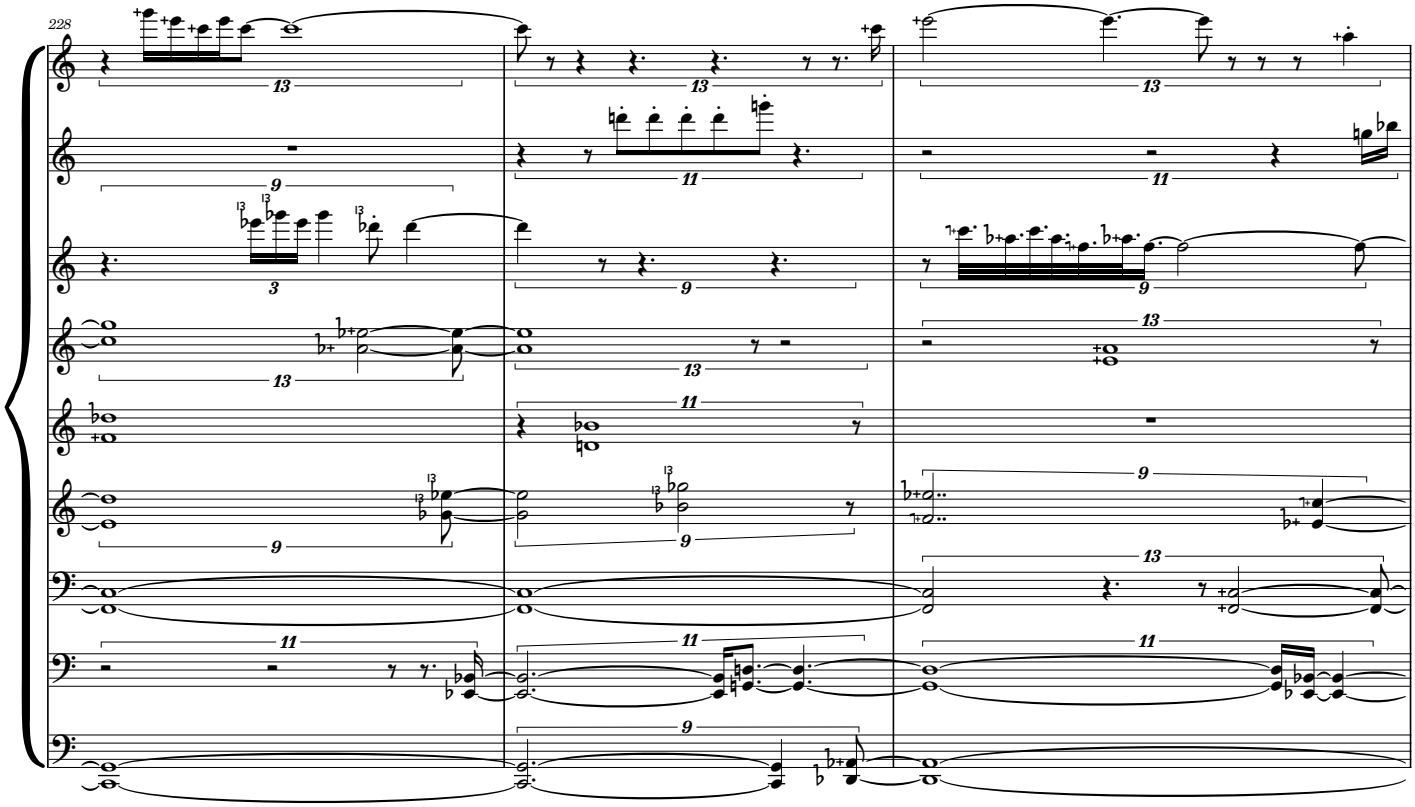

179
182
(Ped.)
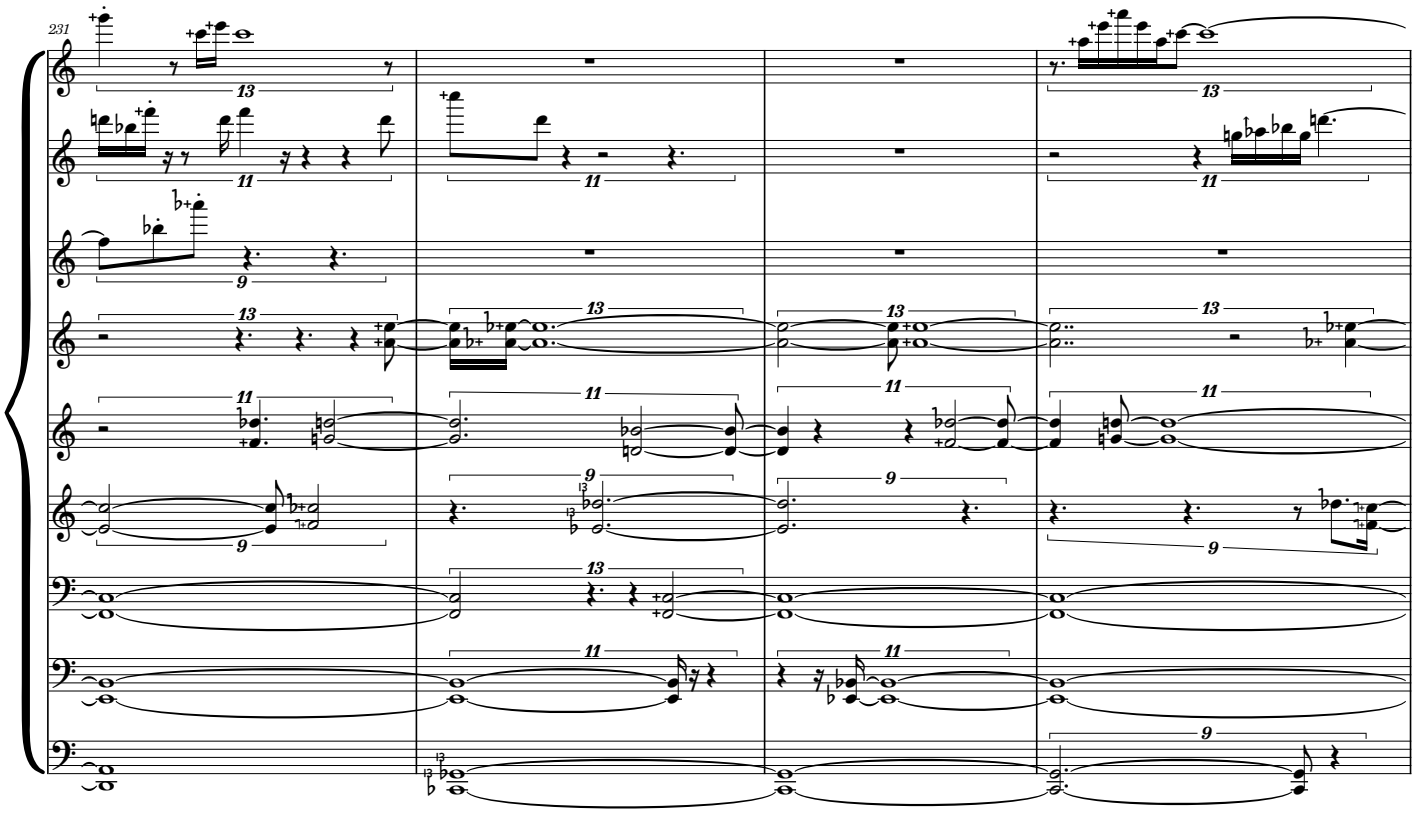

185
187
189
9
11
13
15
p

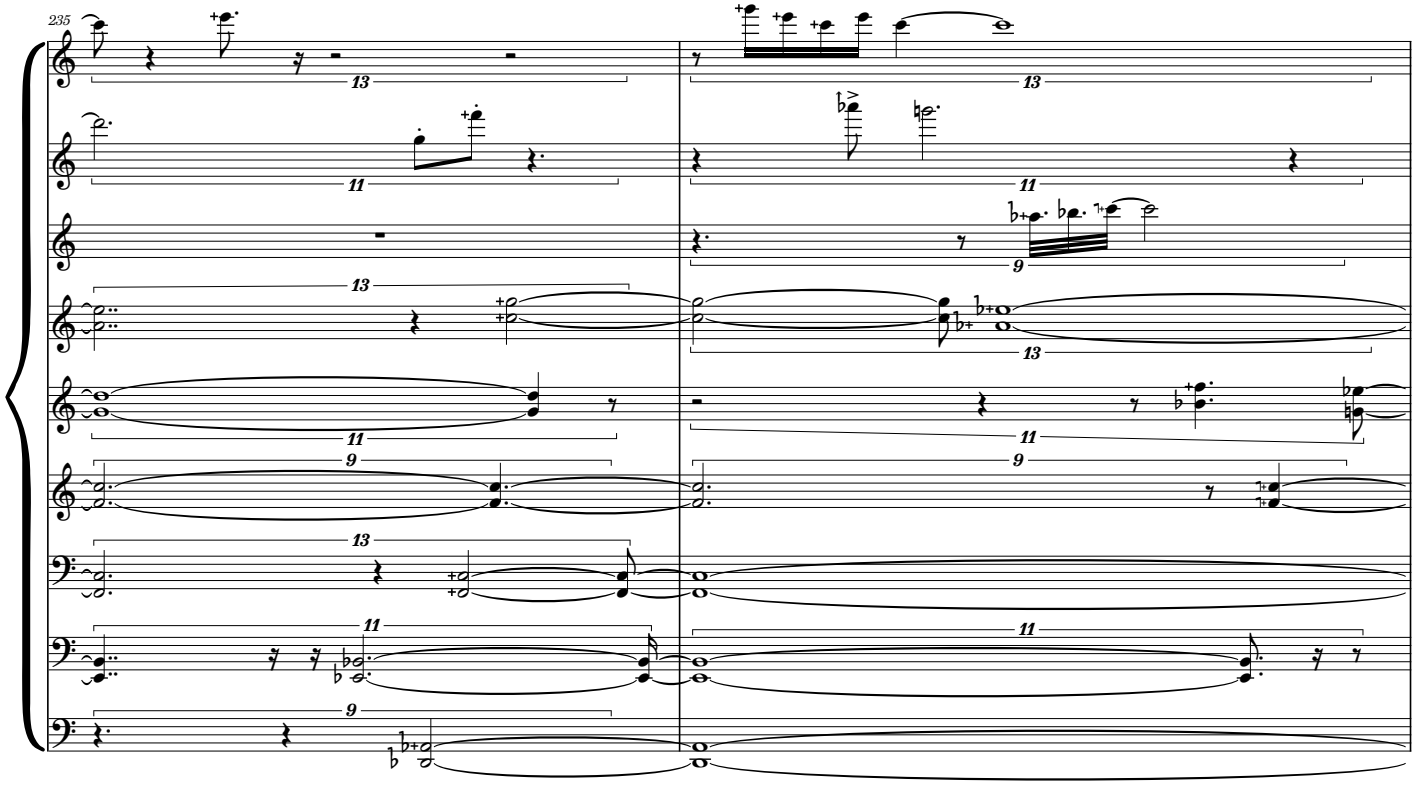

191
194
197
200
203
15
11
13

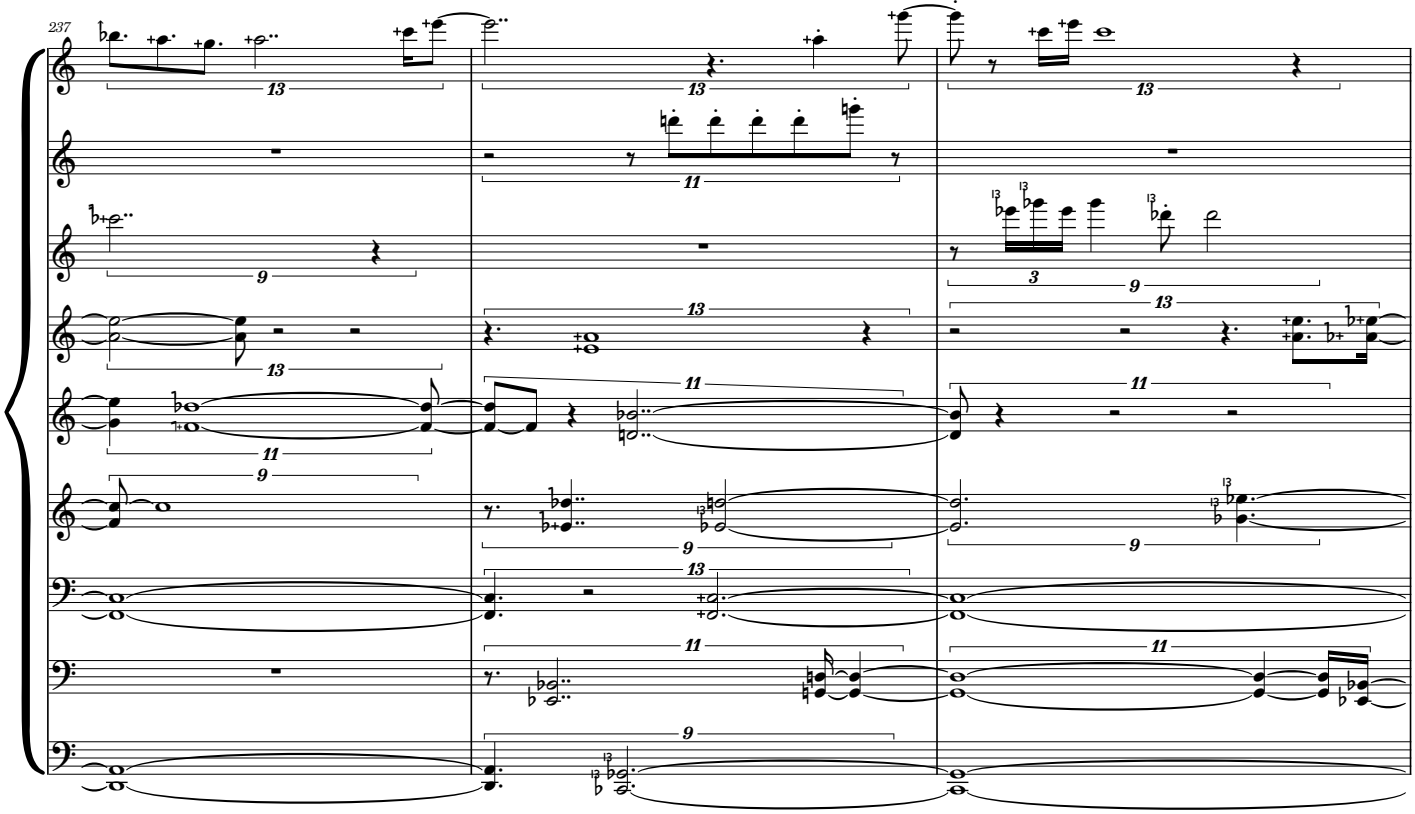

206
15
11
13
210
214
mp
9
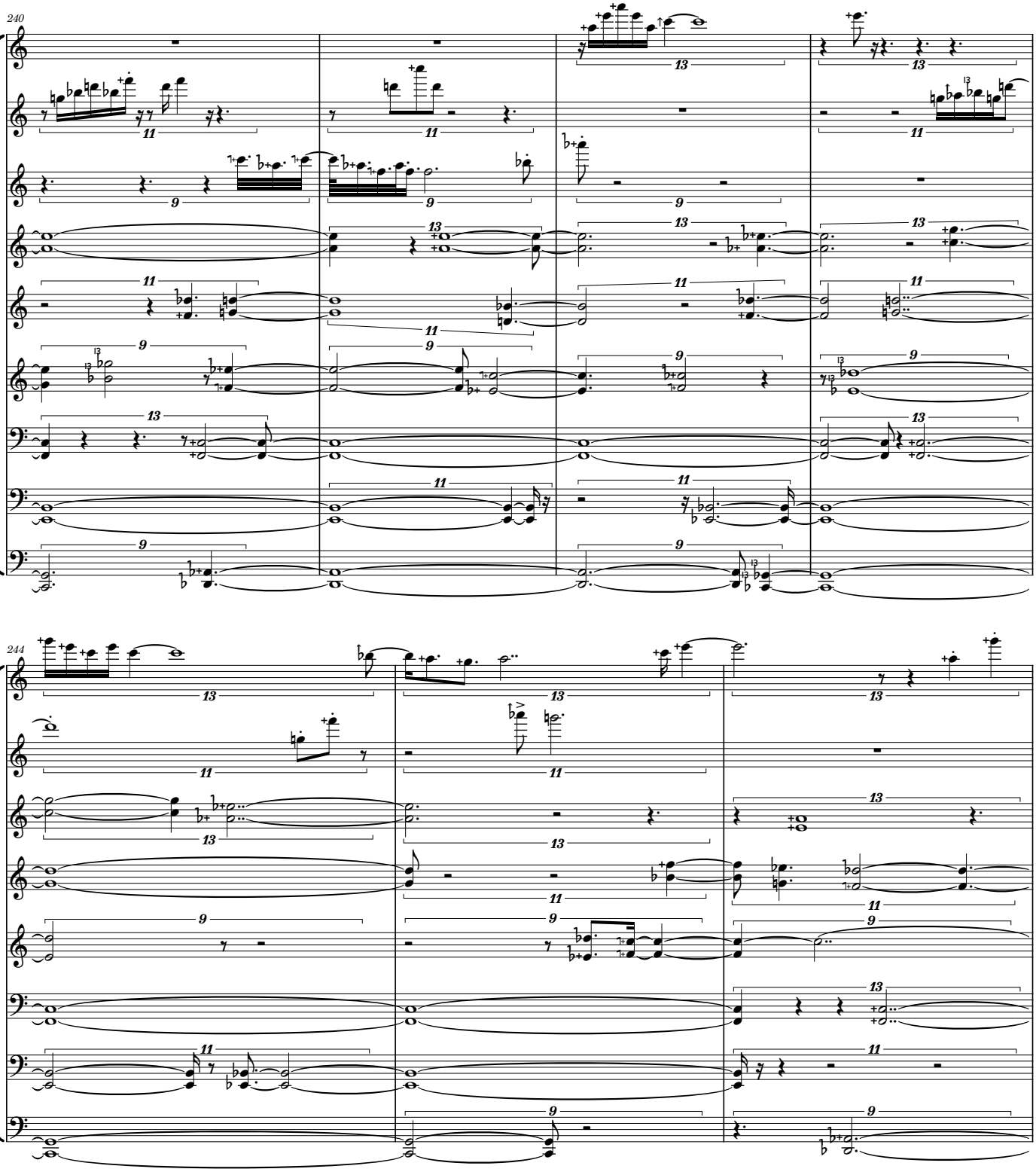

219
224
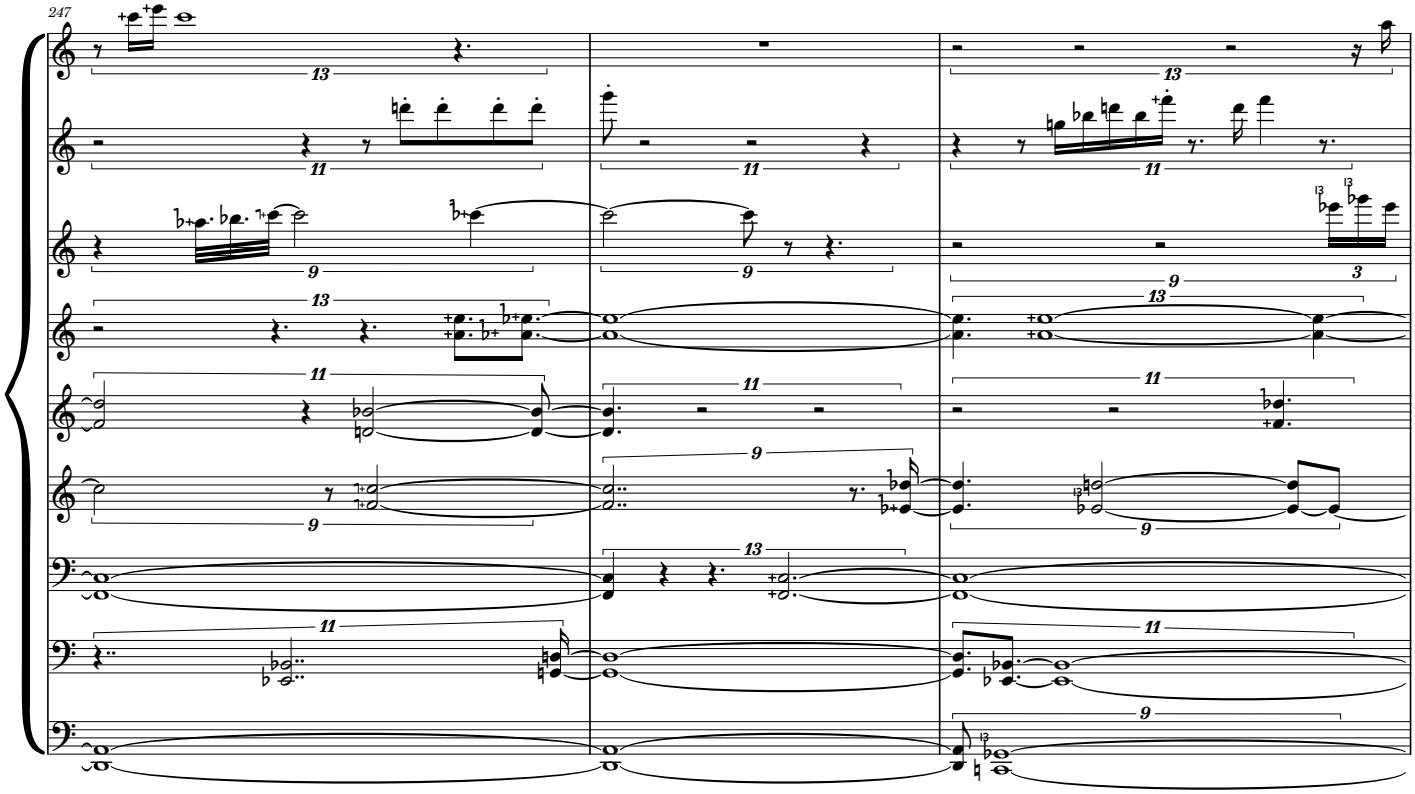

228
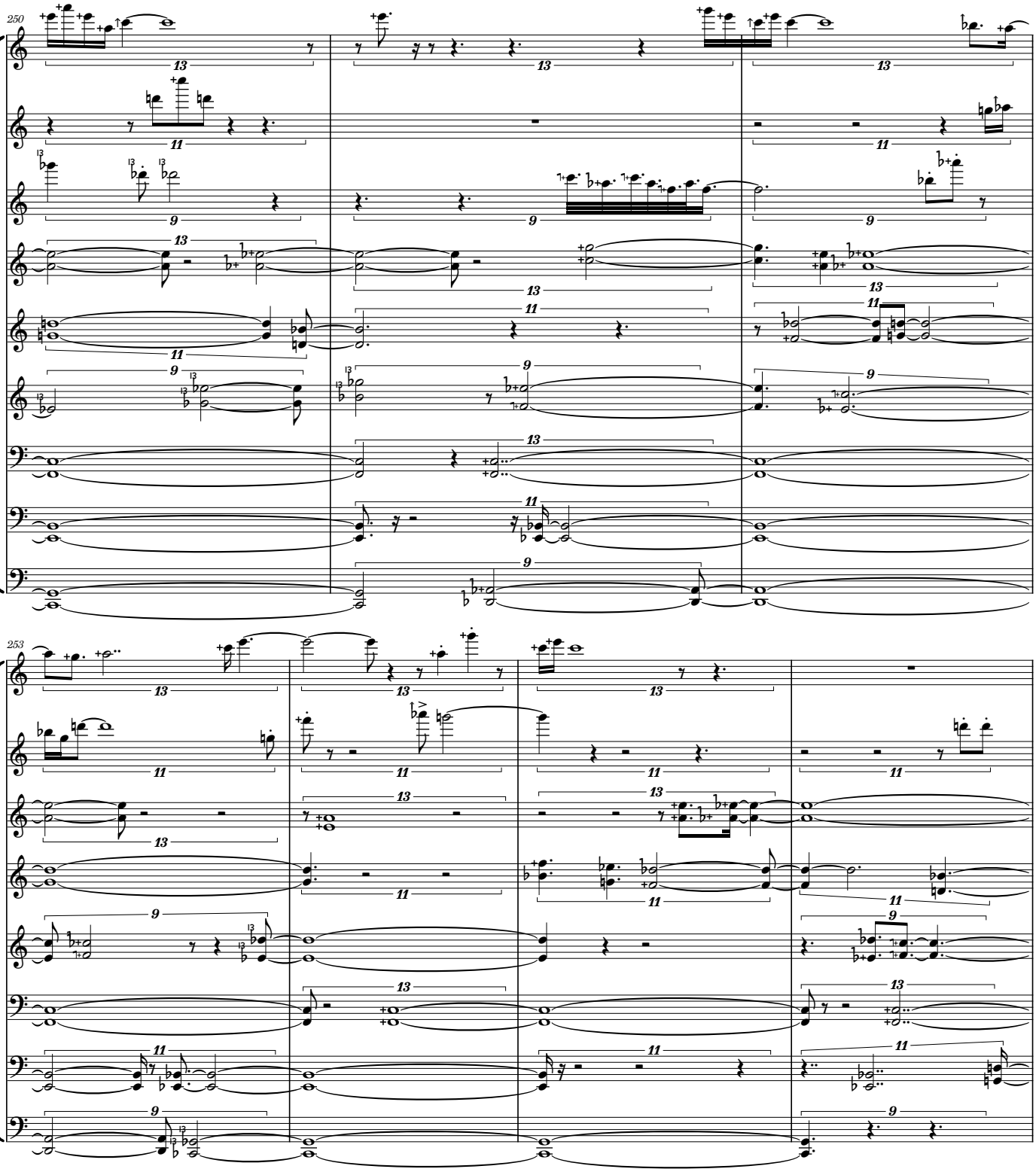

231
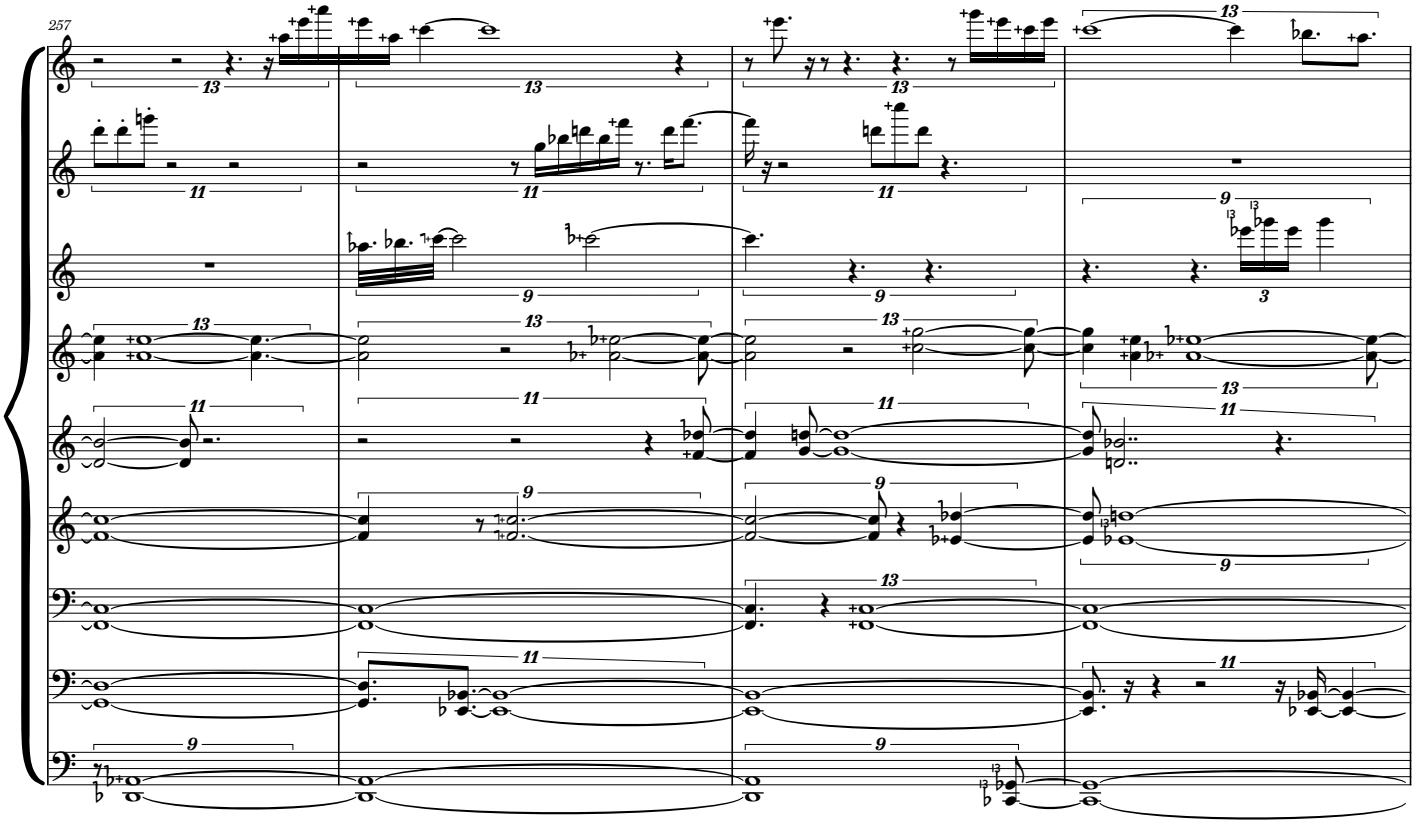

235
13
11
13
11
9
13
11
9
13
11
9
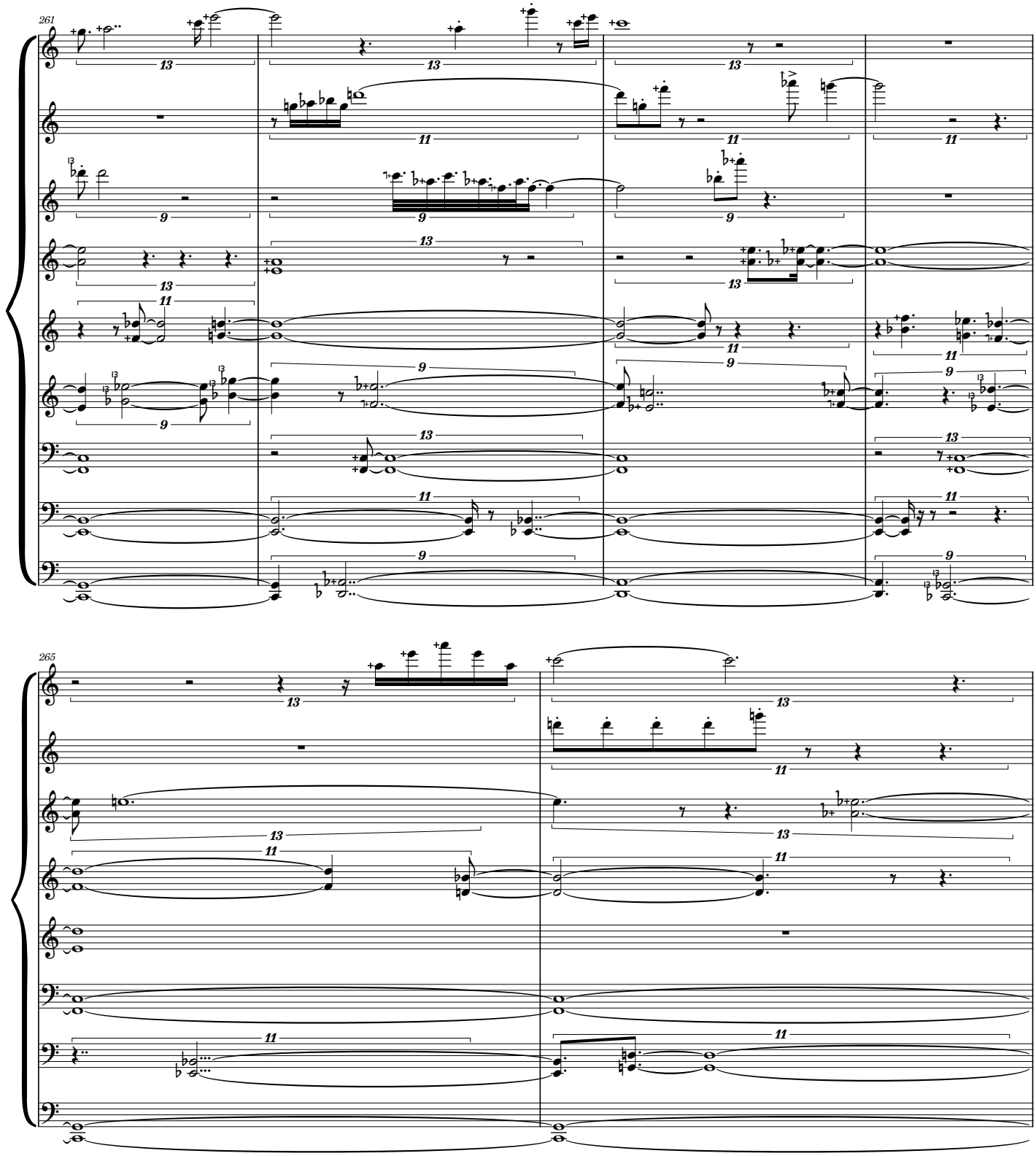

237
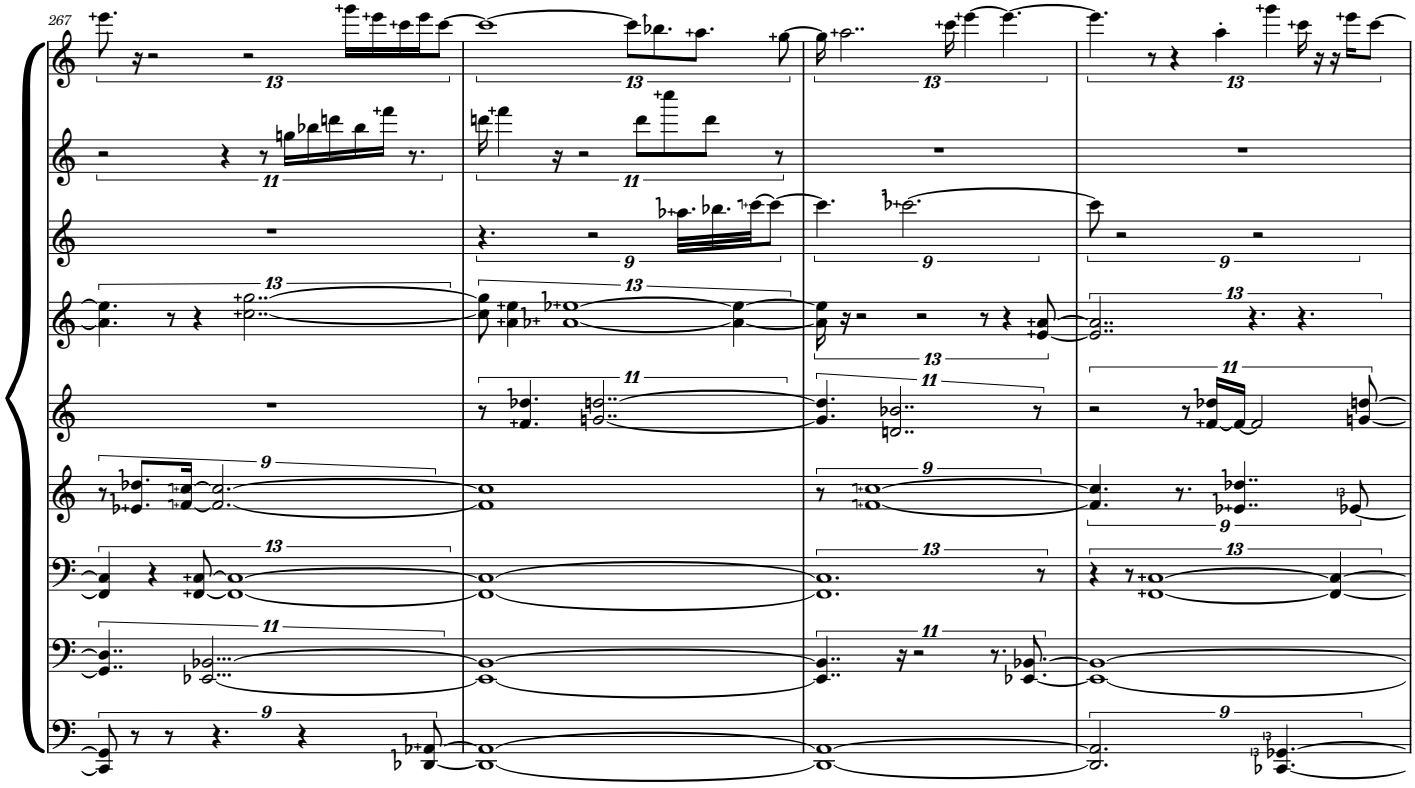

240
244

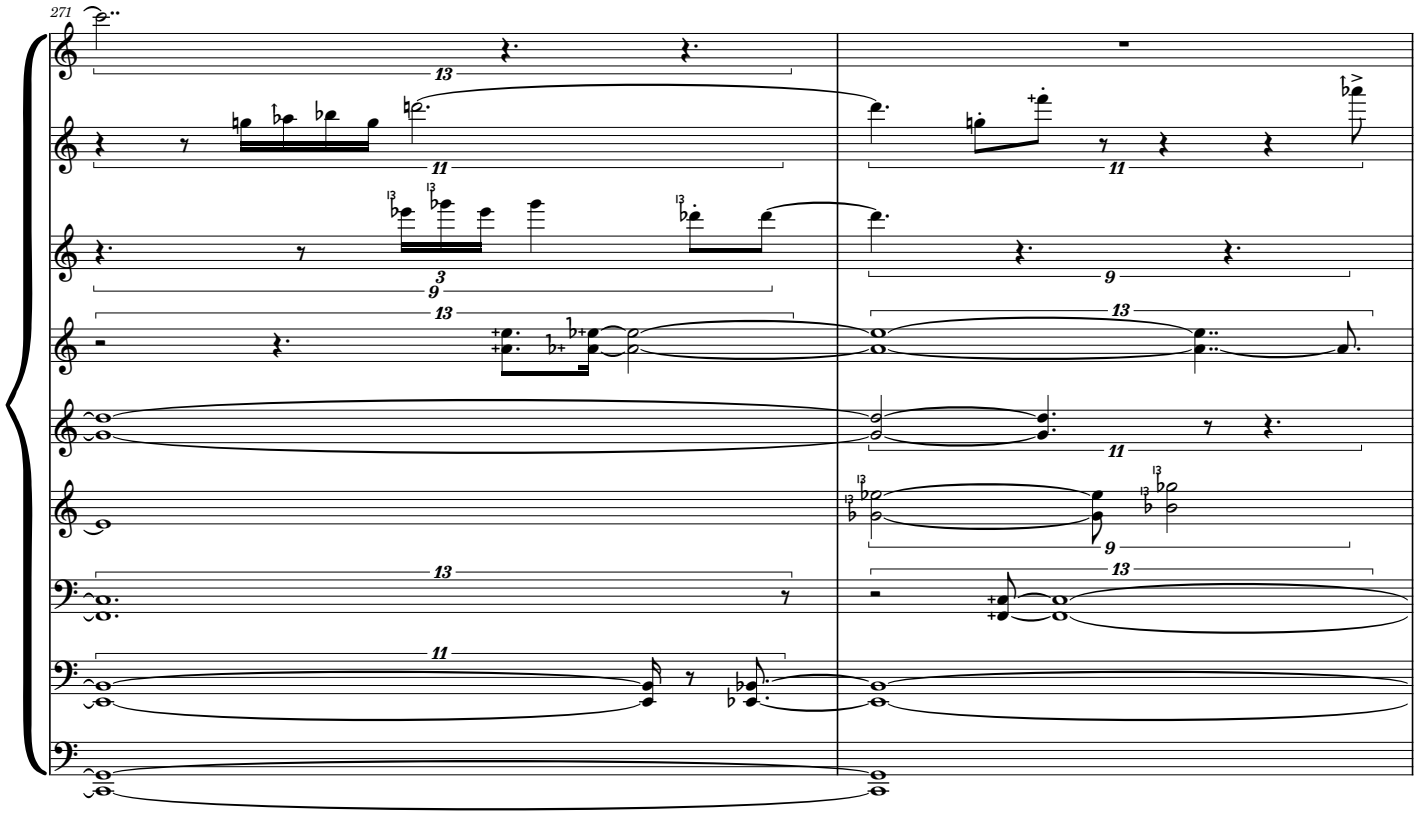

247
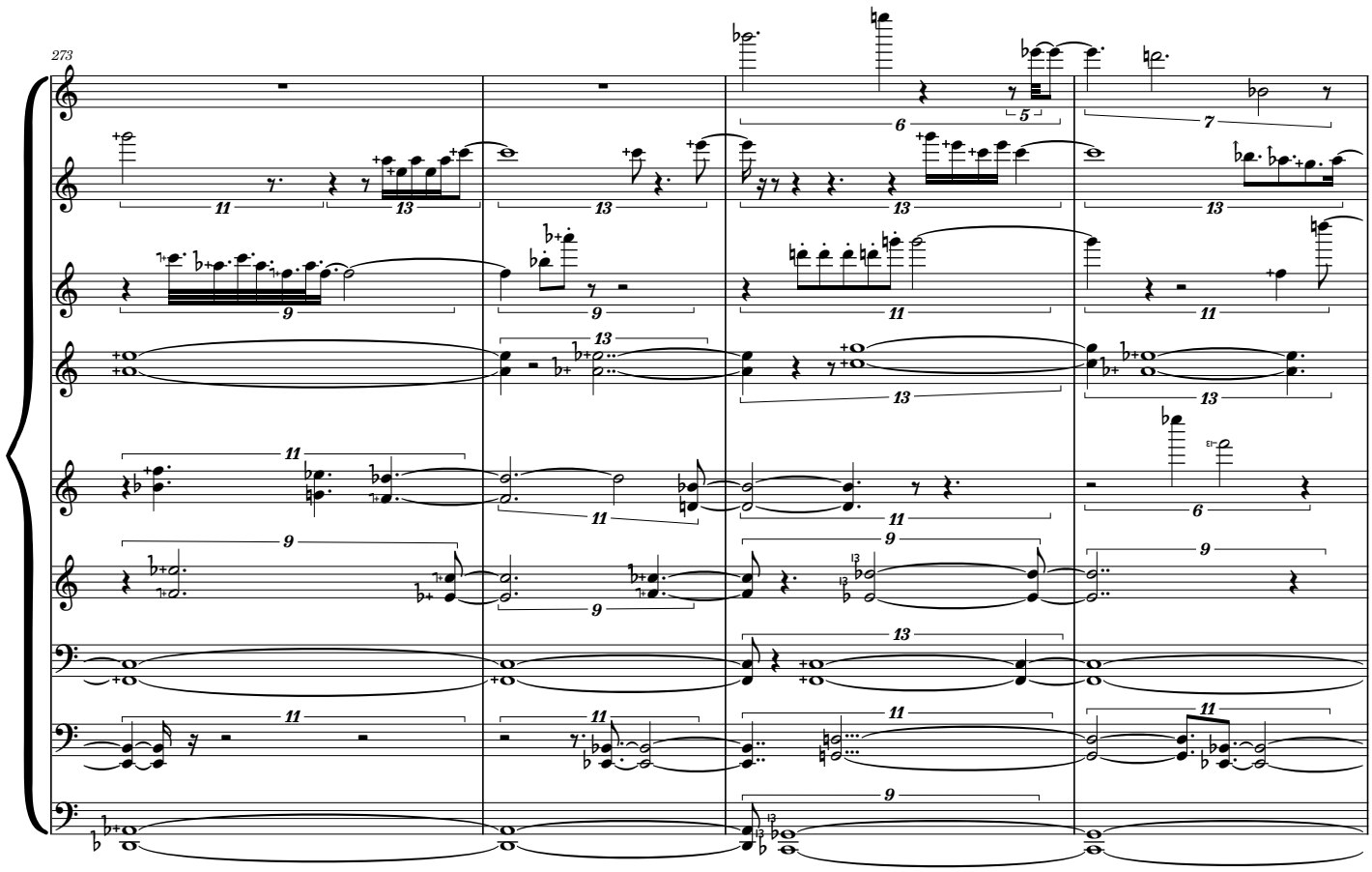

250
253

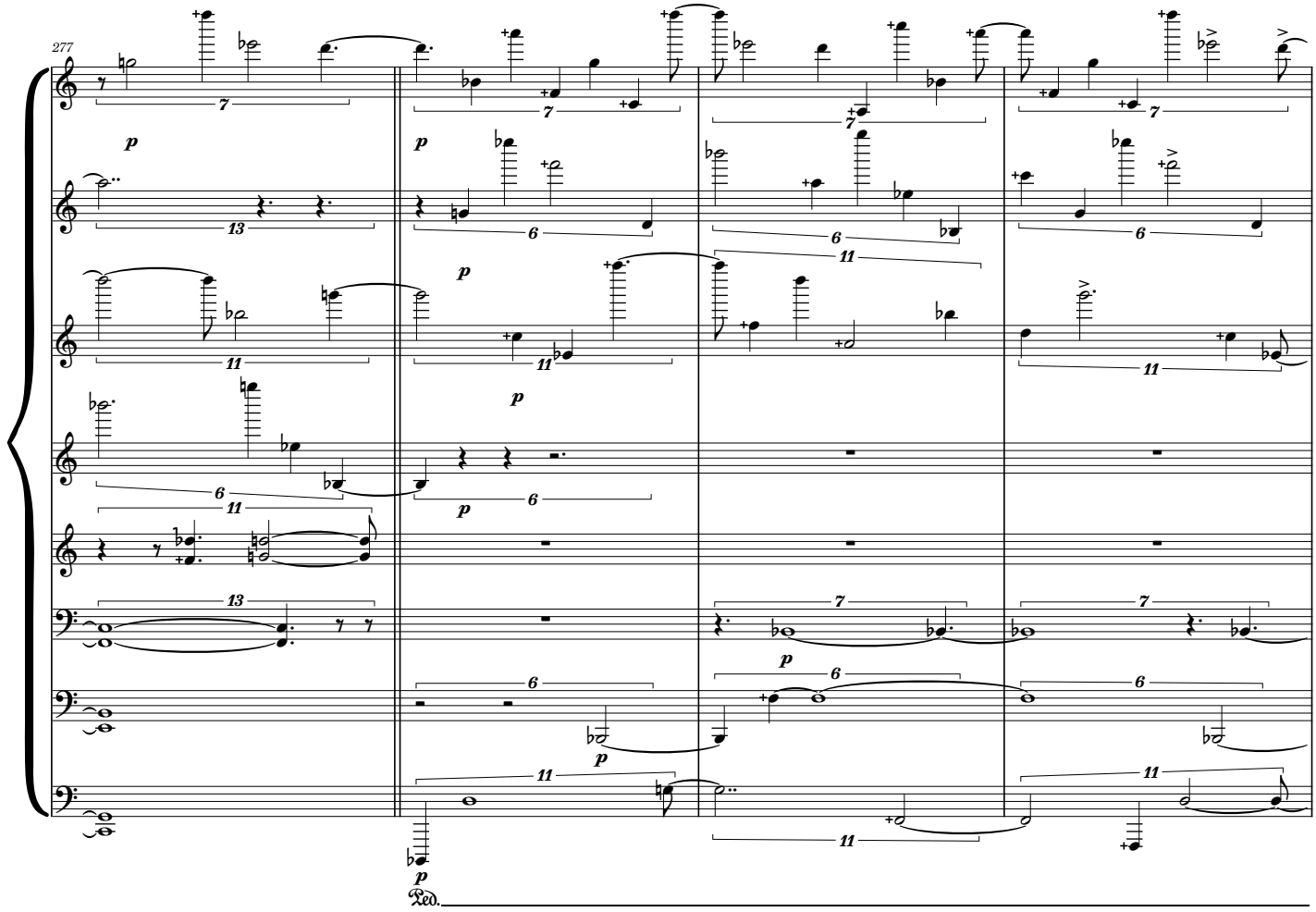

257

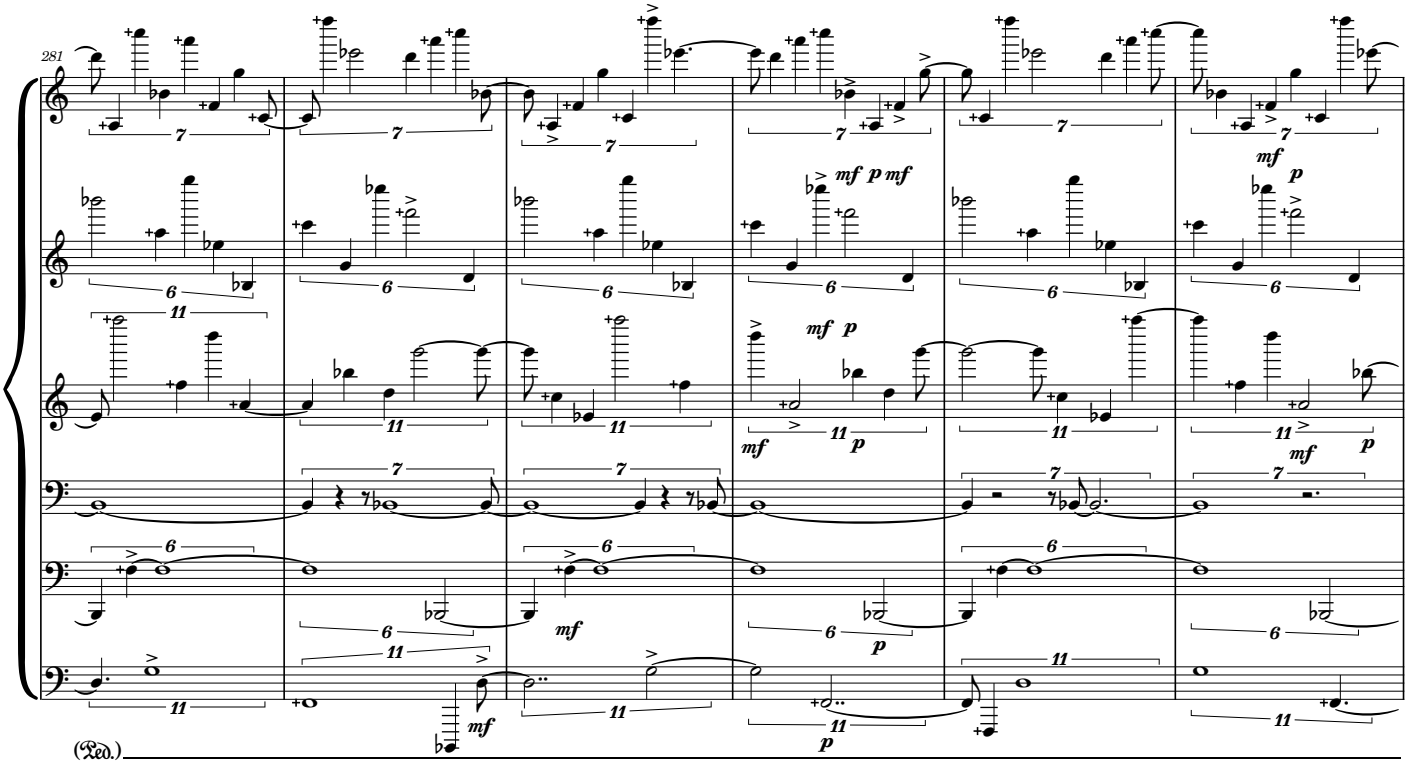

261
265

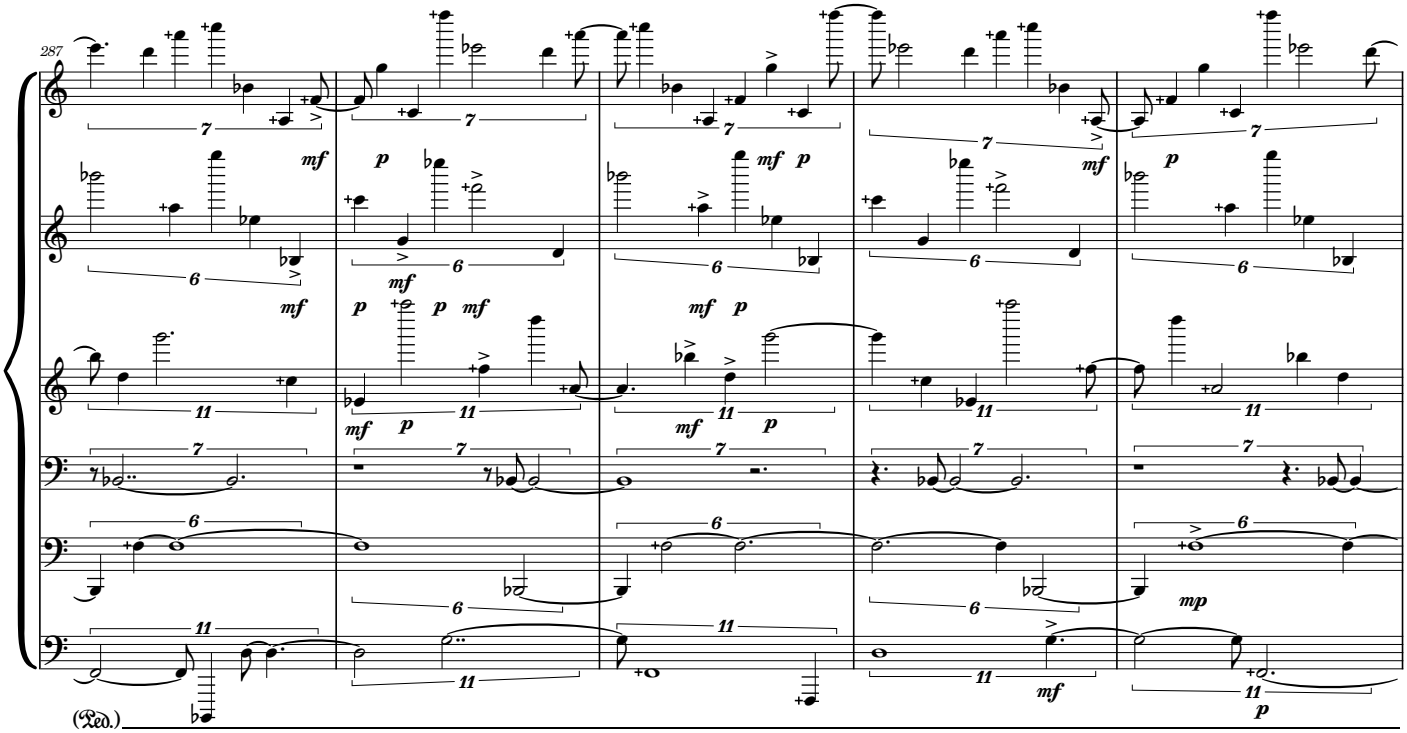

267
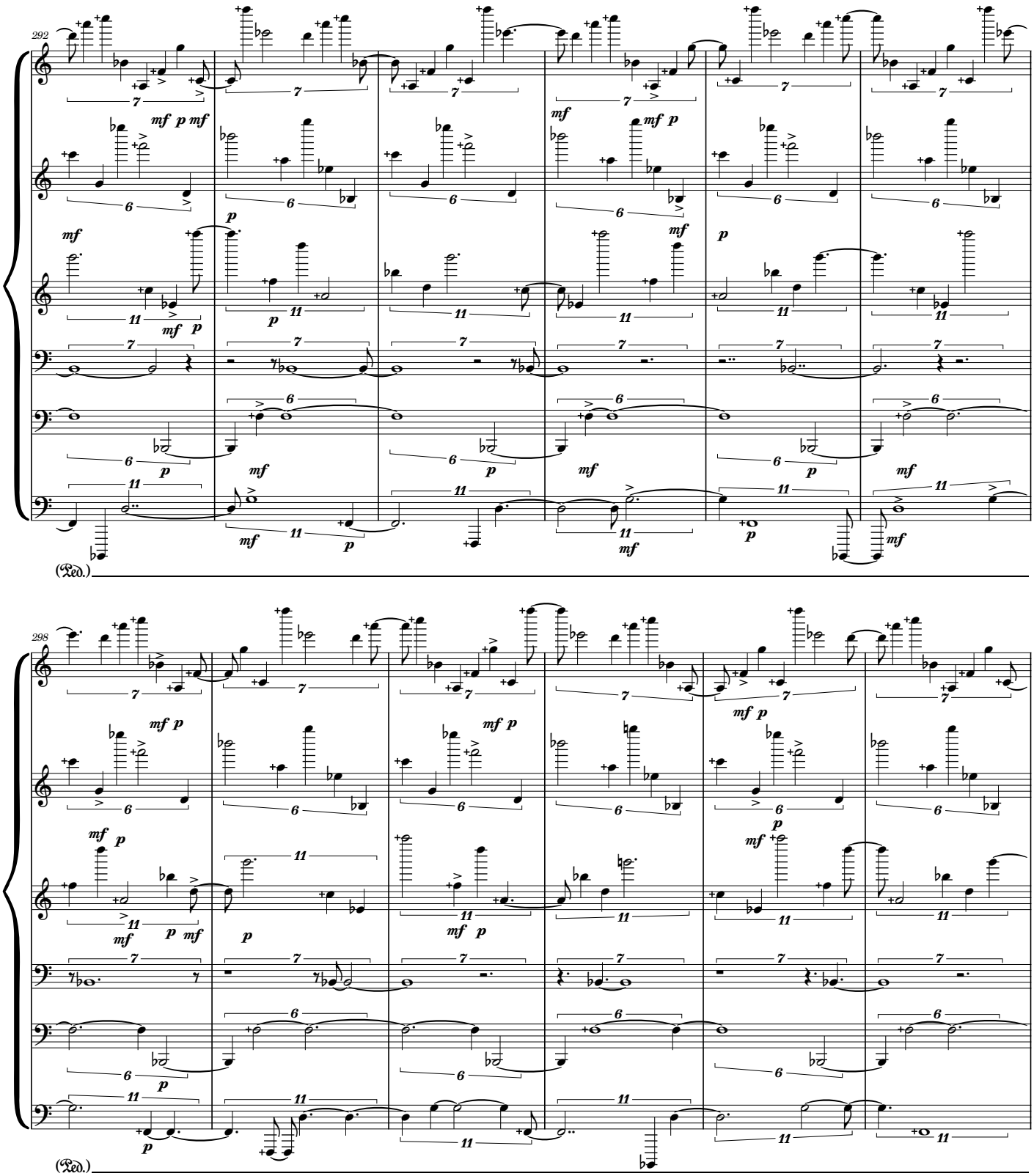

271
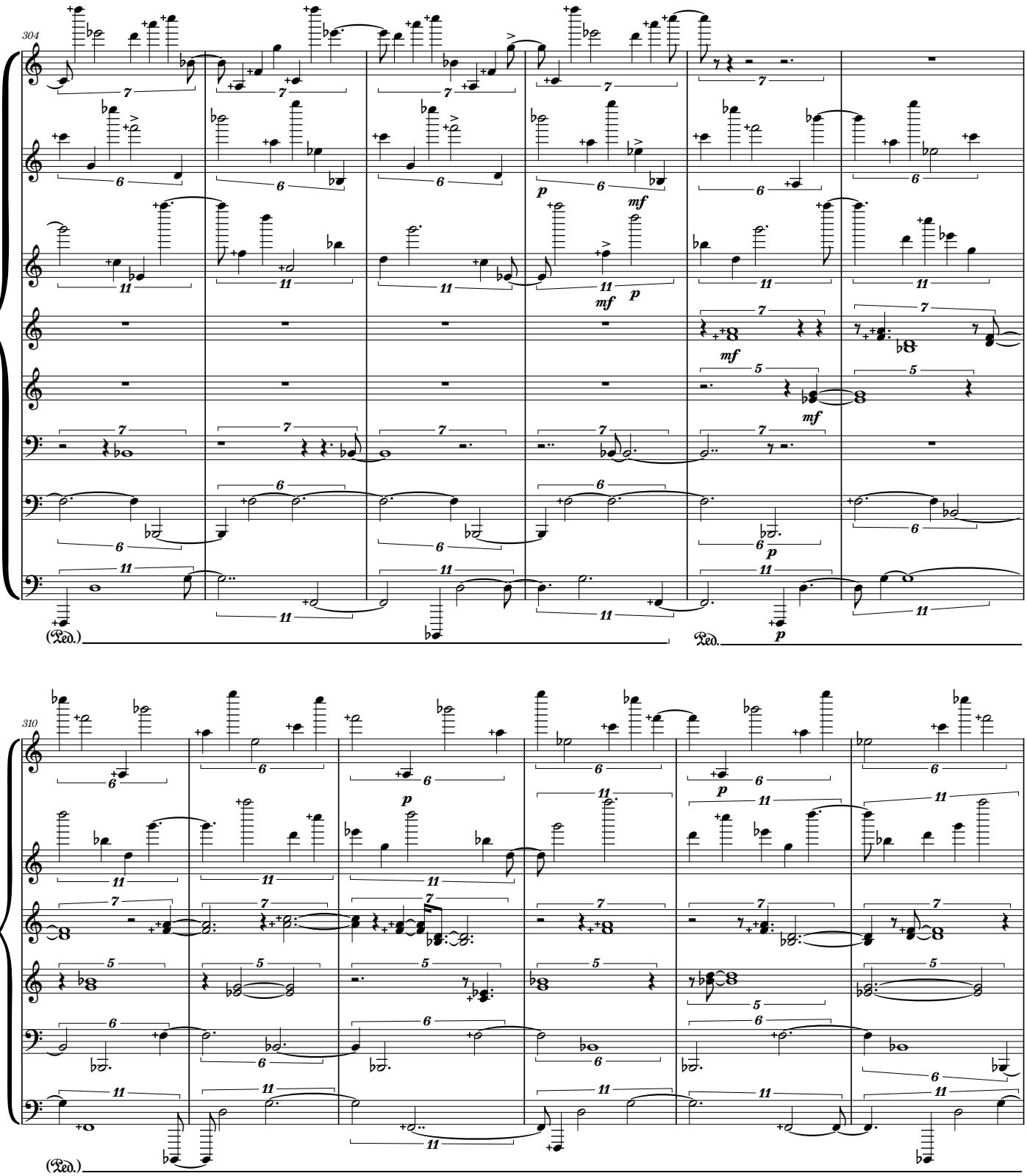

273
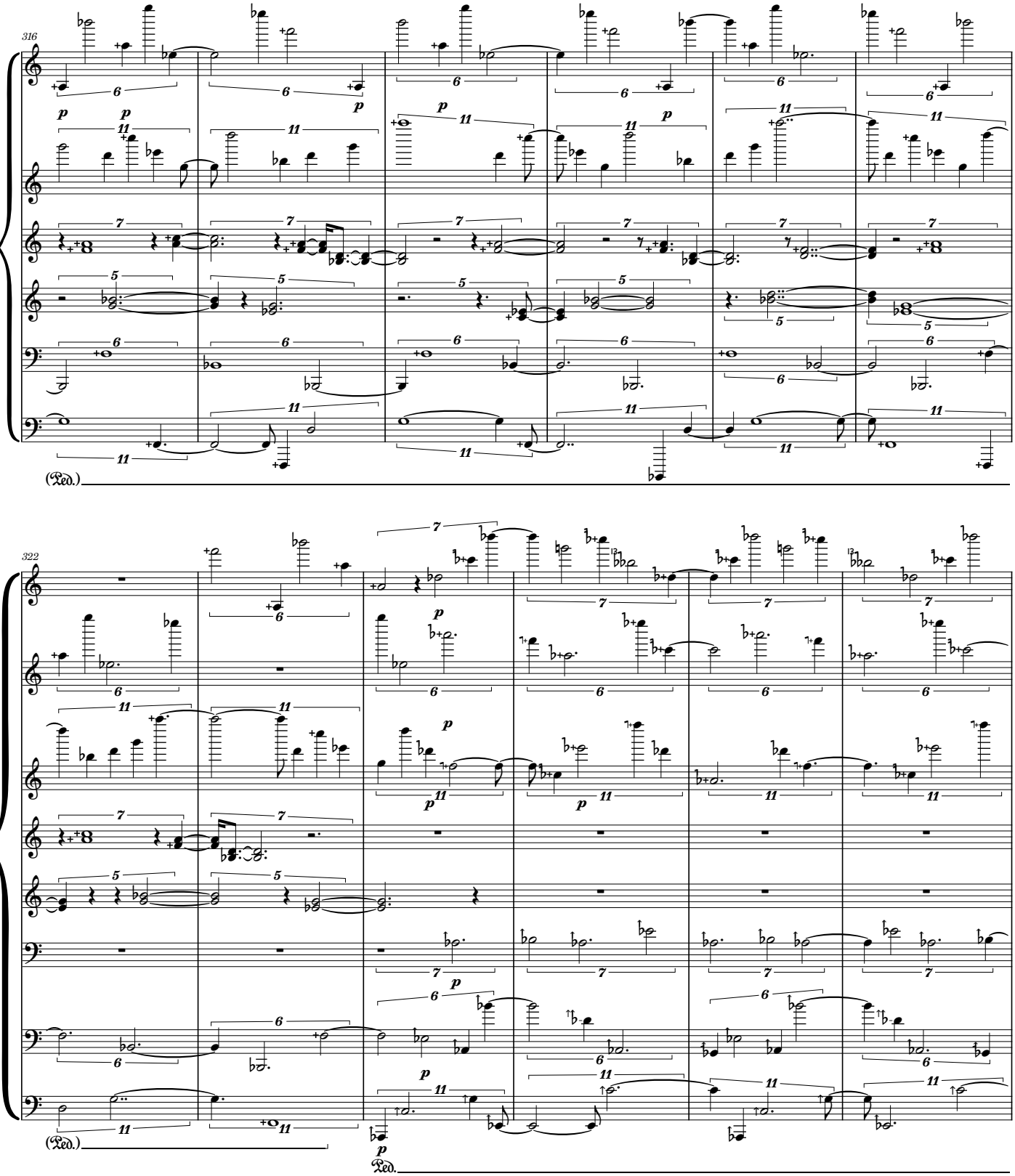

277
p
Ped.

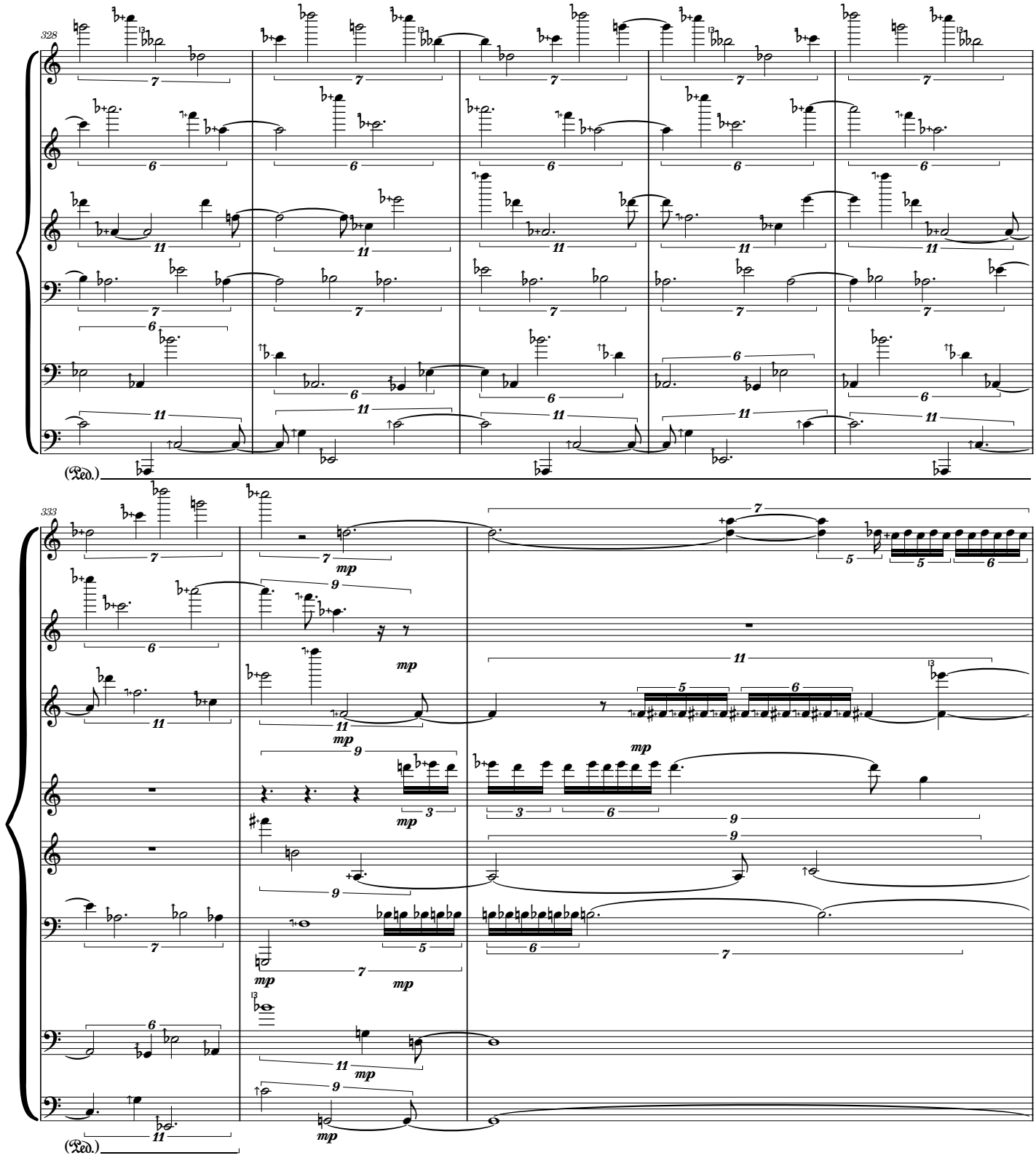

281
(Ped.)
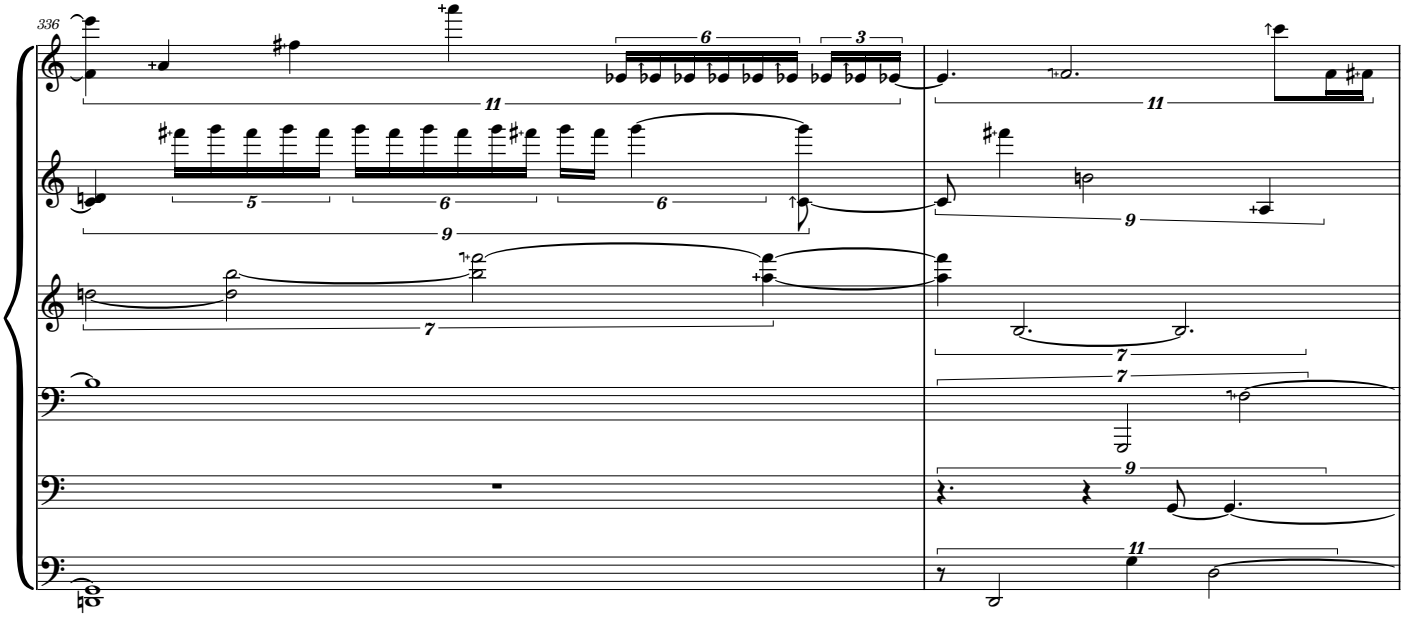

287
(Ped.)
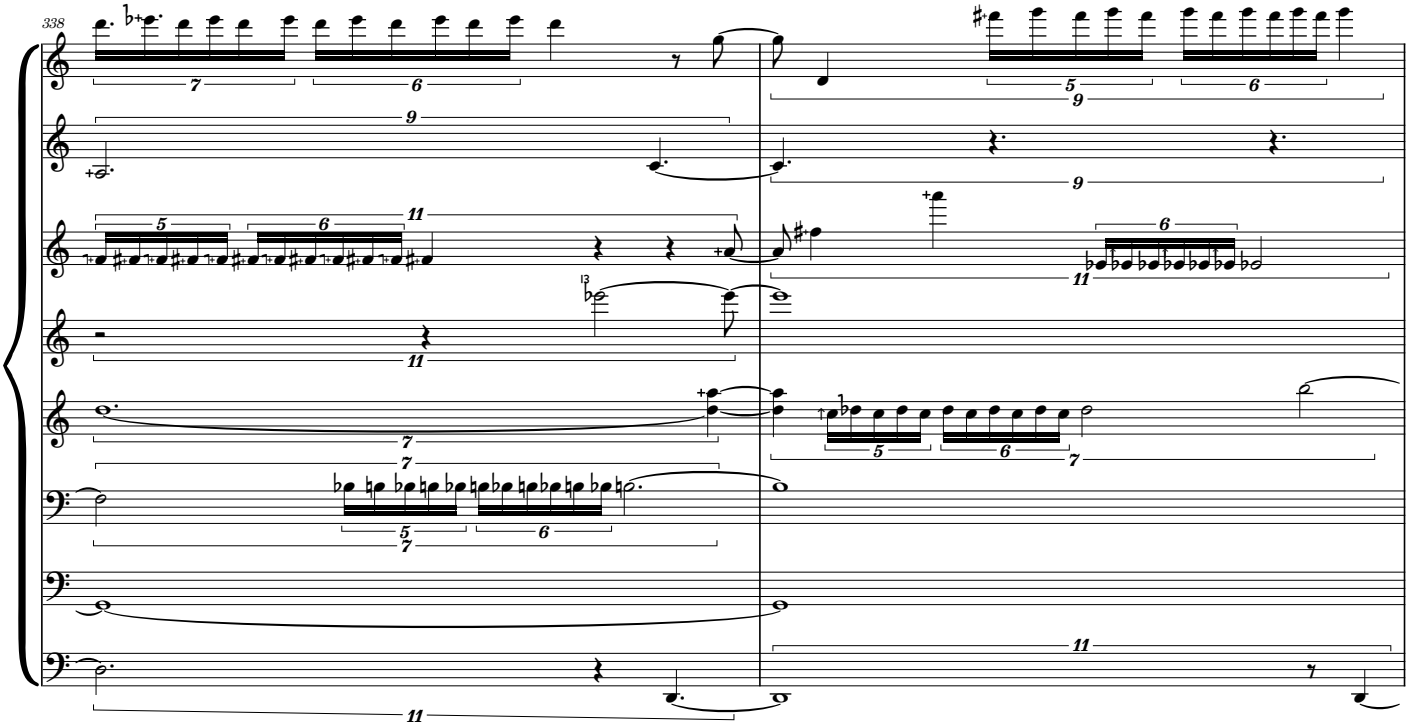

292
(Ped.)
298
(Ped.)

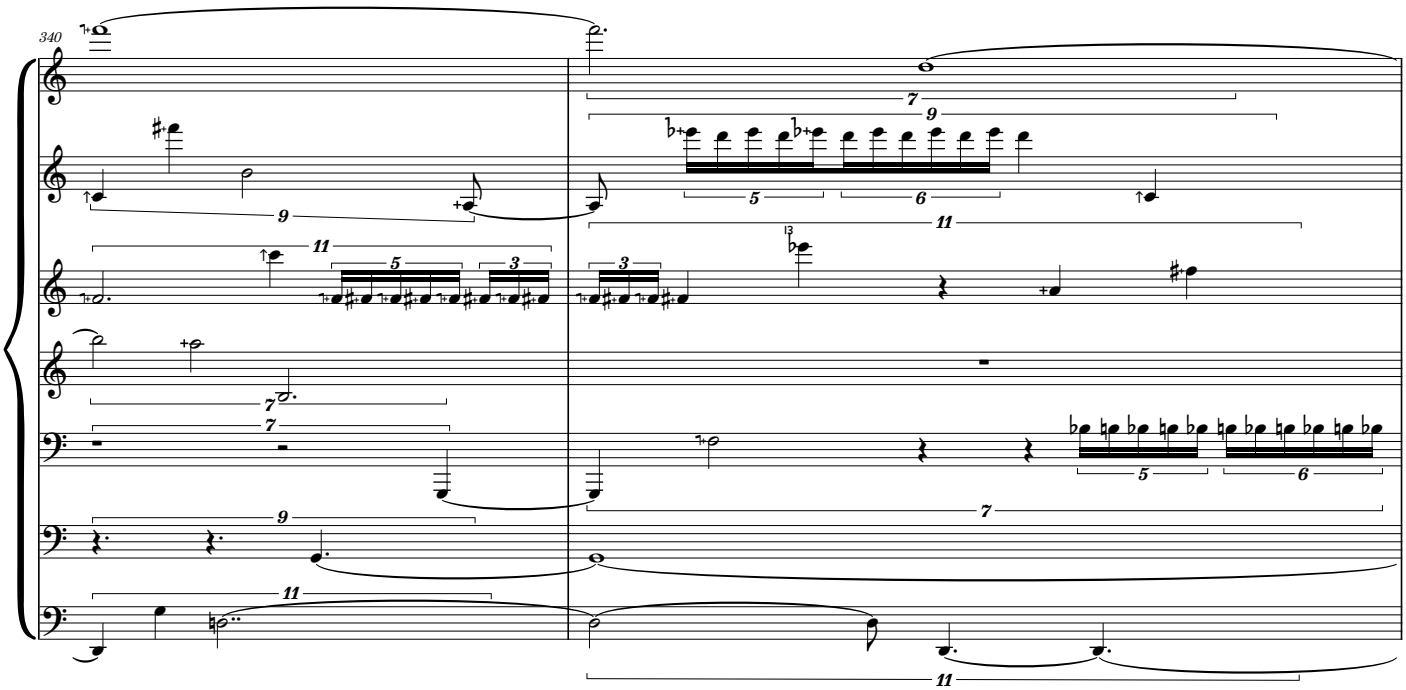

304
(Ped.)
Ped.
310
(Ped.)
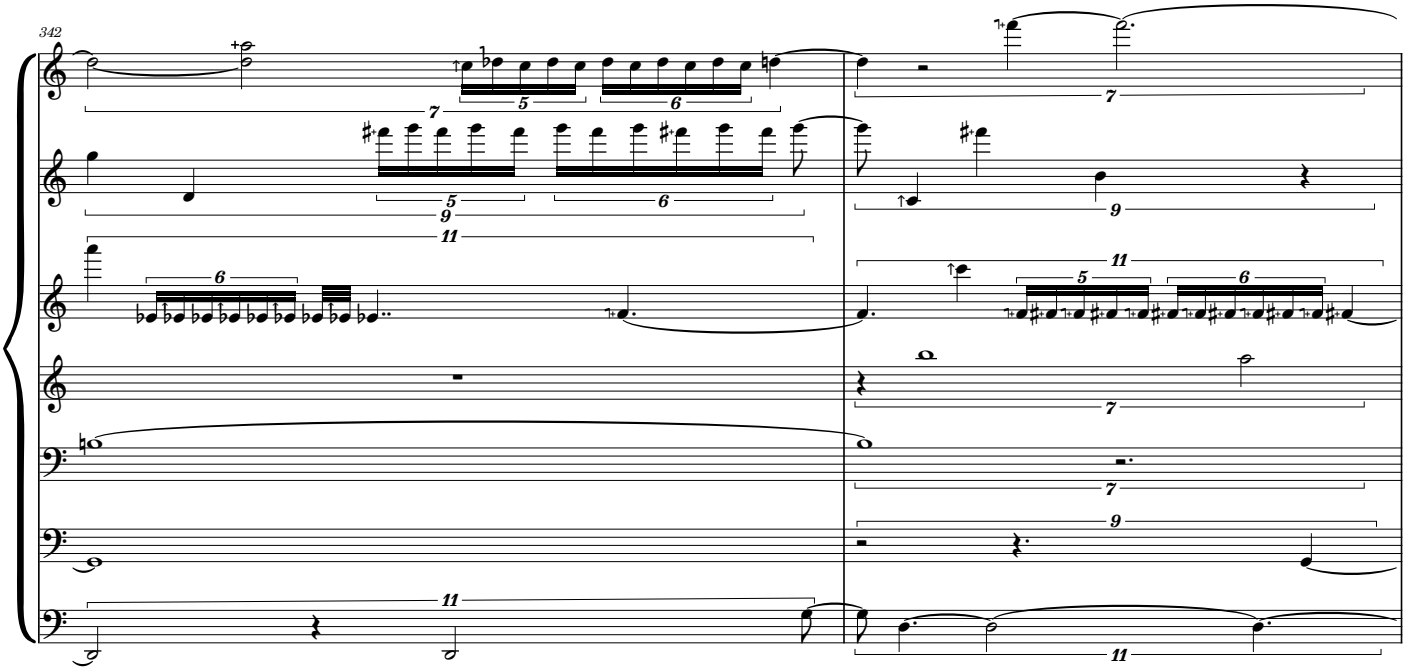

316
(Ped.)
322
(Ped.)
Ped.
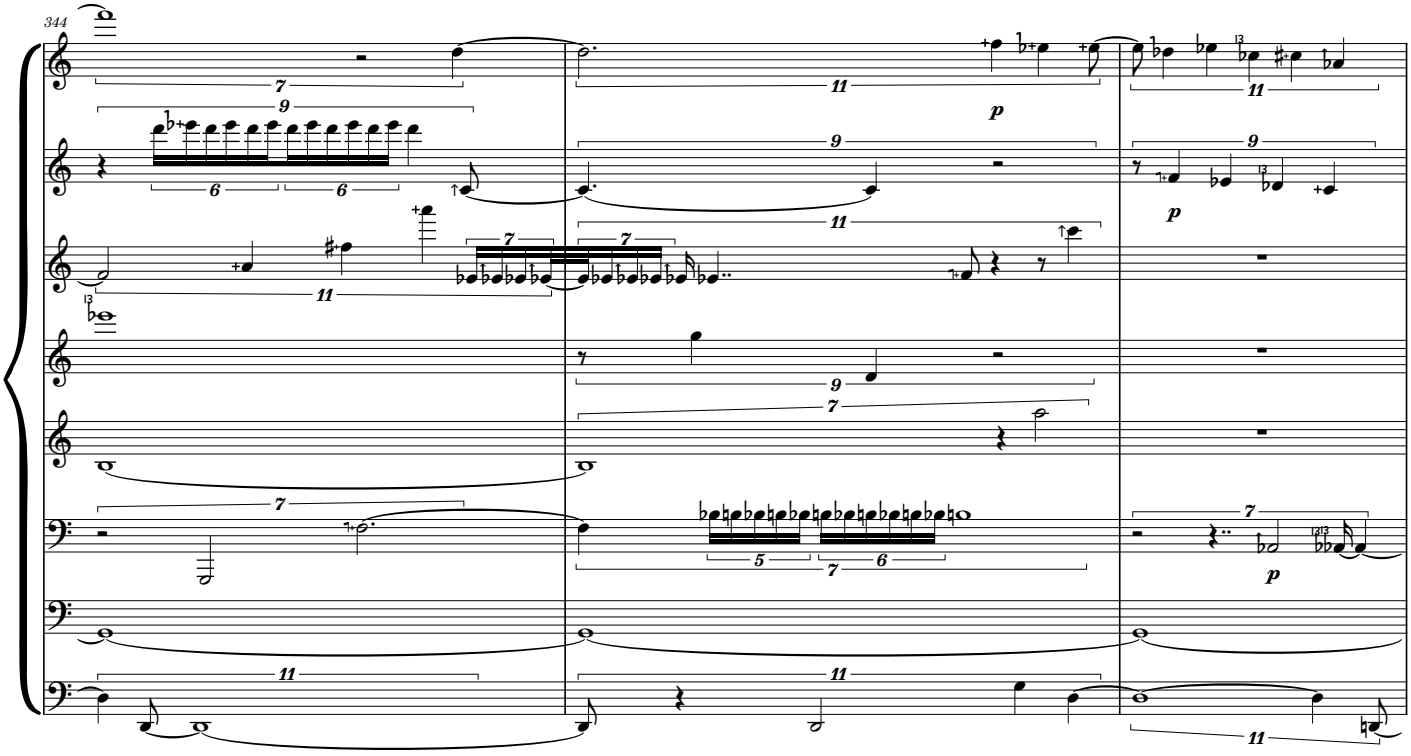

328
333
mp
(Ped.)
(Ped.)
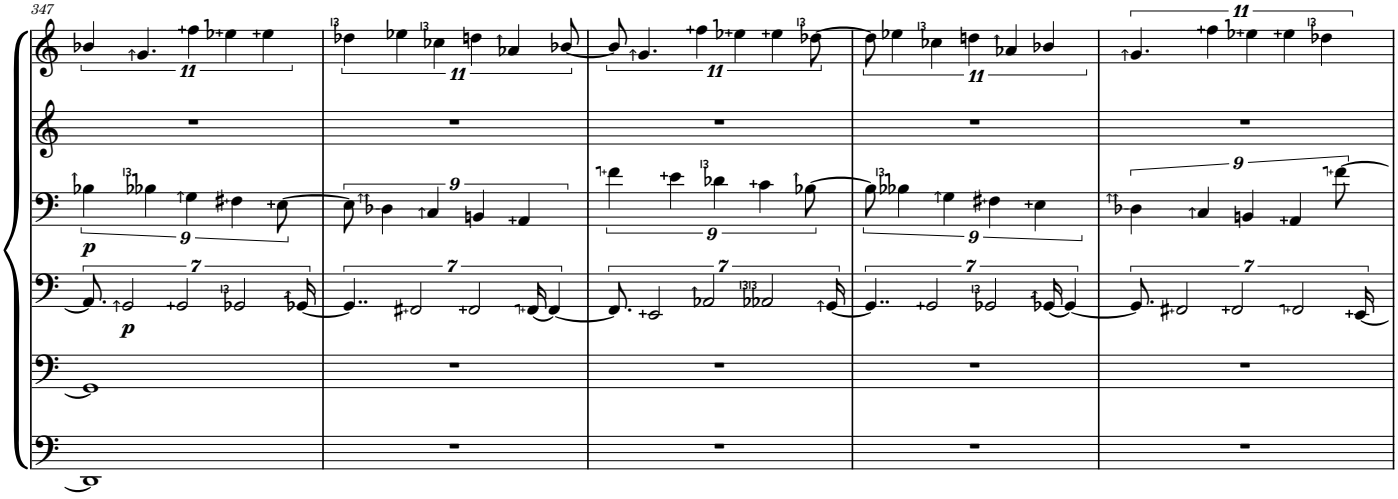

336
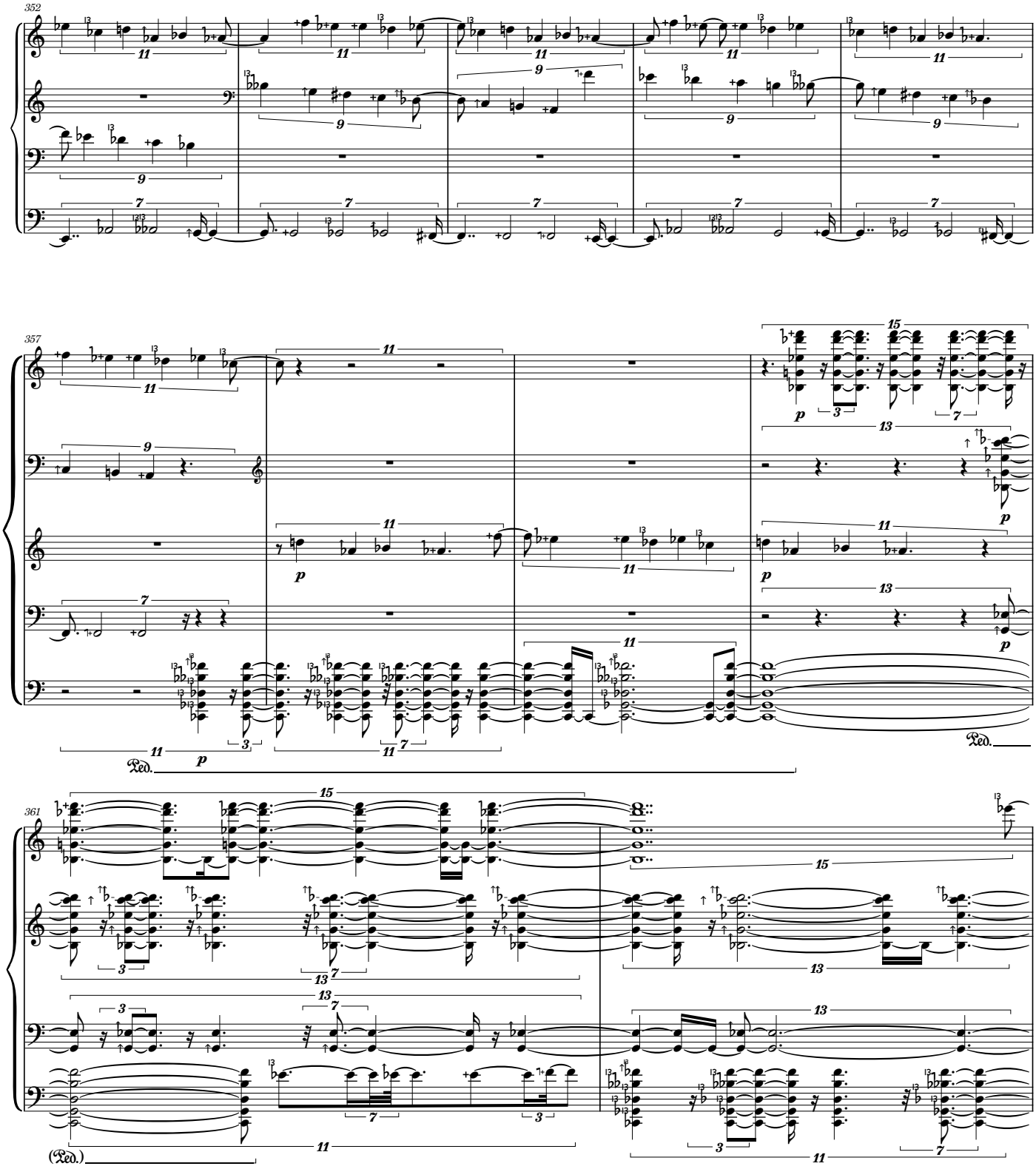

338
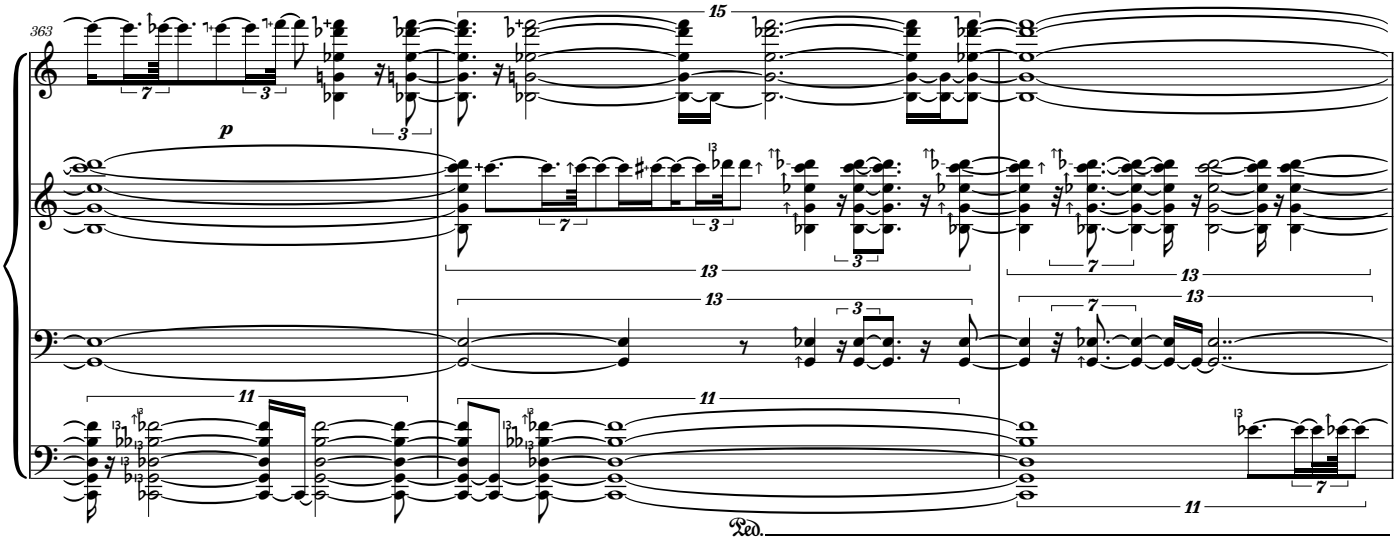

340

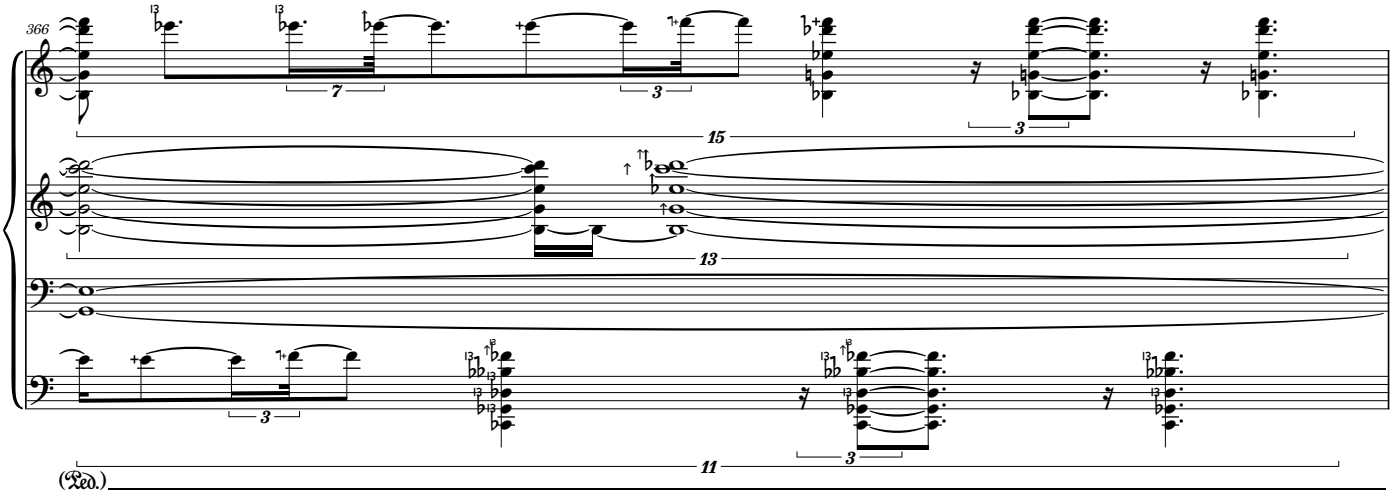

342
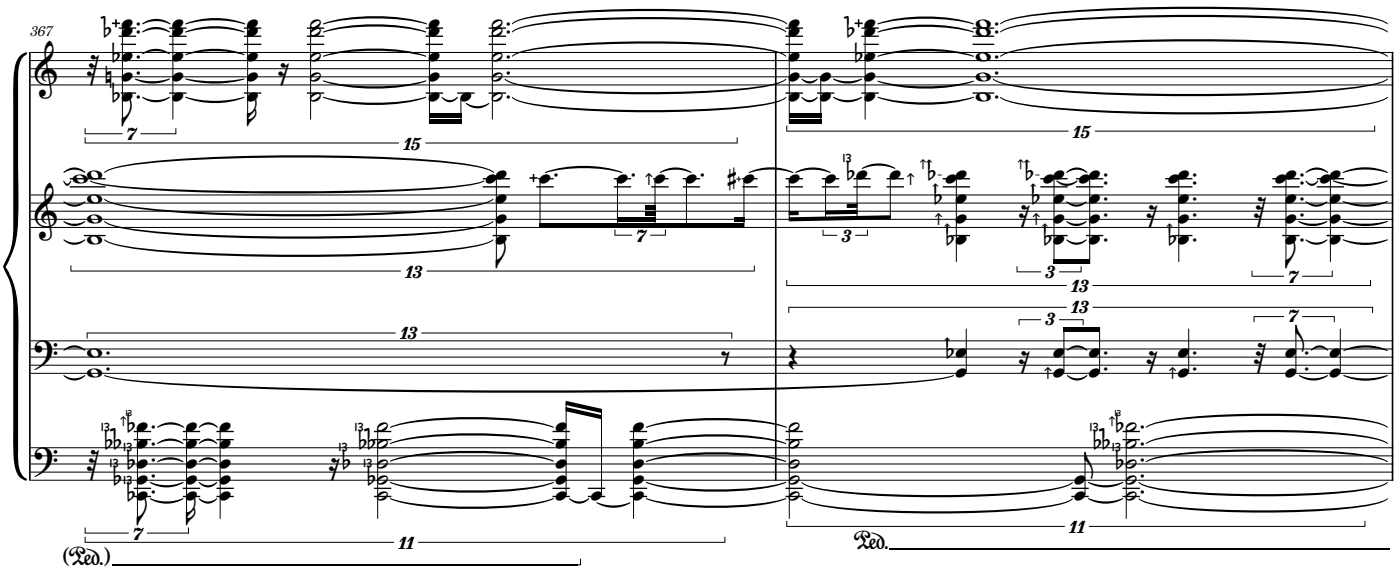

344
p
p
p

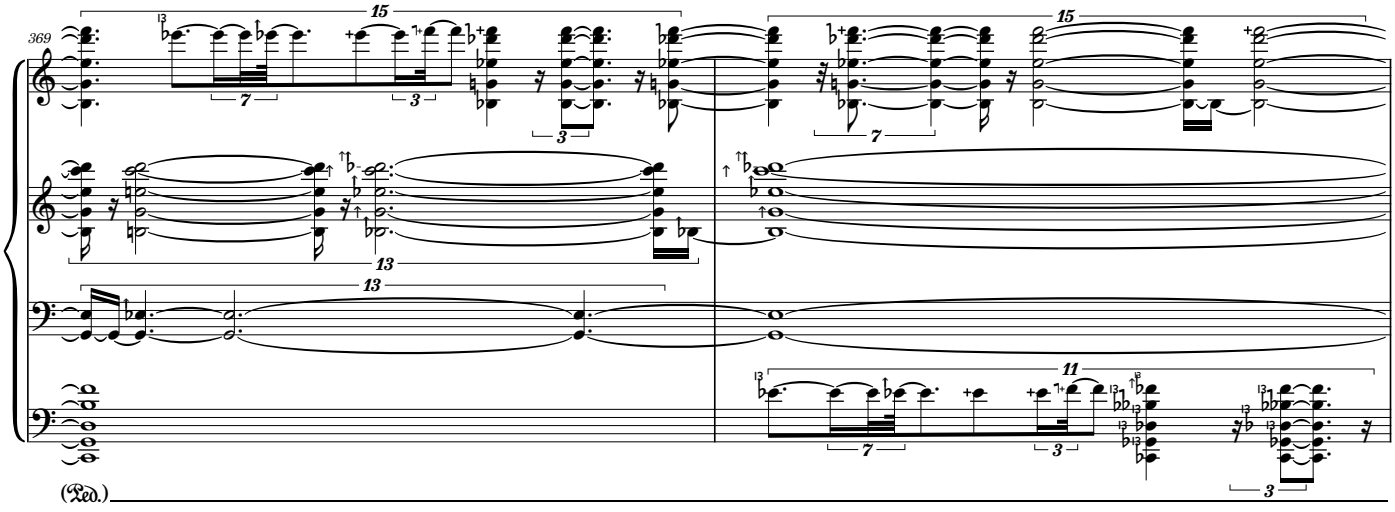

347
p
p

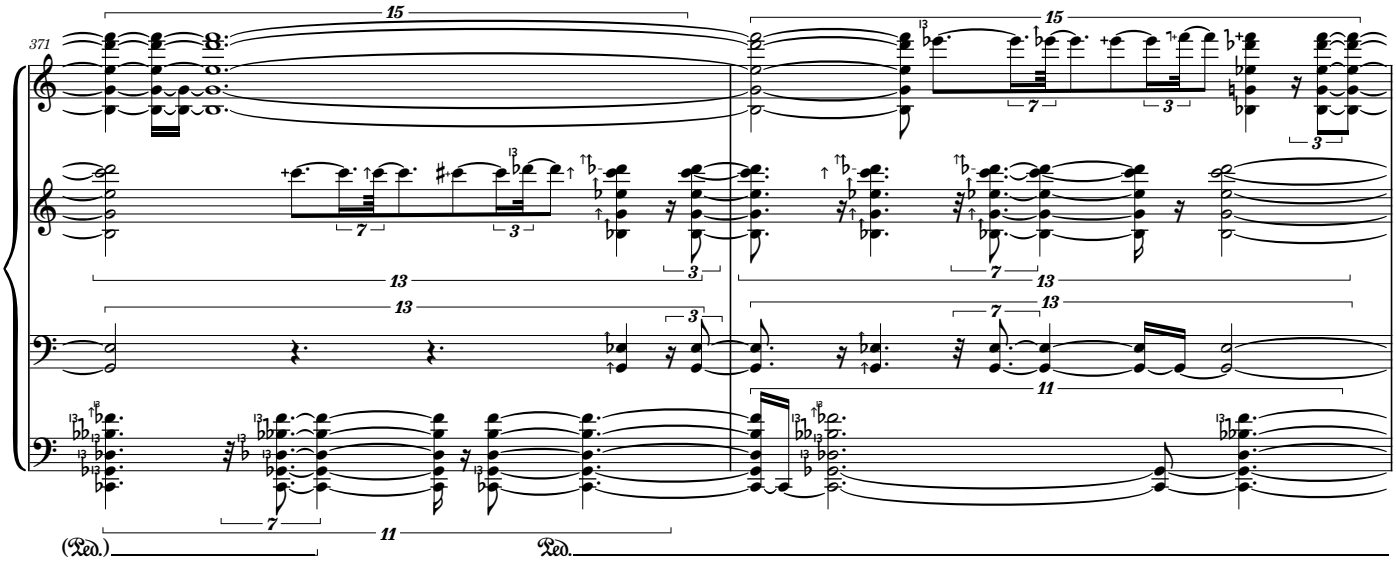

352
357
361
Ped.
(Ped.)

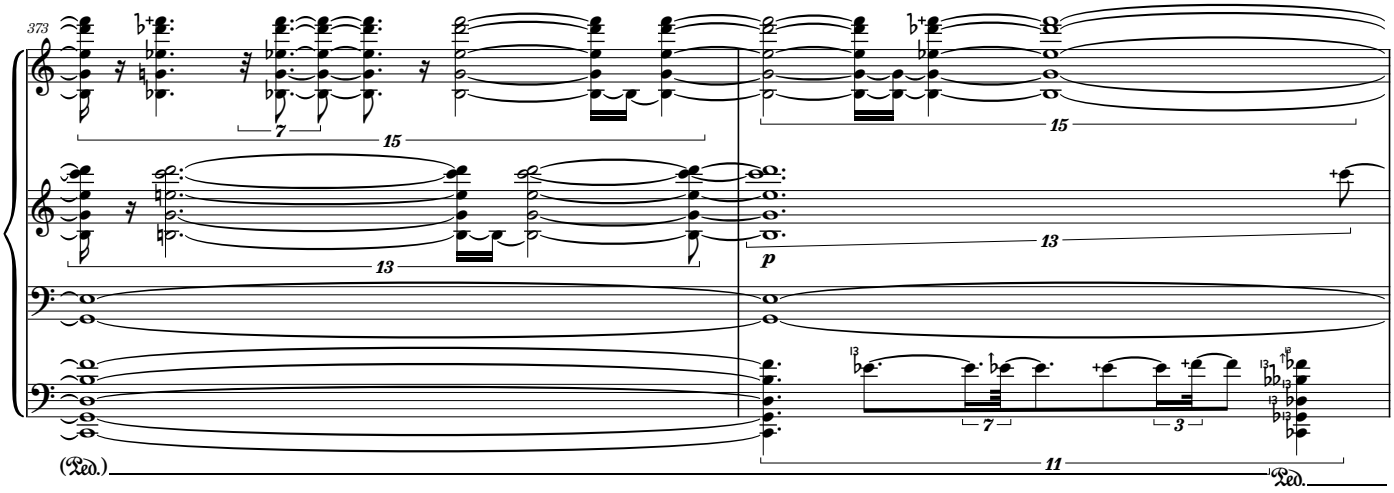

363
p
Ped.

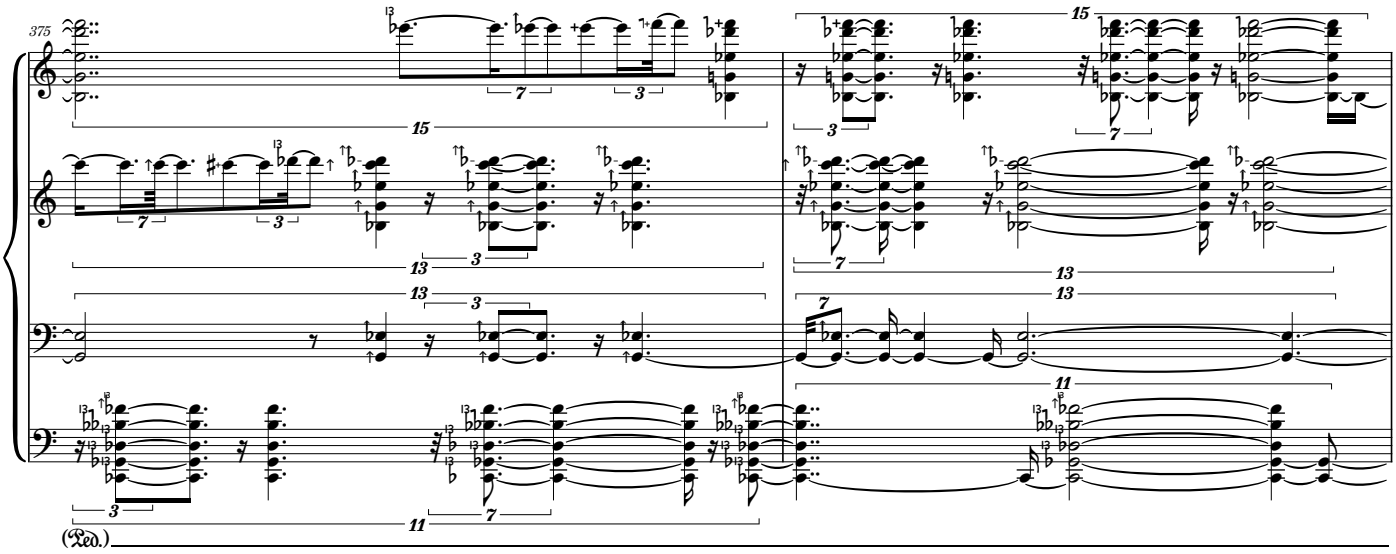

366
(Ped.)

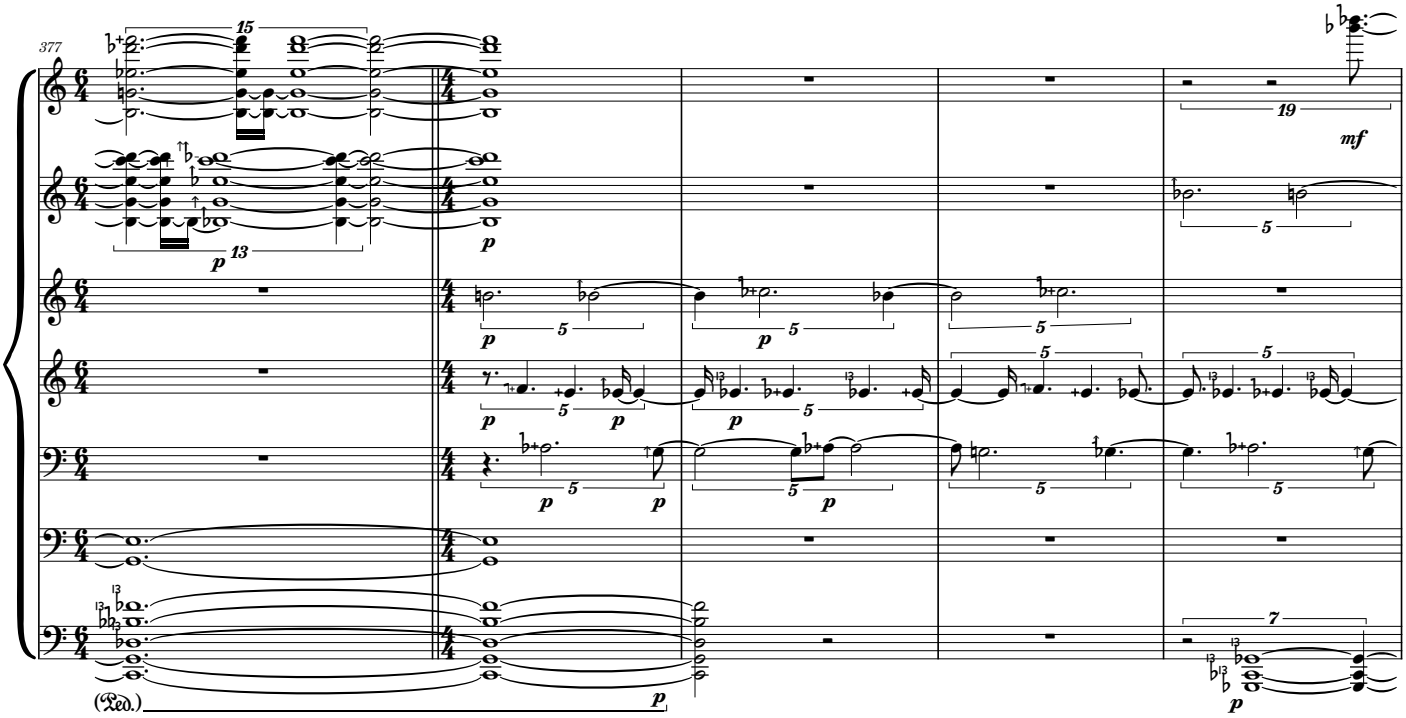

367
(Ped.)
Ped.

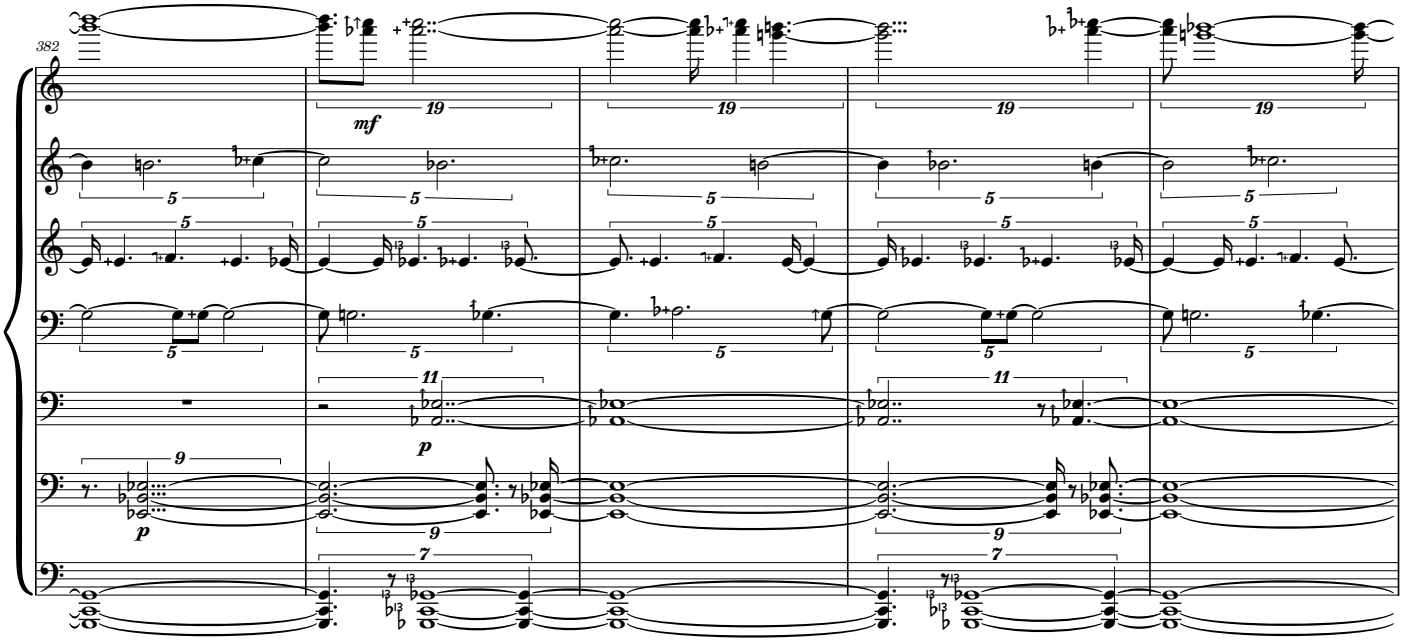

369
(Ped.)
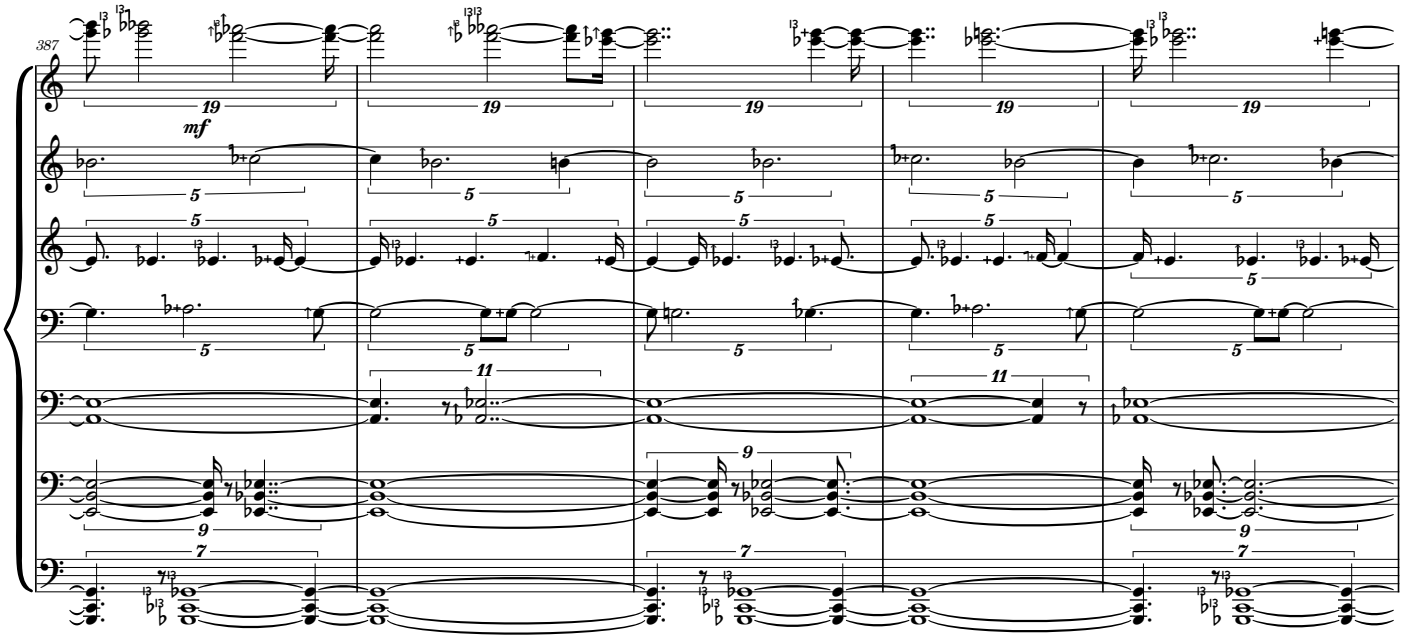

371
(Ped.)
Ped.

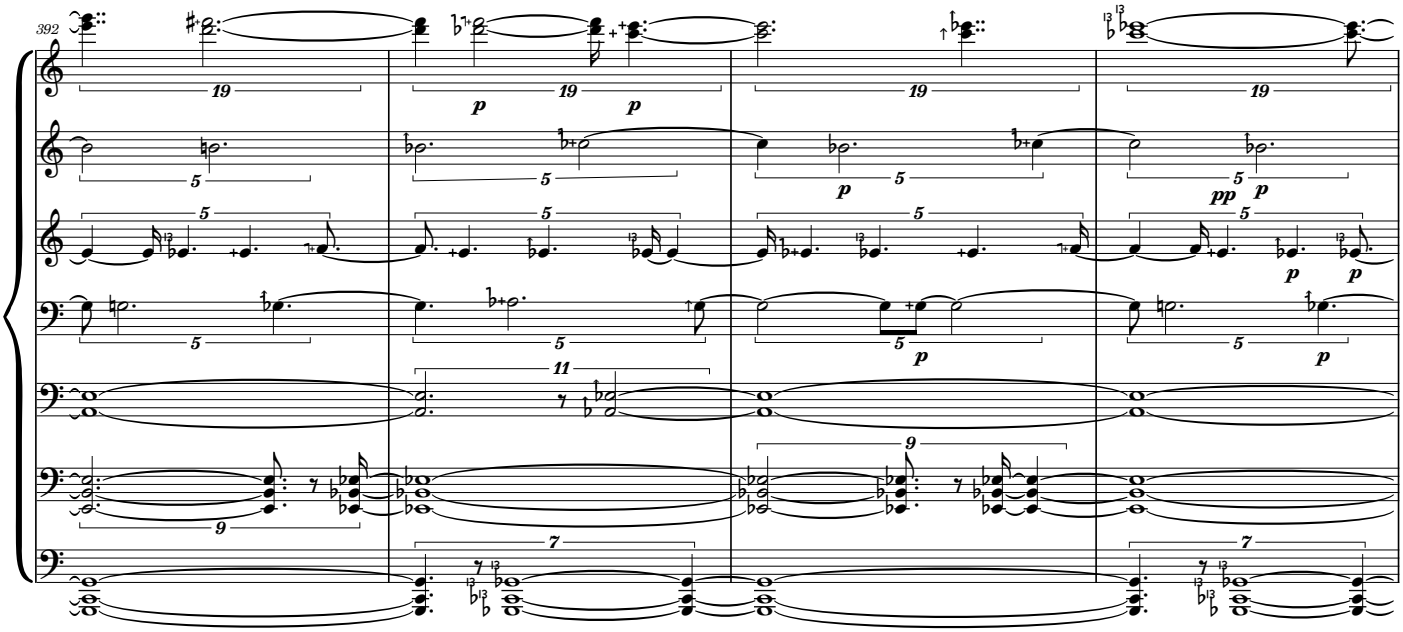

373
p
(Ped.)
Ped.

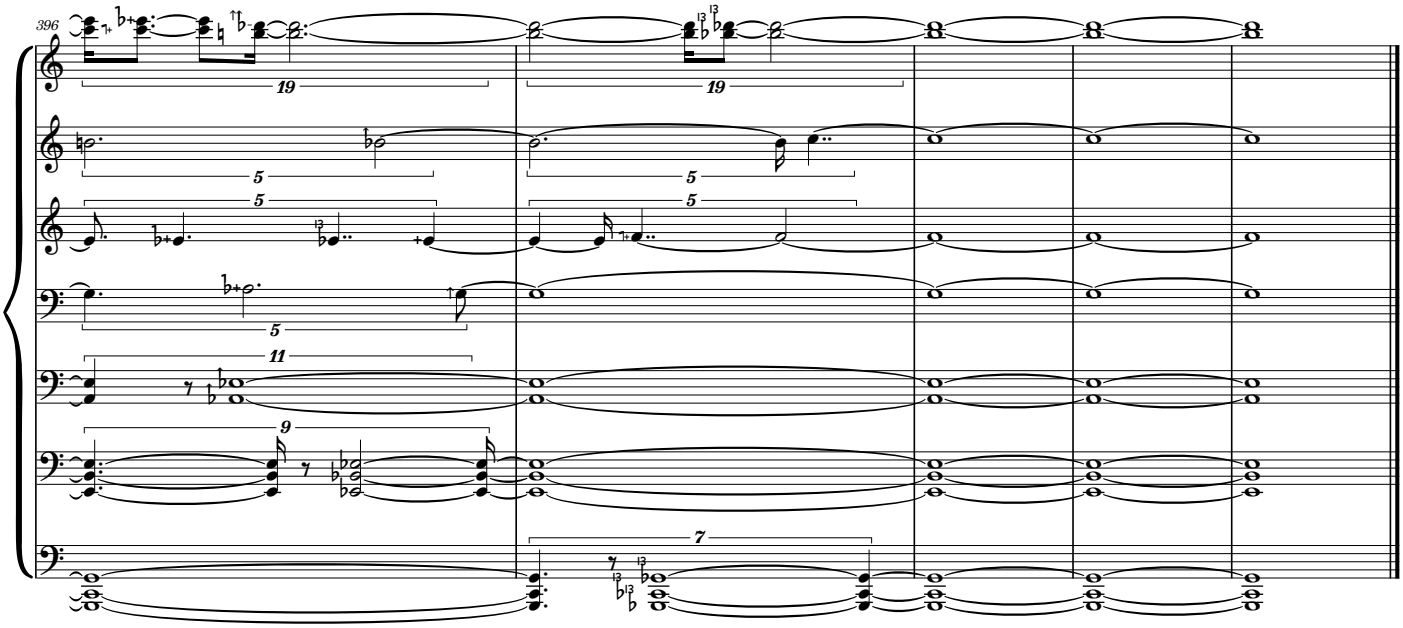

375
(Ped.)


377
mf
(Ped.)


382
mf
p
p


387
mf

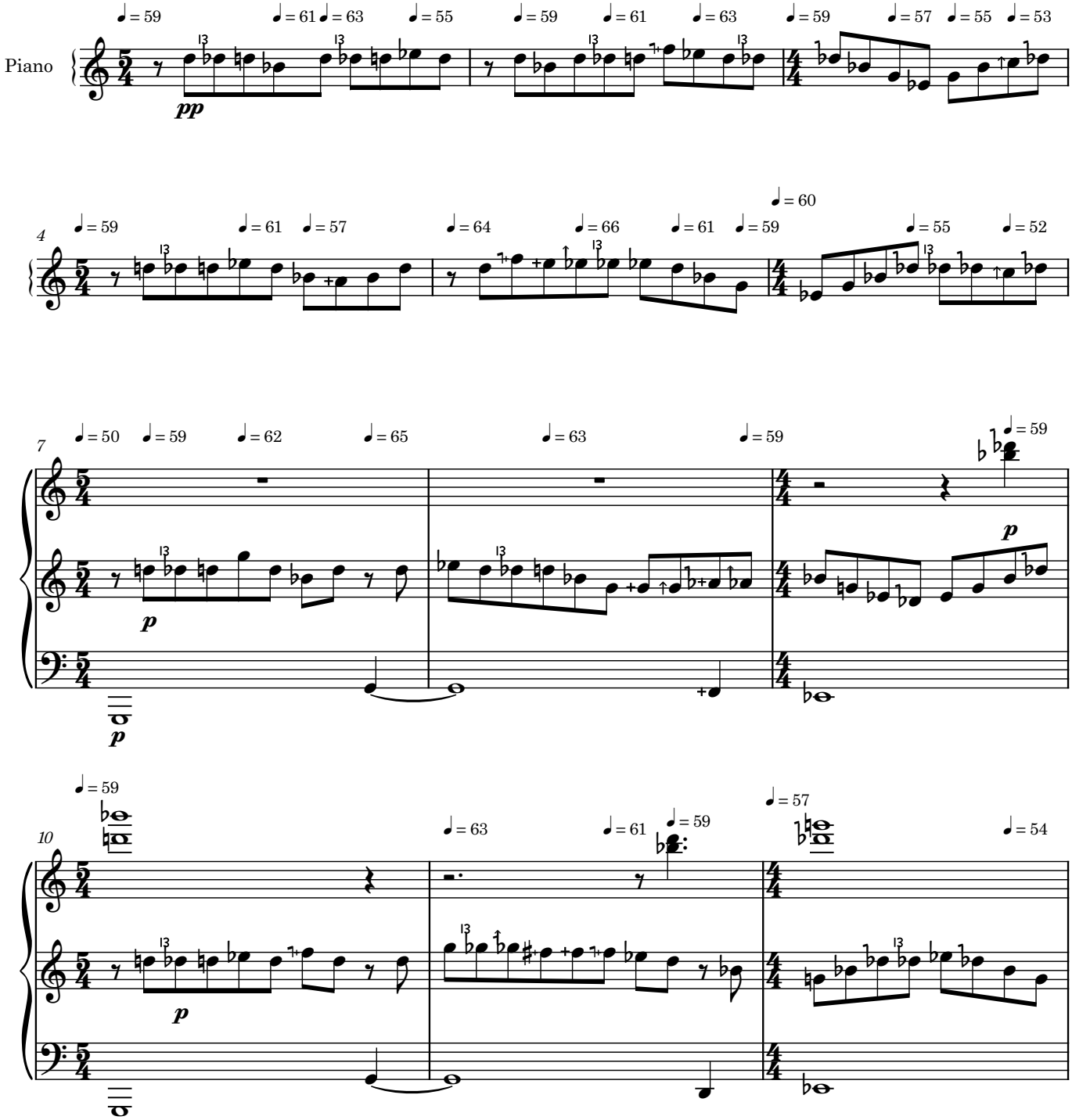


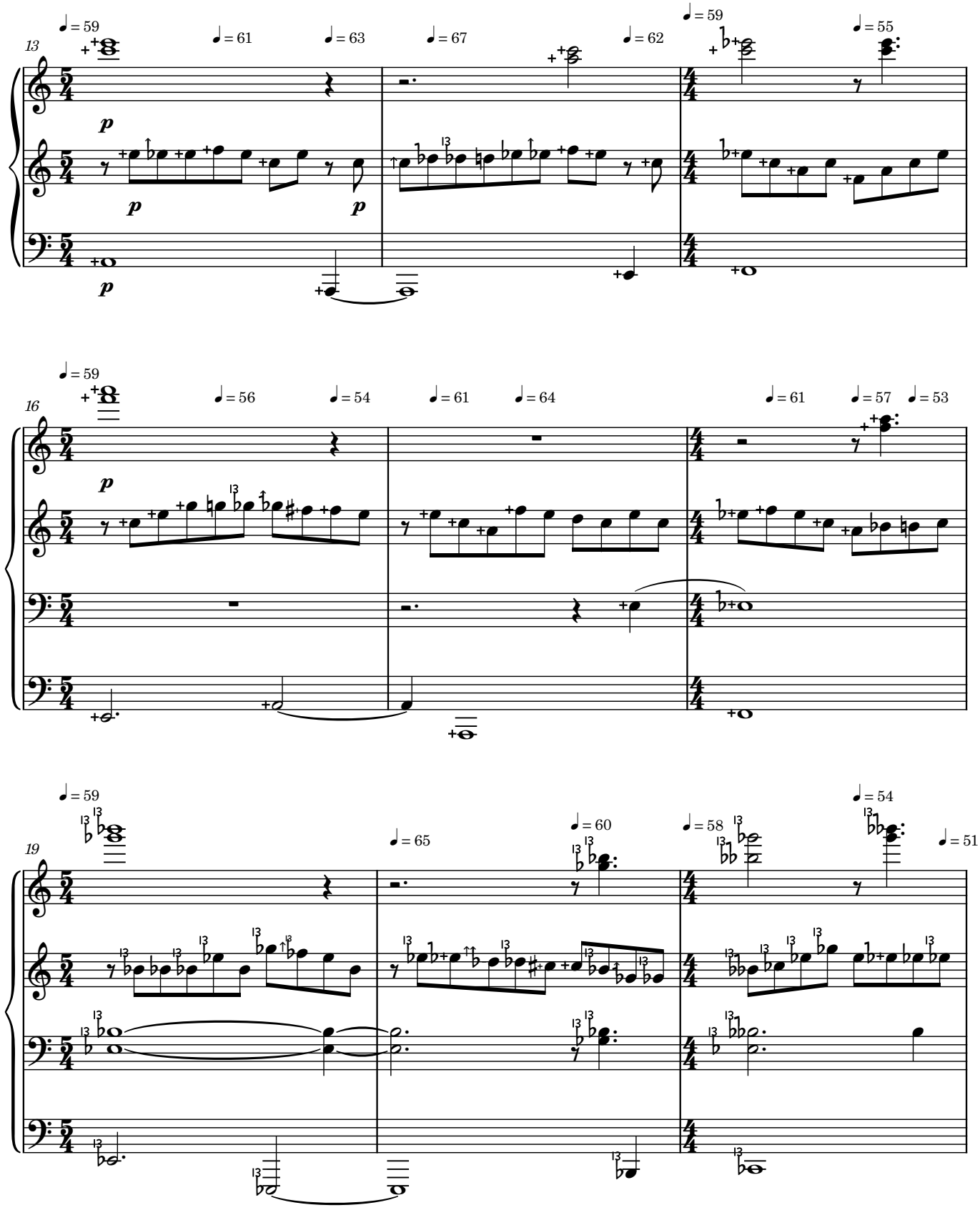


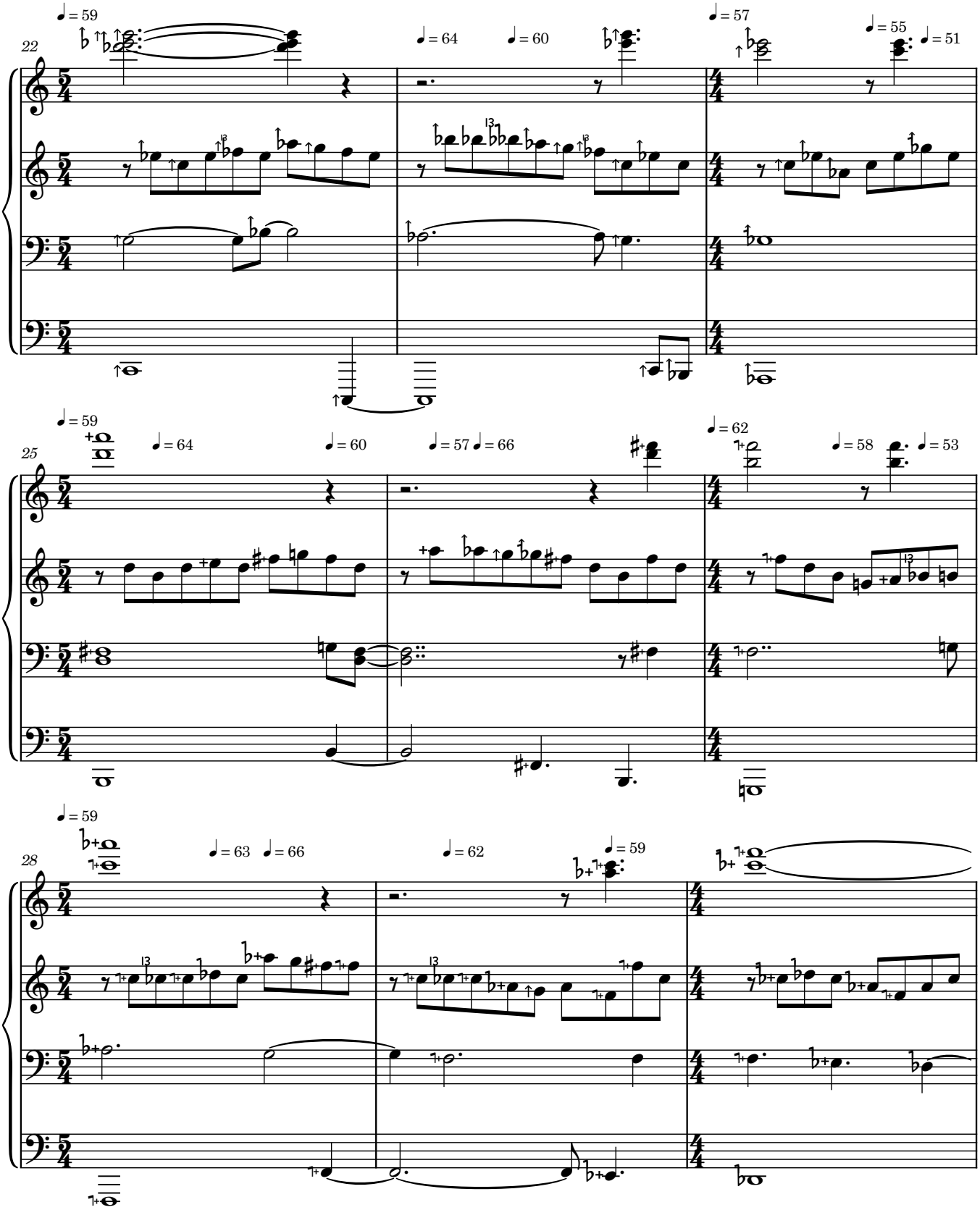
March 30 - July 14, 2021
Germantown, NY
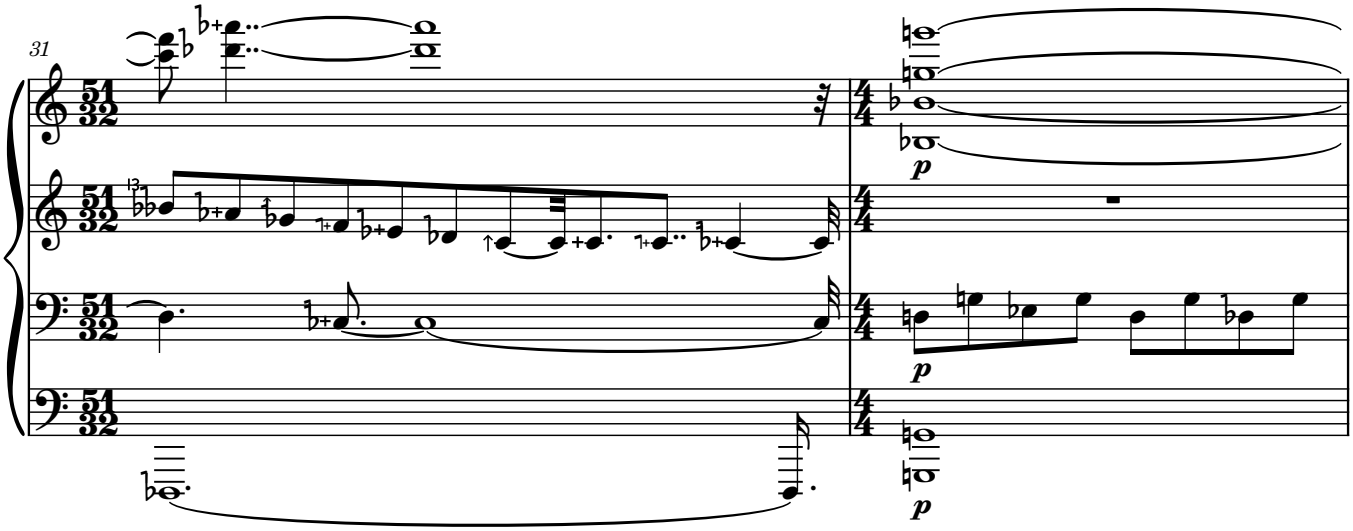
2.7 Kelvin

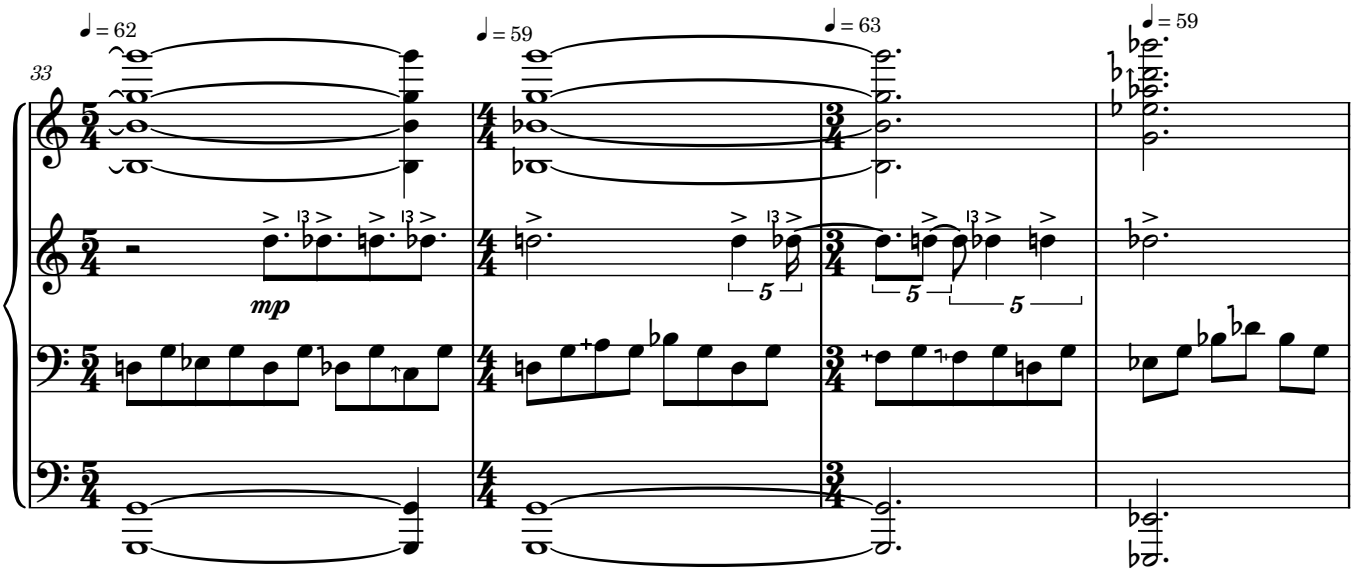
Kyle Gann
2020
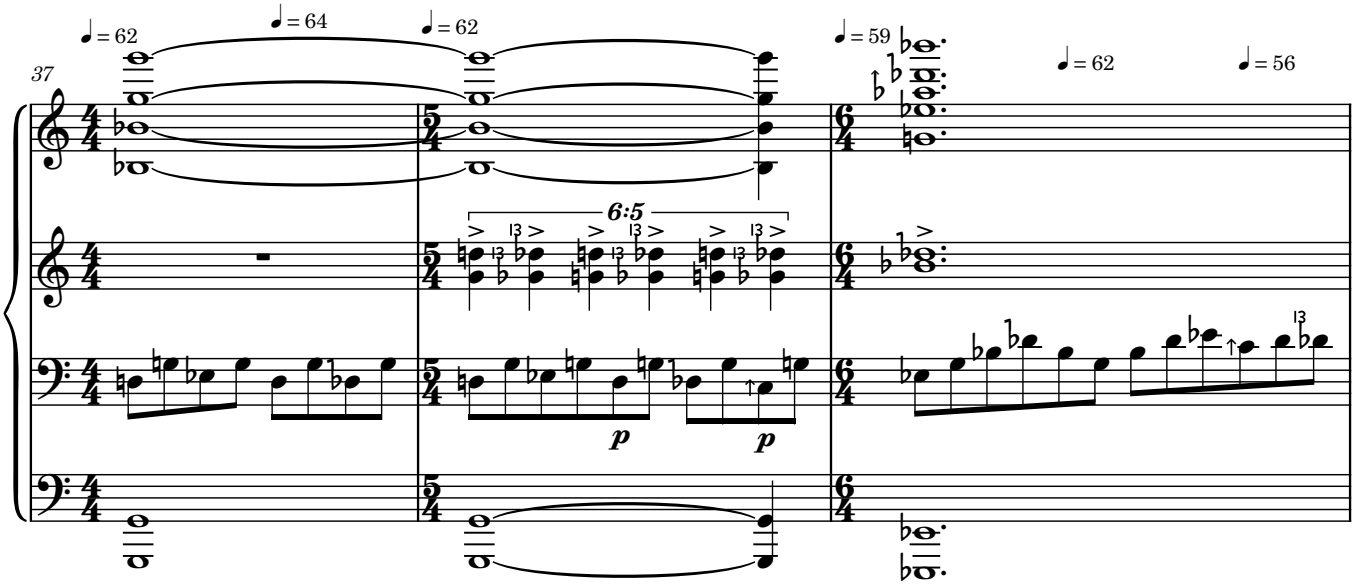


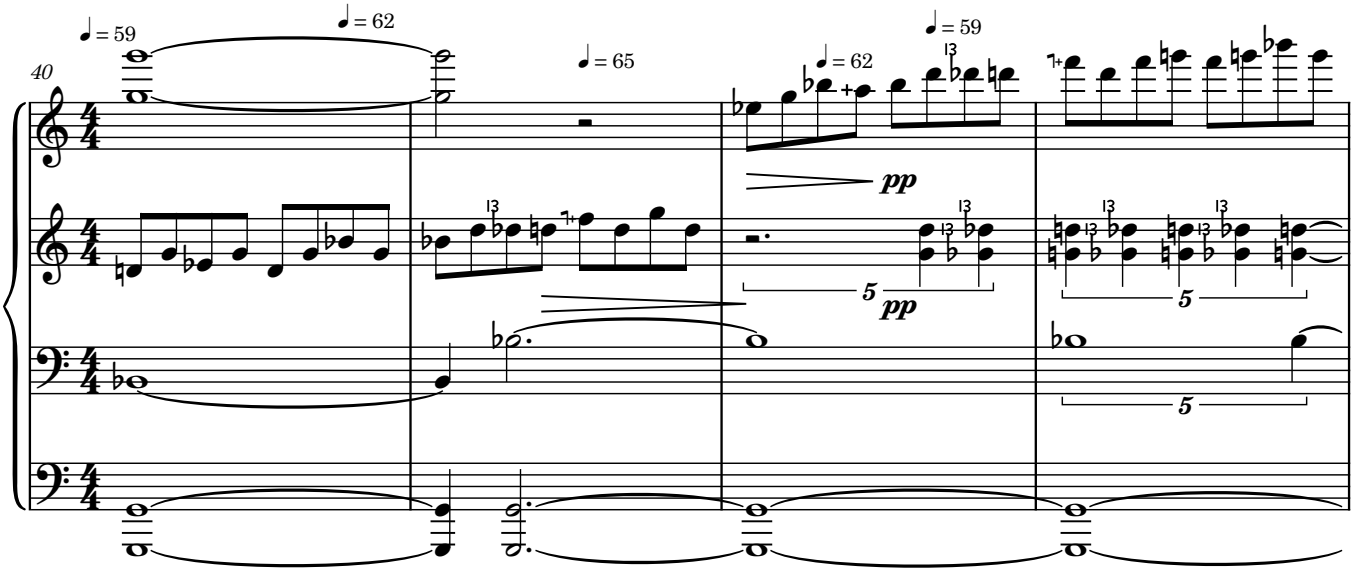

13
16
19
p
♩ = 59
♩ = 61
♩ = 63
♩ = 67
♩ = 62
♩ = 55
♩ = 56
♩ = 54
♩ = 61
♩ = 64
♩ = 57
♩ = 53
♩ = 65
♩ = 60
♩ = 58
♩ = 54
♩ = 51

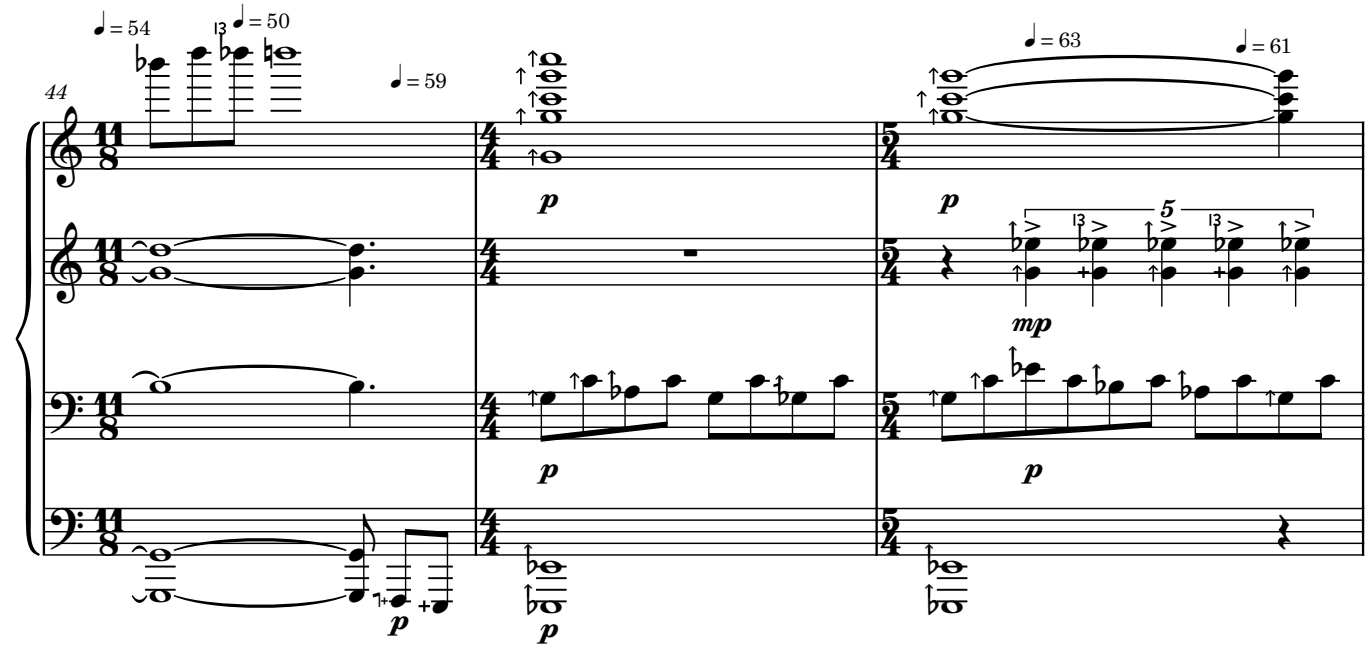

22
♩ = 59
♩ = 64
♩ = 60
♩ = 57
♩ = 55
♩ = 51
25
♩ = 59
♩ = 64
♩ = 60
♩ = 57
♩ = 66
♩ = 62
♩ = 58
♩ = 53
28
♩ = 59
♩ = 63
♩ = 66
♩ = 62
♩ = 59

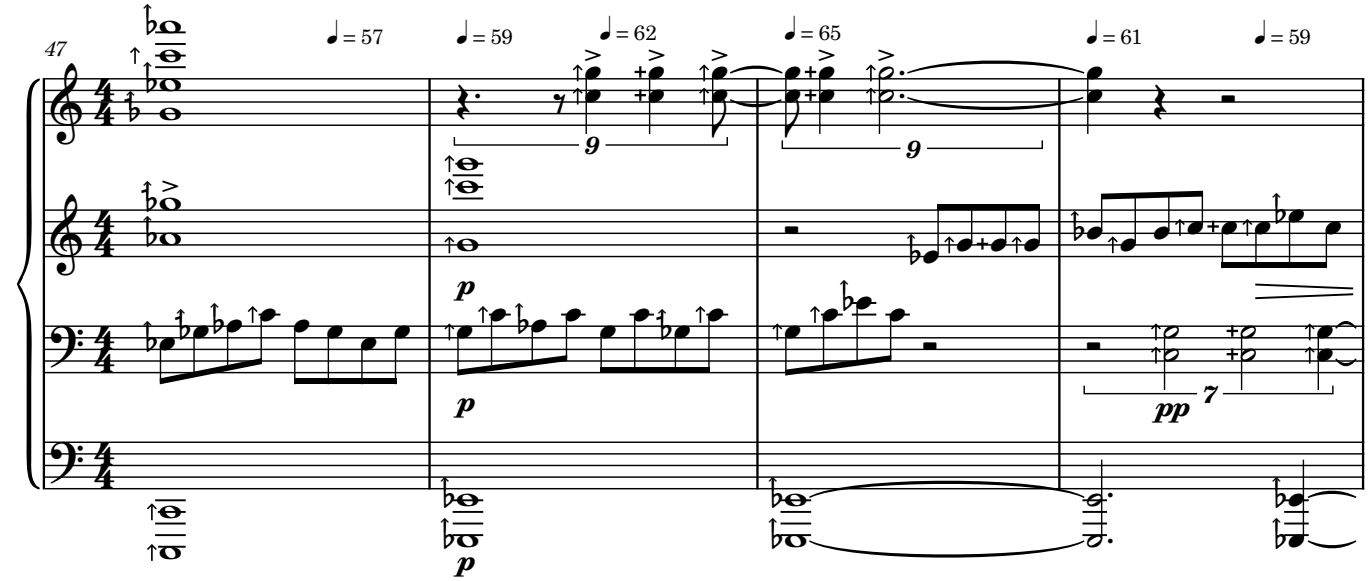

31
p
p
p

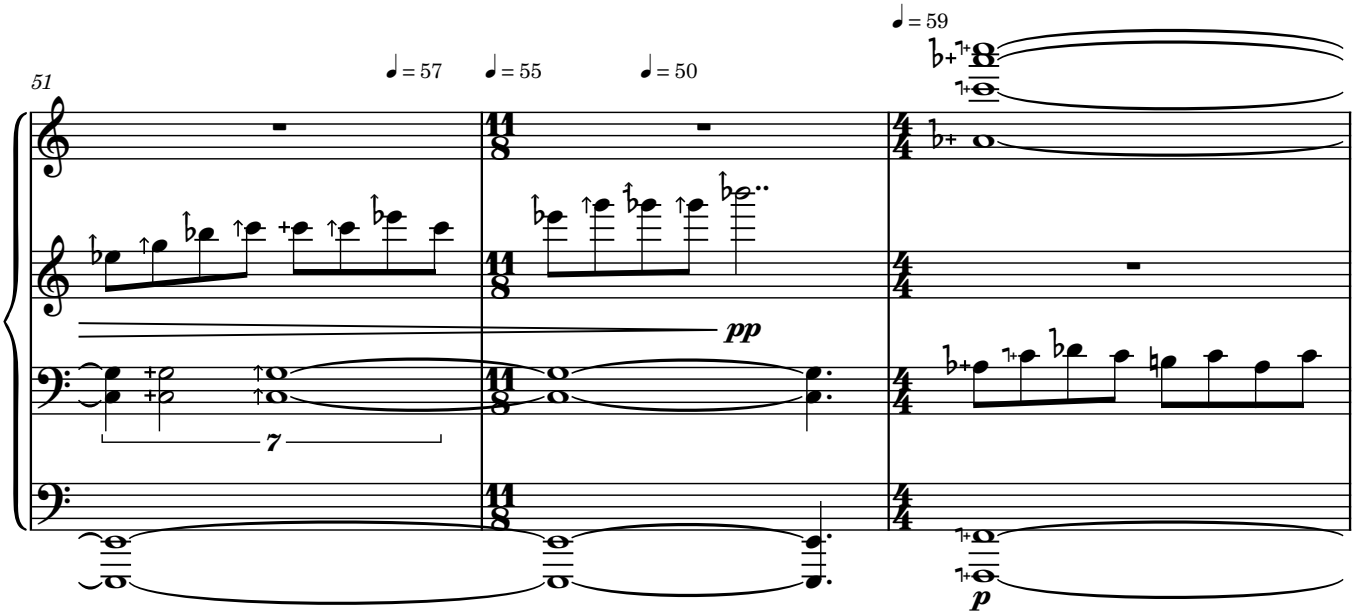

33
♩ = 62
♩ = 59
♩ = 63
♩ = 59
mp
5
5
5

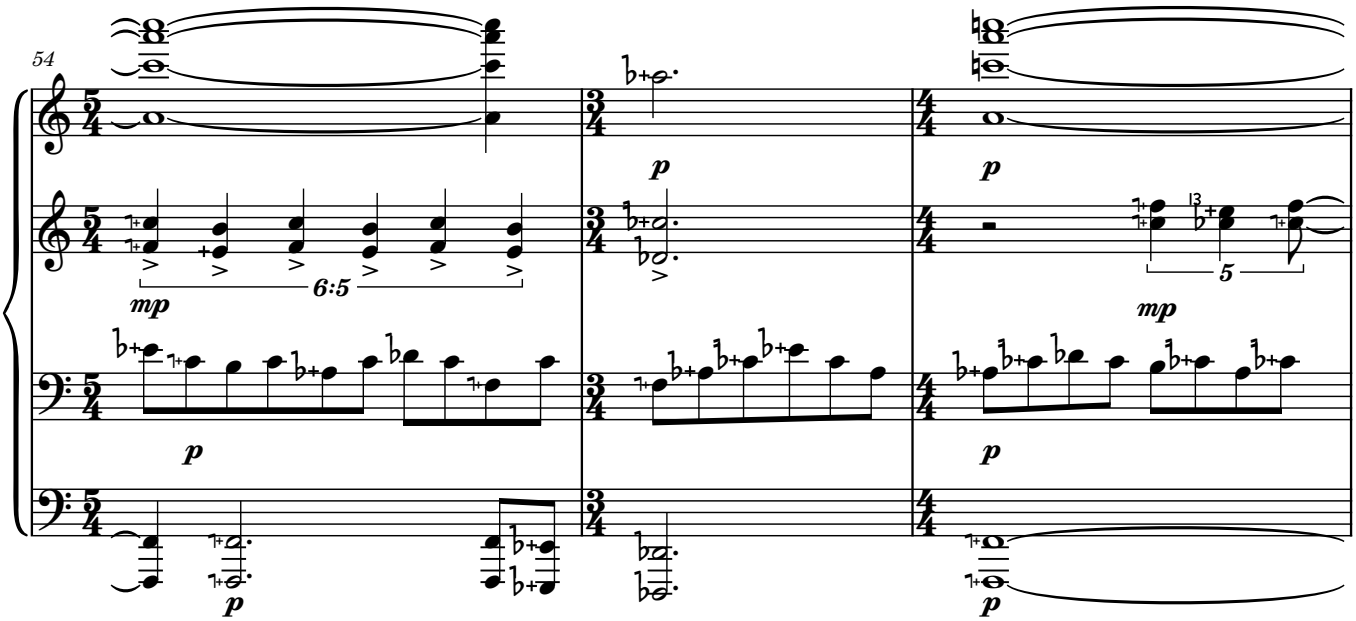

37
♩ = 62
♩ = 64
♩ = 62
♩ = 59
♩ = 62
♩ = 56
6:5
p
p
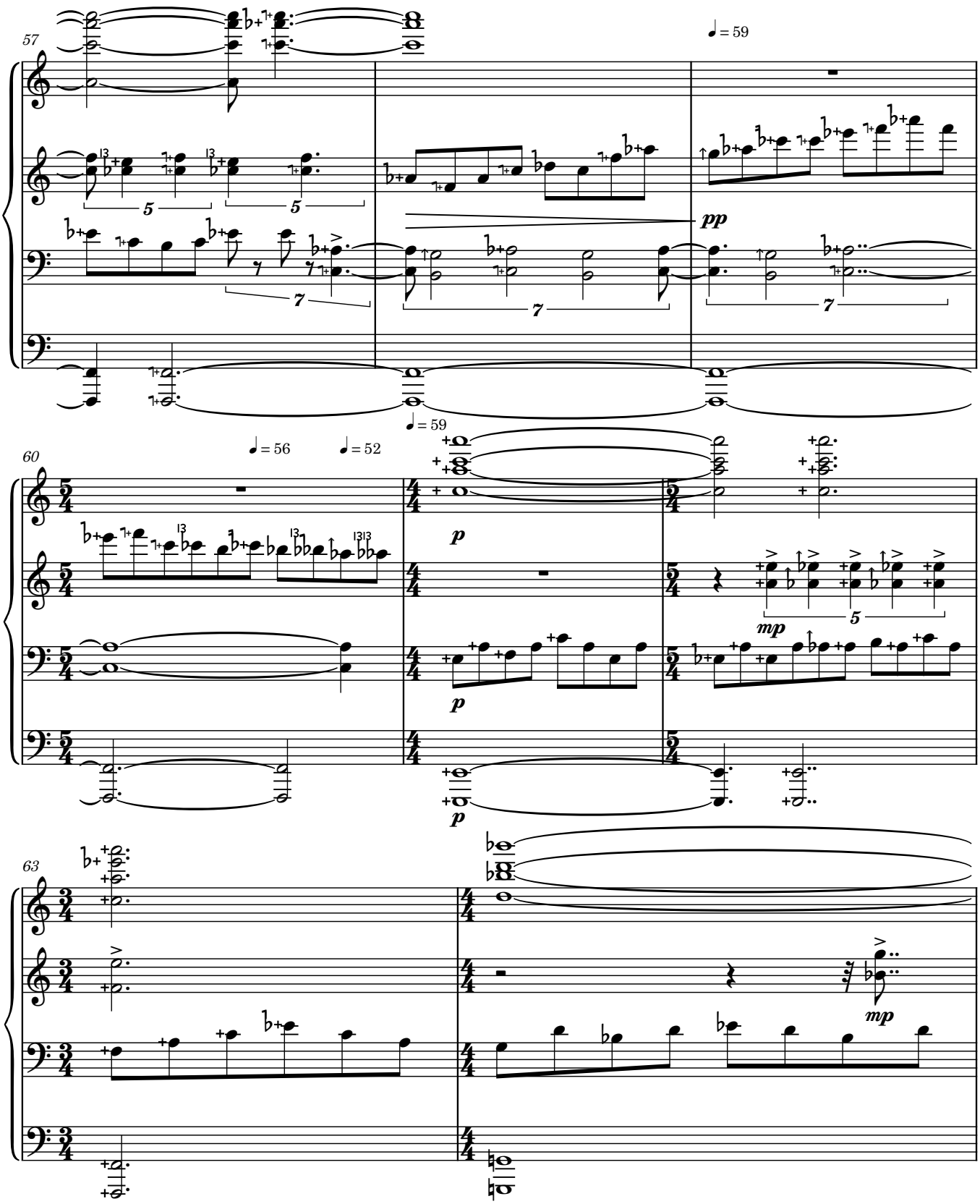

40
♩ = 59
♩ = 62
♩ = 65
♩ = 62
♩ = 59
pp
5
pp
5
5
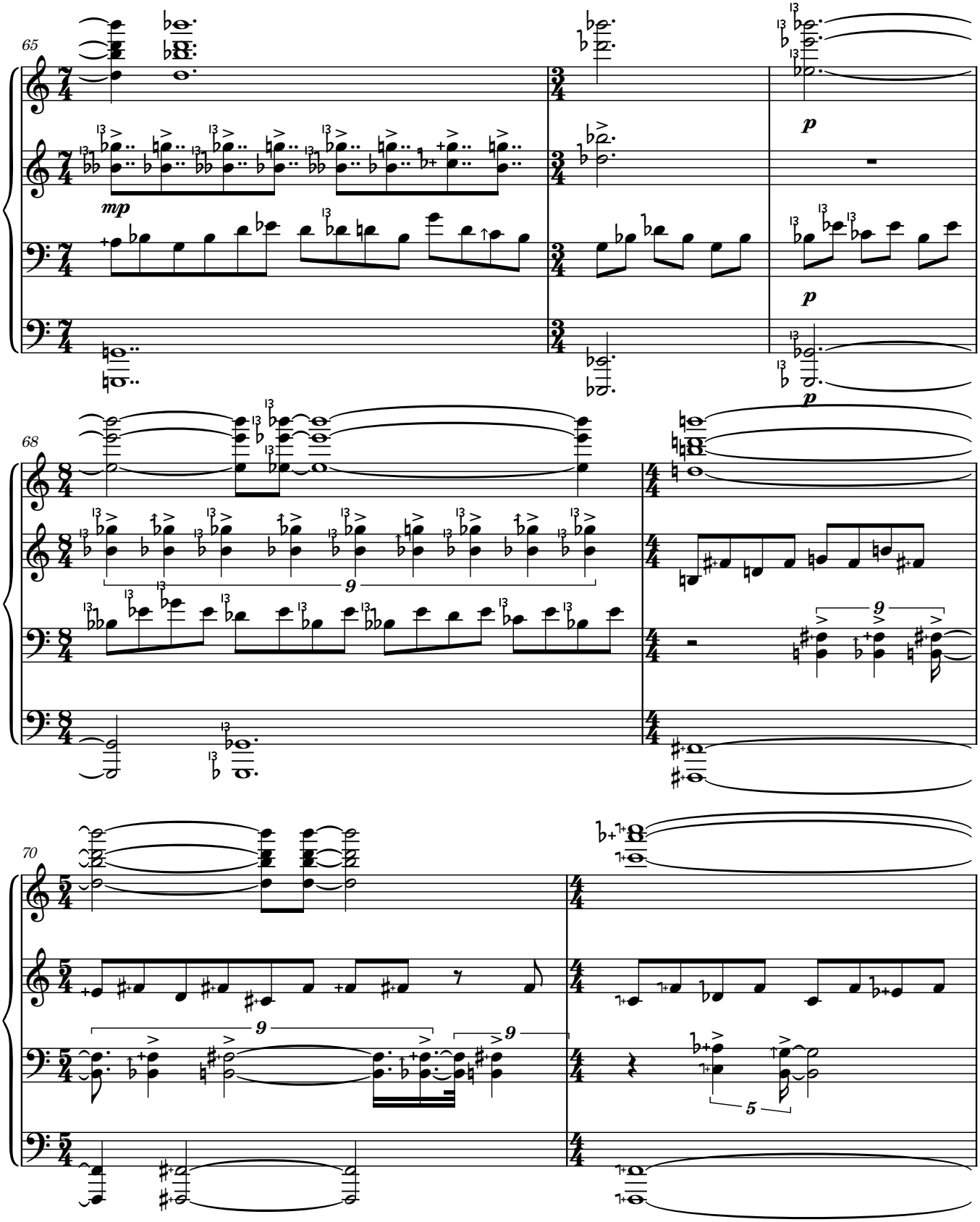

44
♩ = 54
♩ = 50
♩ = 59
♩ = 63
♩ = 61
p
mp
5

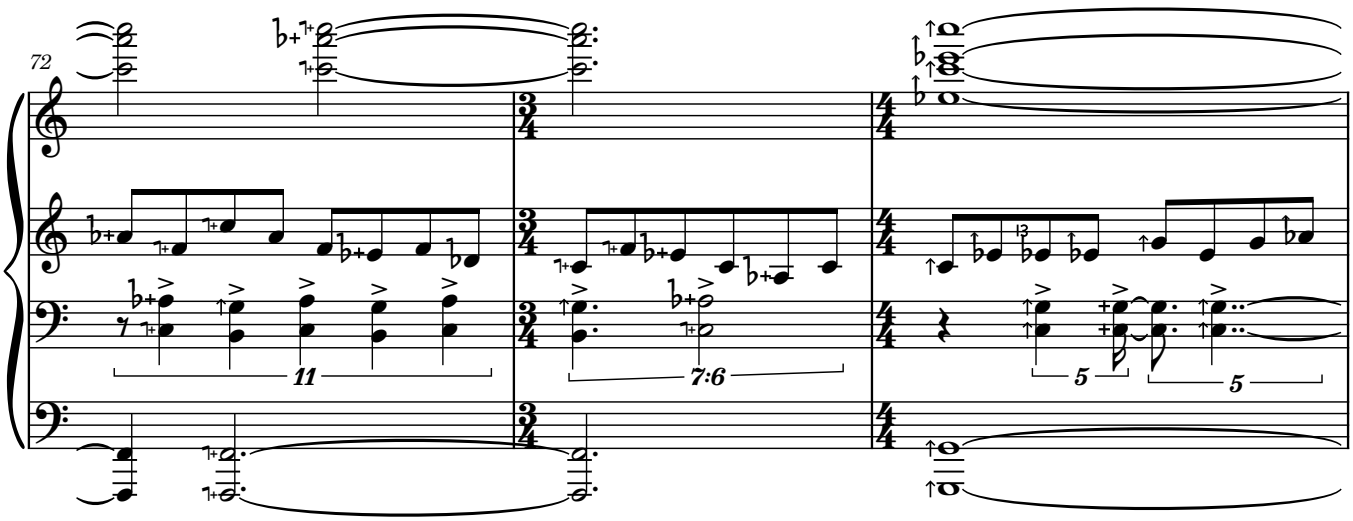

47
♩ = 57
♩ = 59
♩ = 62
♩ = 65
♩ = 61
♩ = 59
9
9
p
pp
7

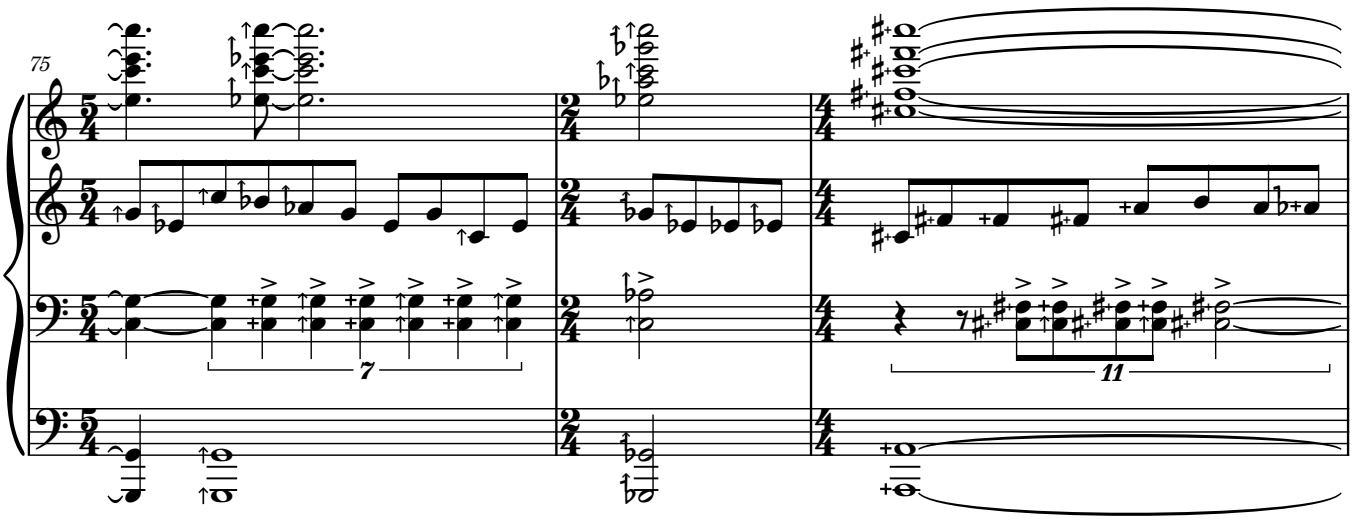

51
♩ = 57
♩ = 55
♩ = 50
♩ = 59
pp
7
p

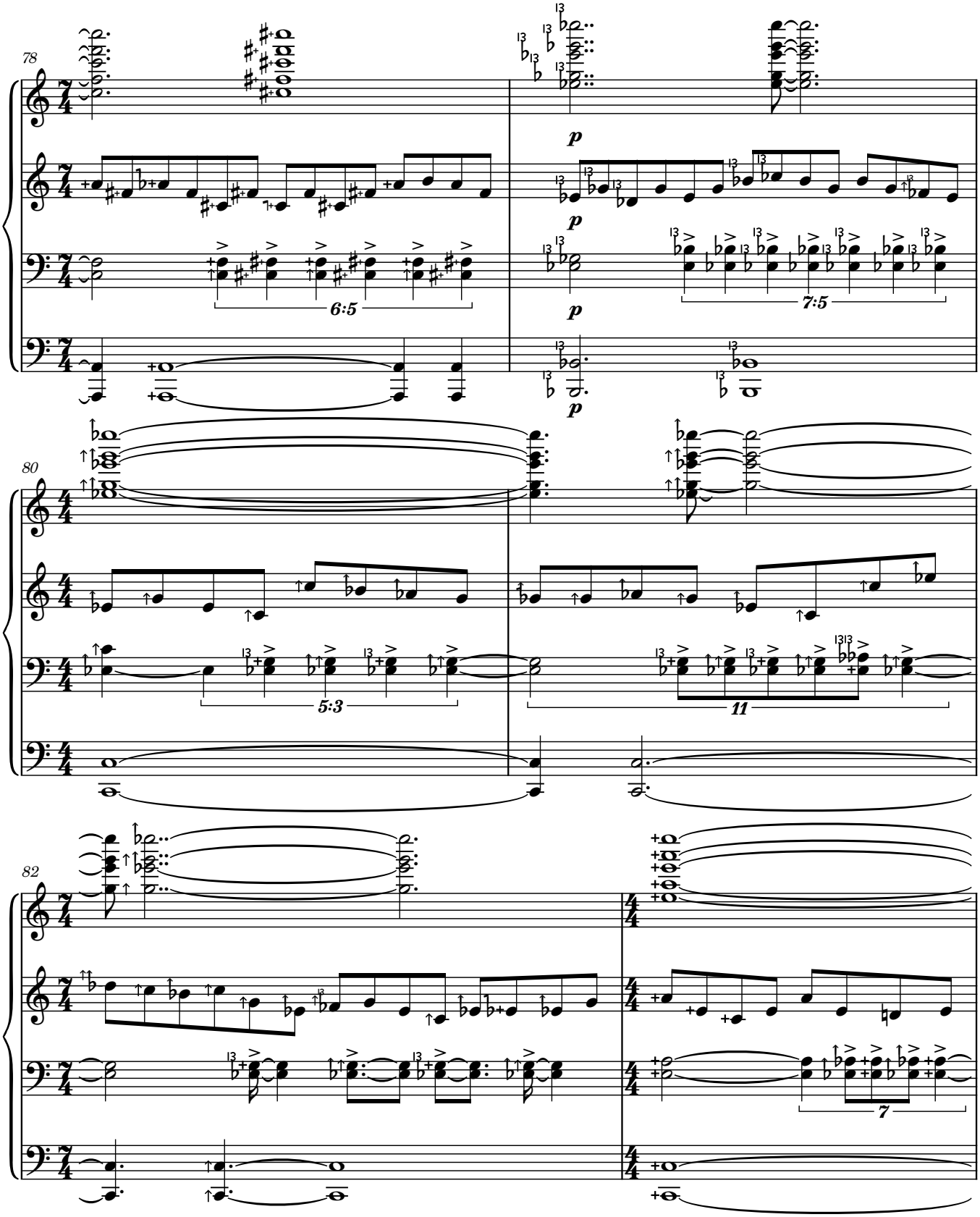

54
mp
6:5
p
5
mp
p
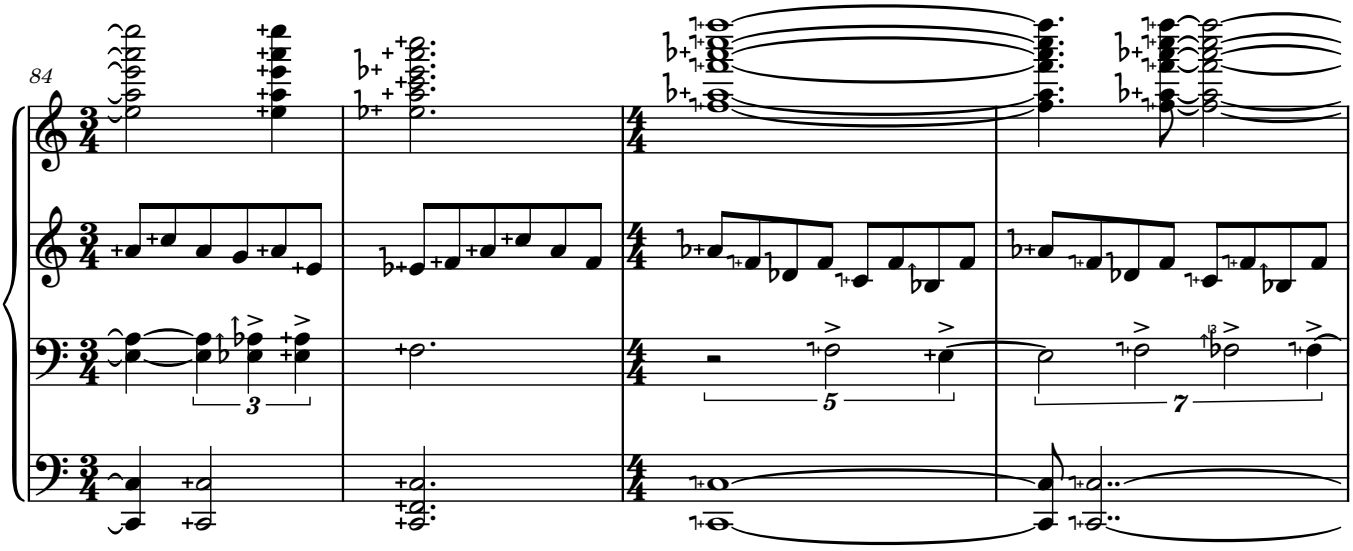

57
♩ = 59
pp
60
♩ = 56
♩ = 52
♩ = 59
p
mp
63
mp

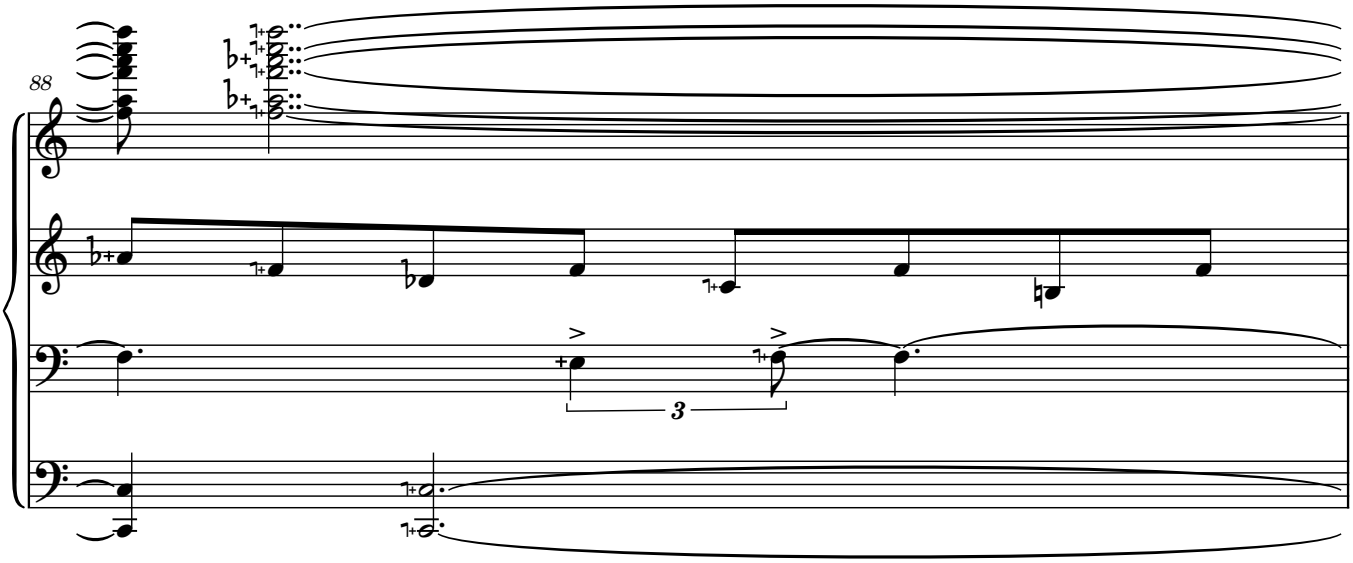

65
mp
p
p
p
68
9
9
70
9
9
5
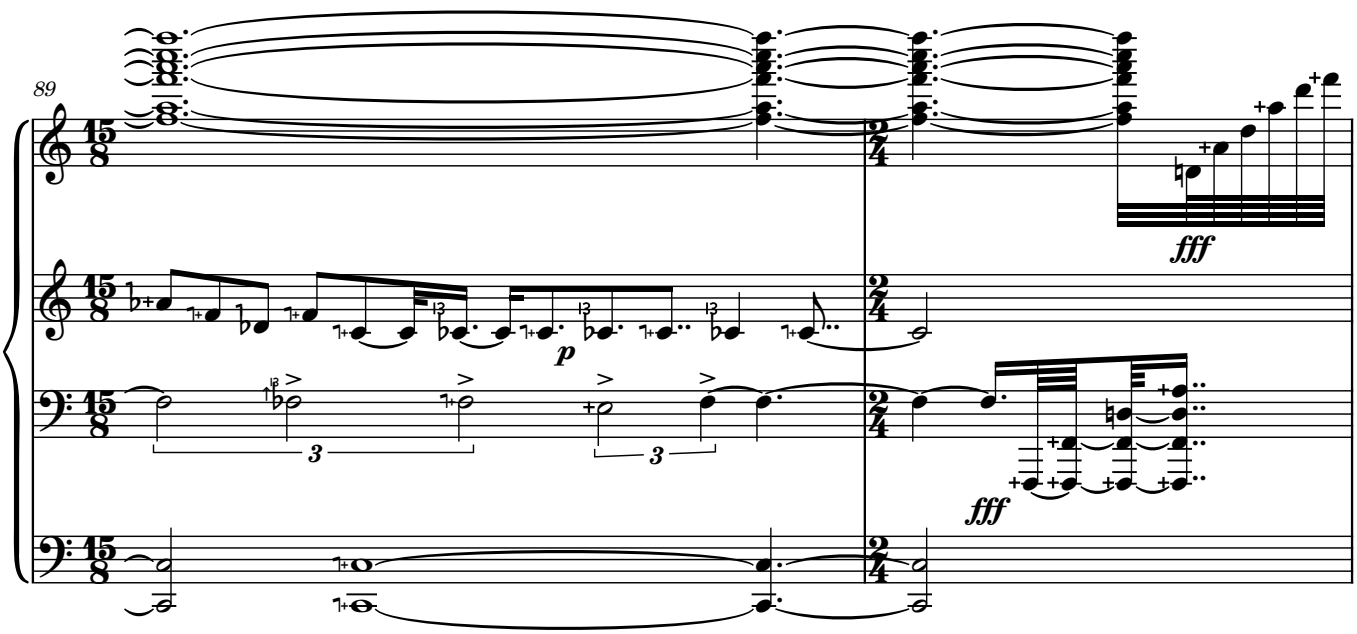

72
11
7:6
5
5

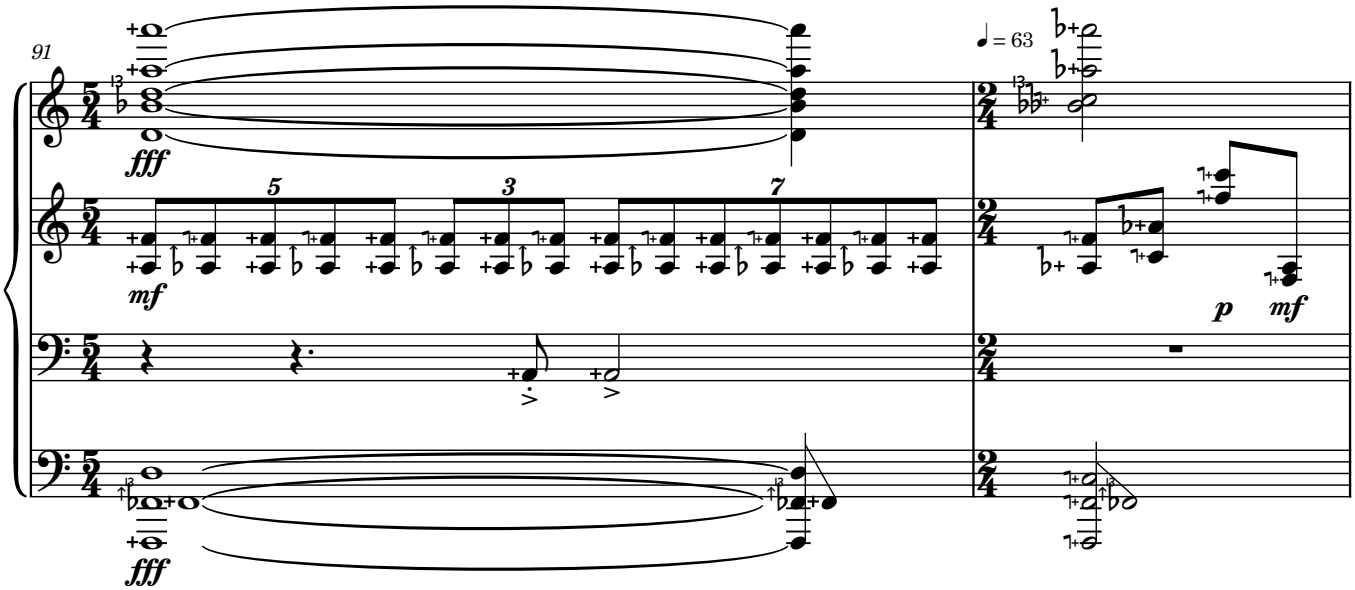

75
7
11

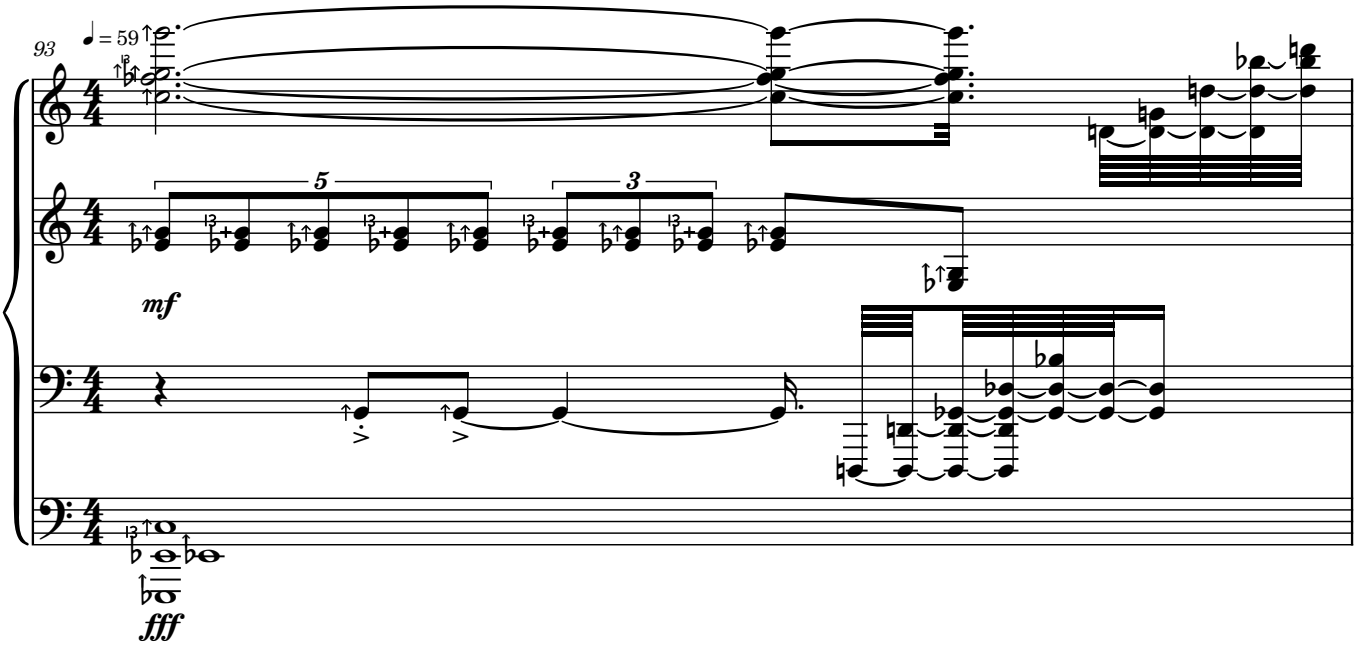

78
p
6:5
7:5
80
5:3
11
82
7

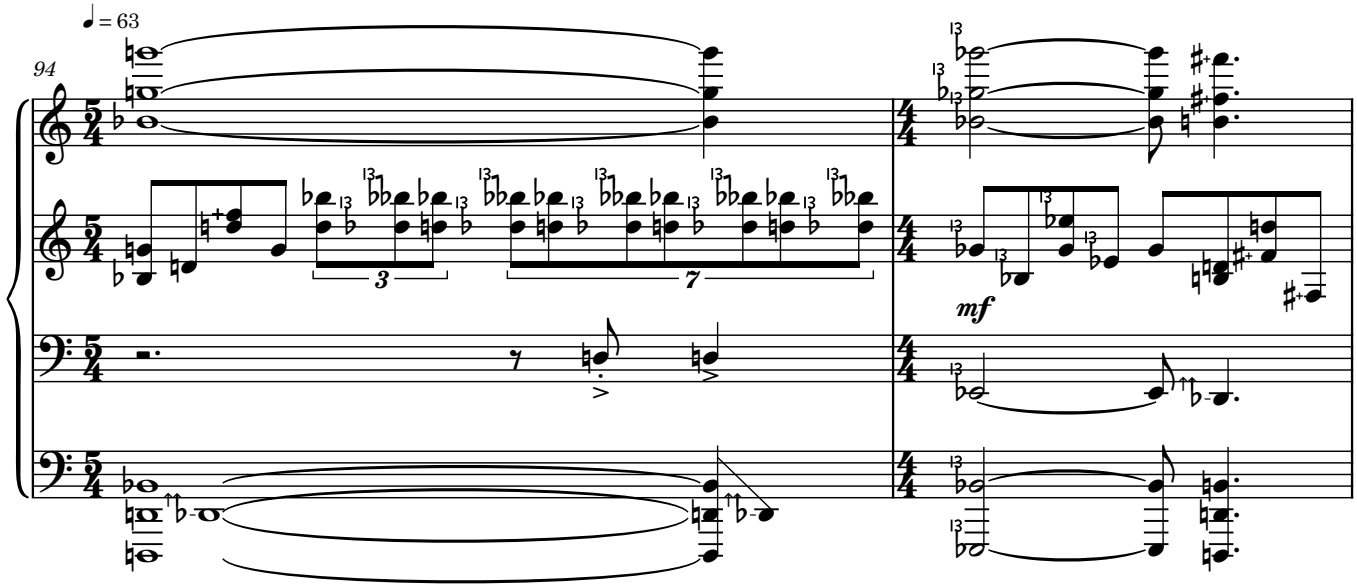

84
3
5
7

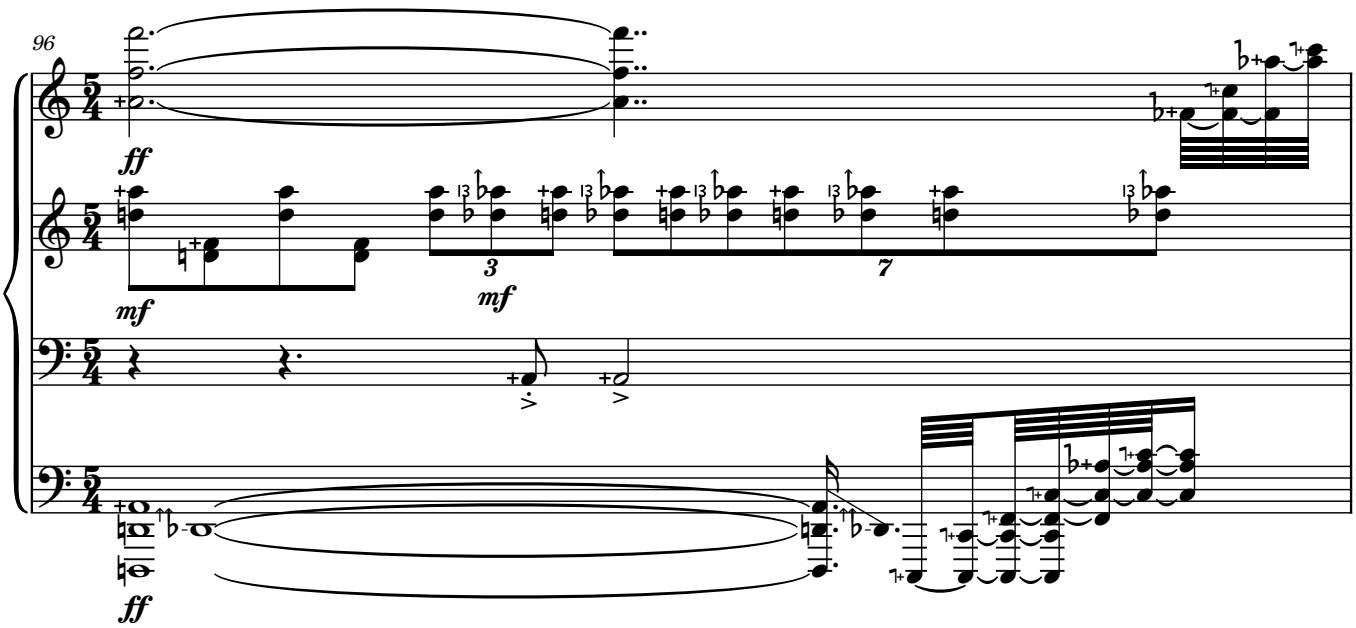

88
3

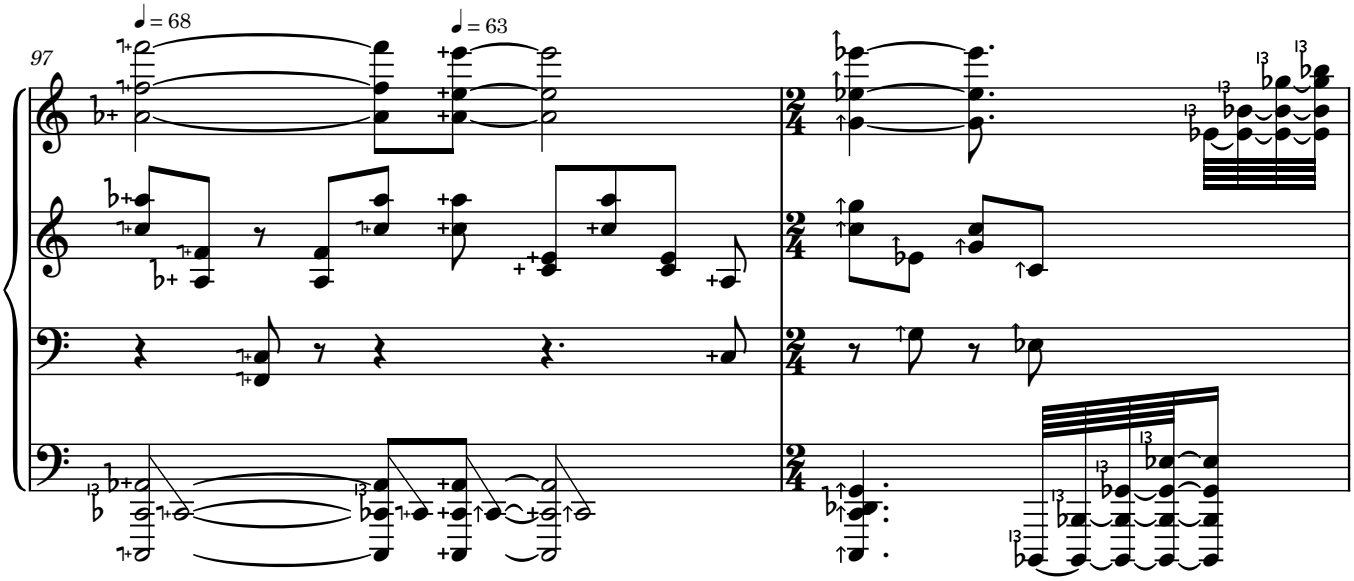

89
fff
p
fff
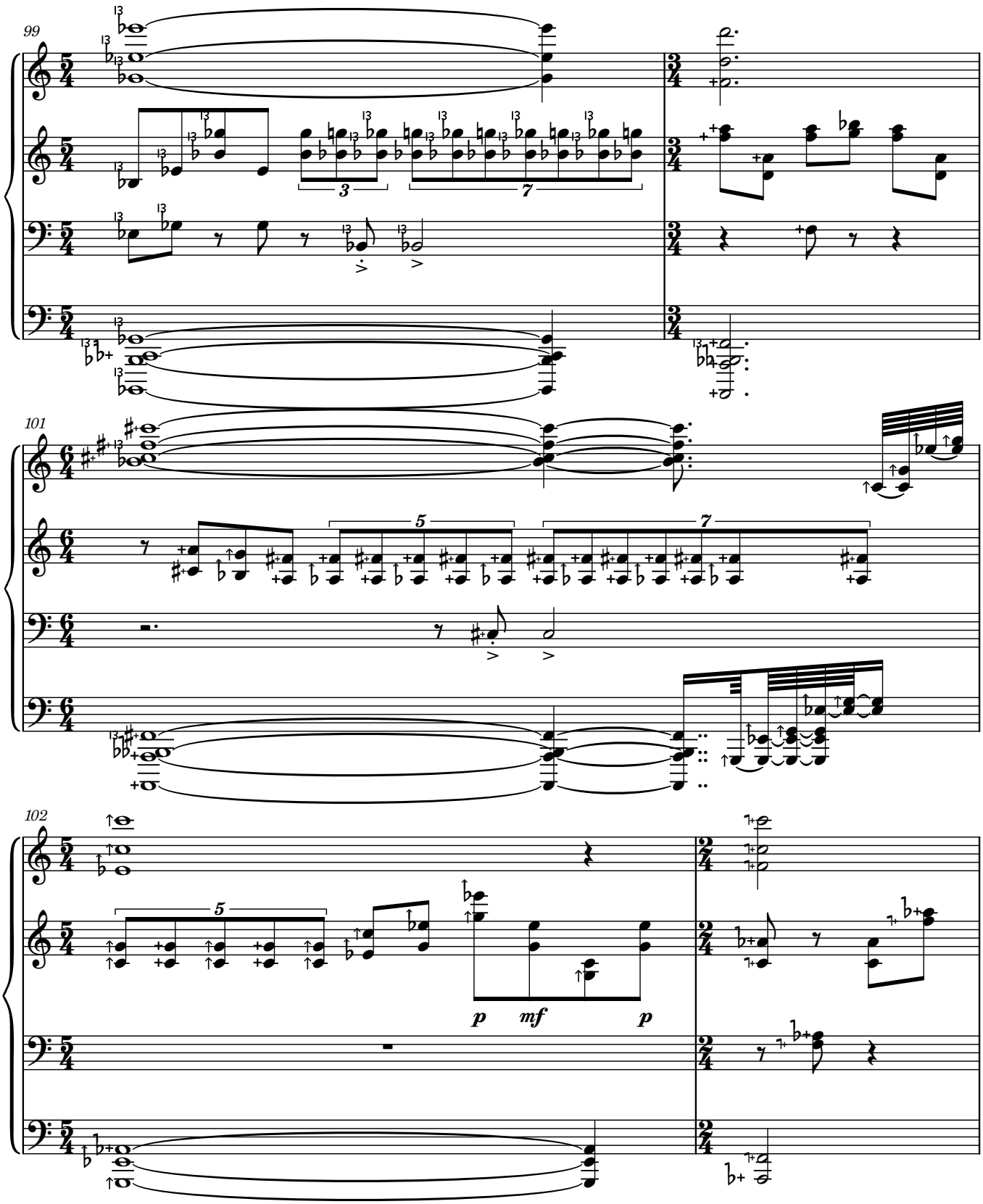

91
fff
mf
♩ = 63
p
mf
fff
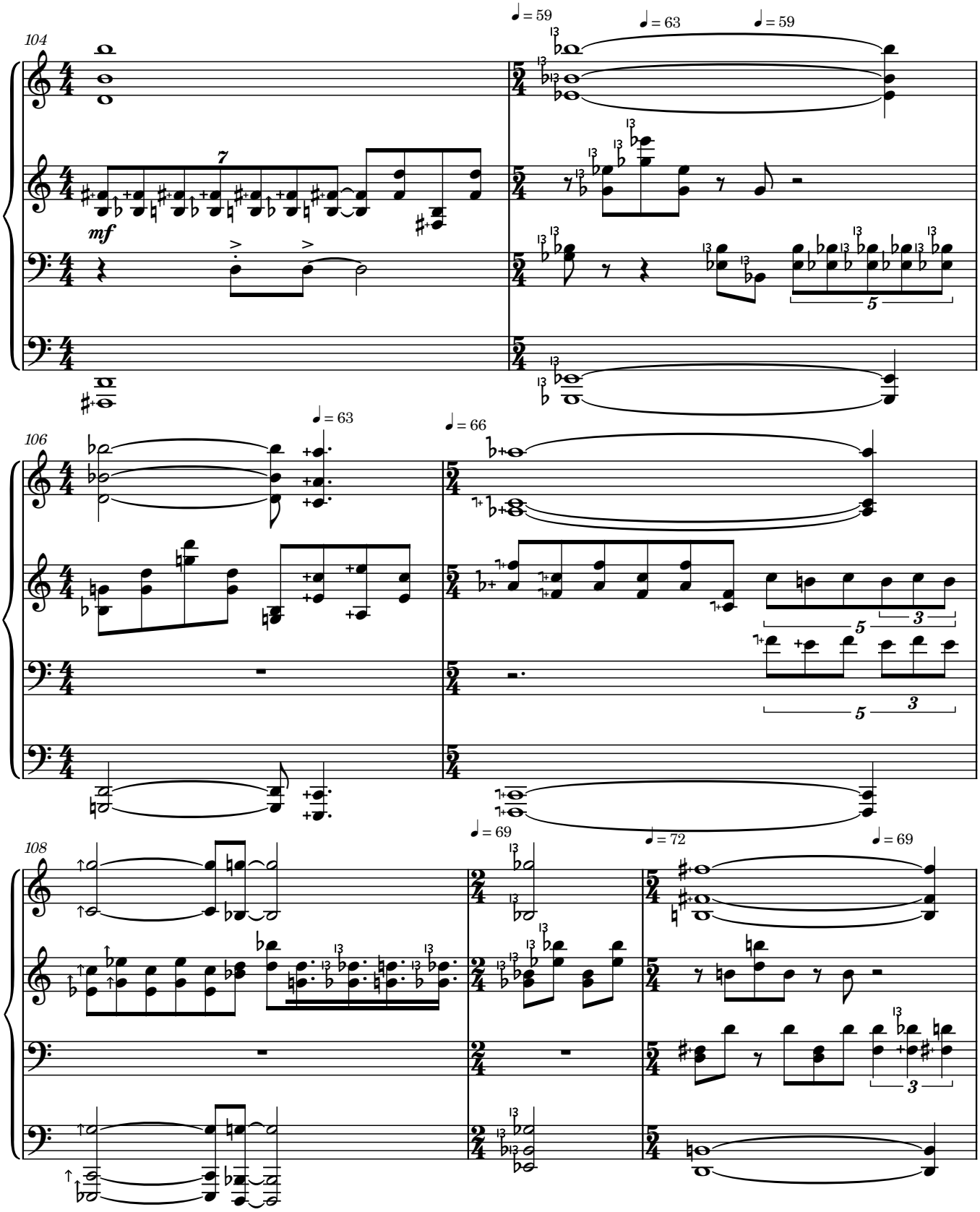

93
♩ = 59
5
3
mf
fff
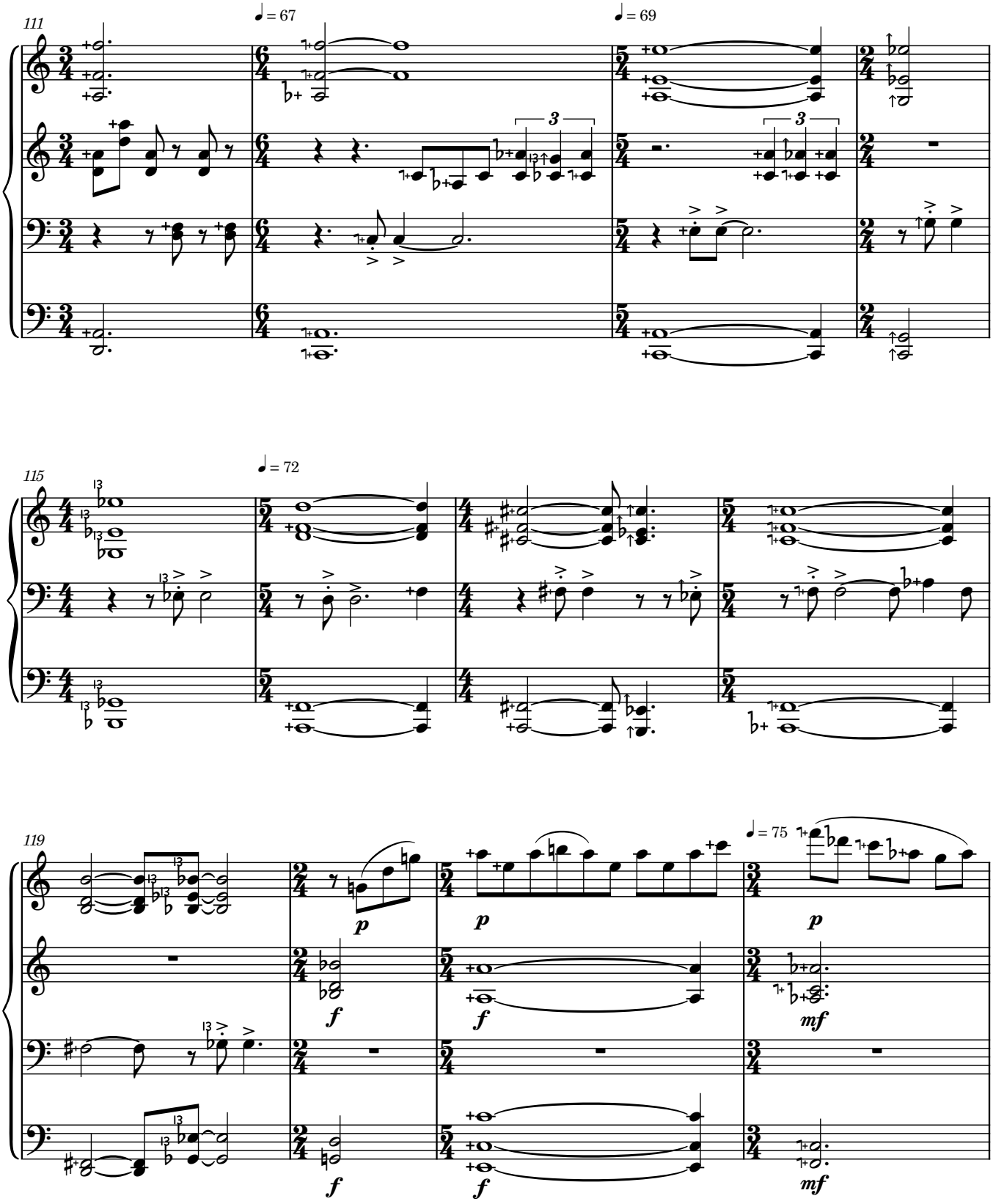

94
♩ = 63
3
7
mf

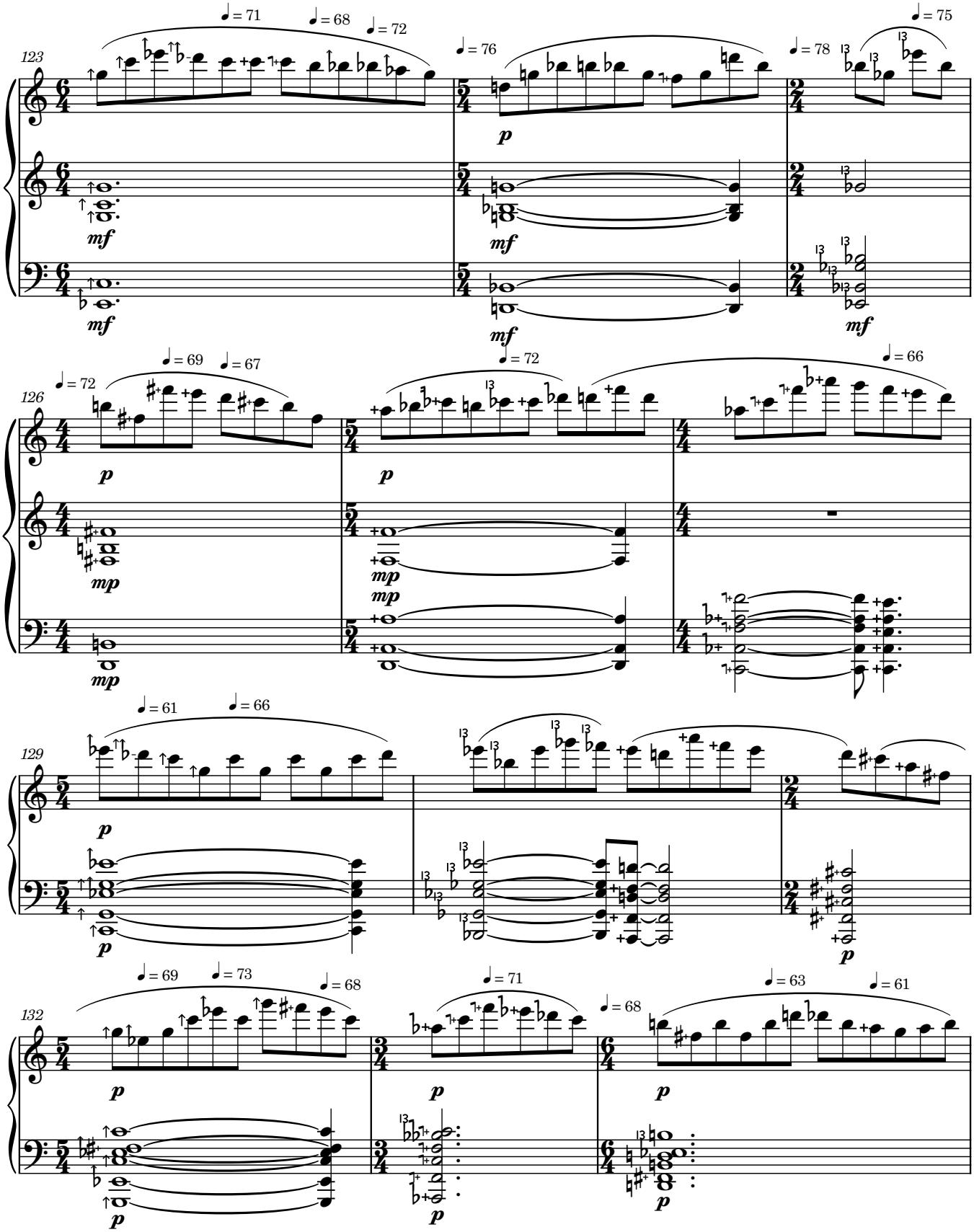

96
ff
mf
3
mf
7
ff

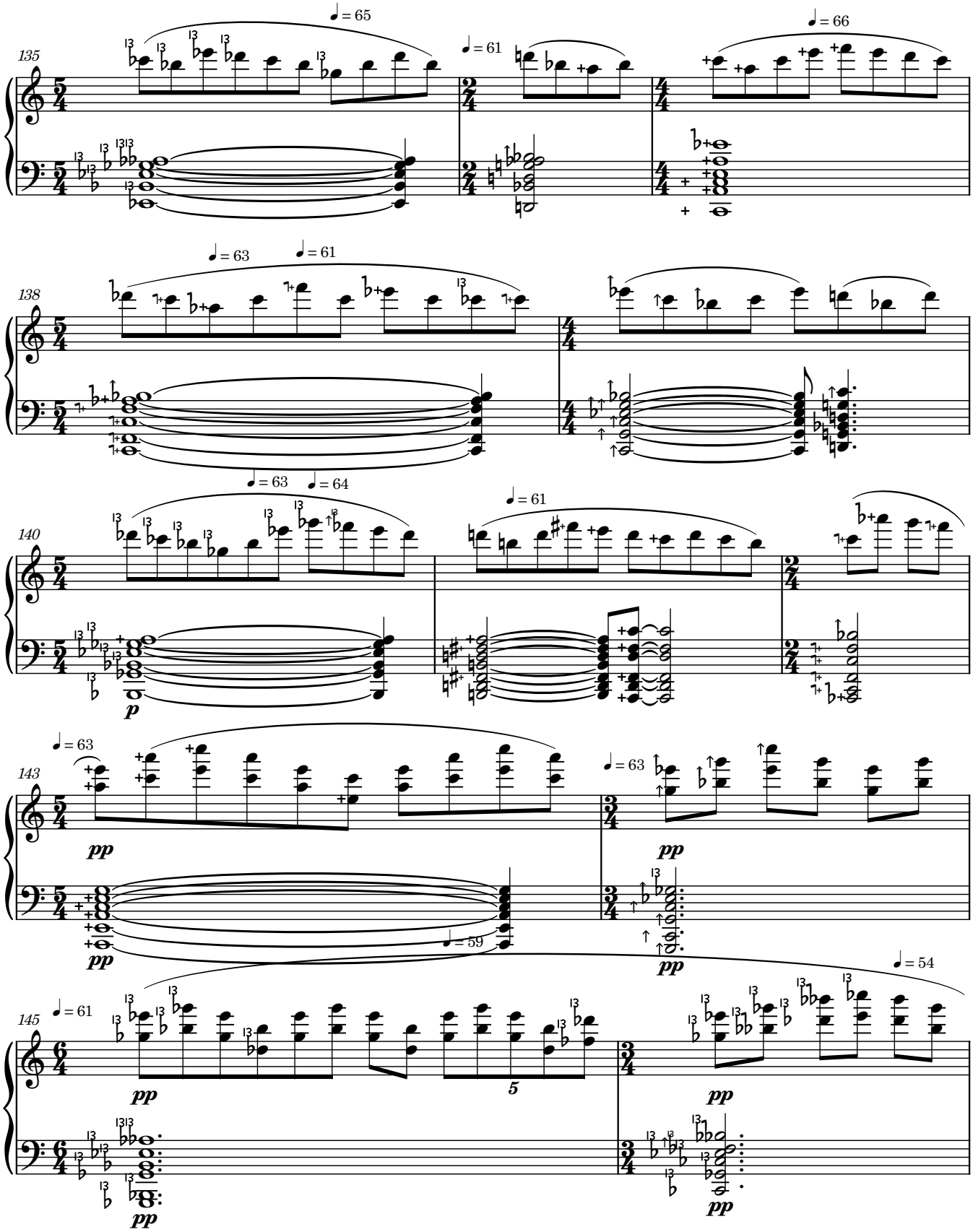

97
♩ = 68
♩ = 63
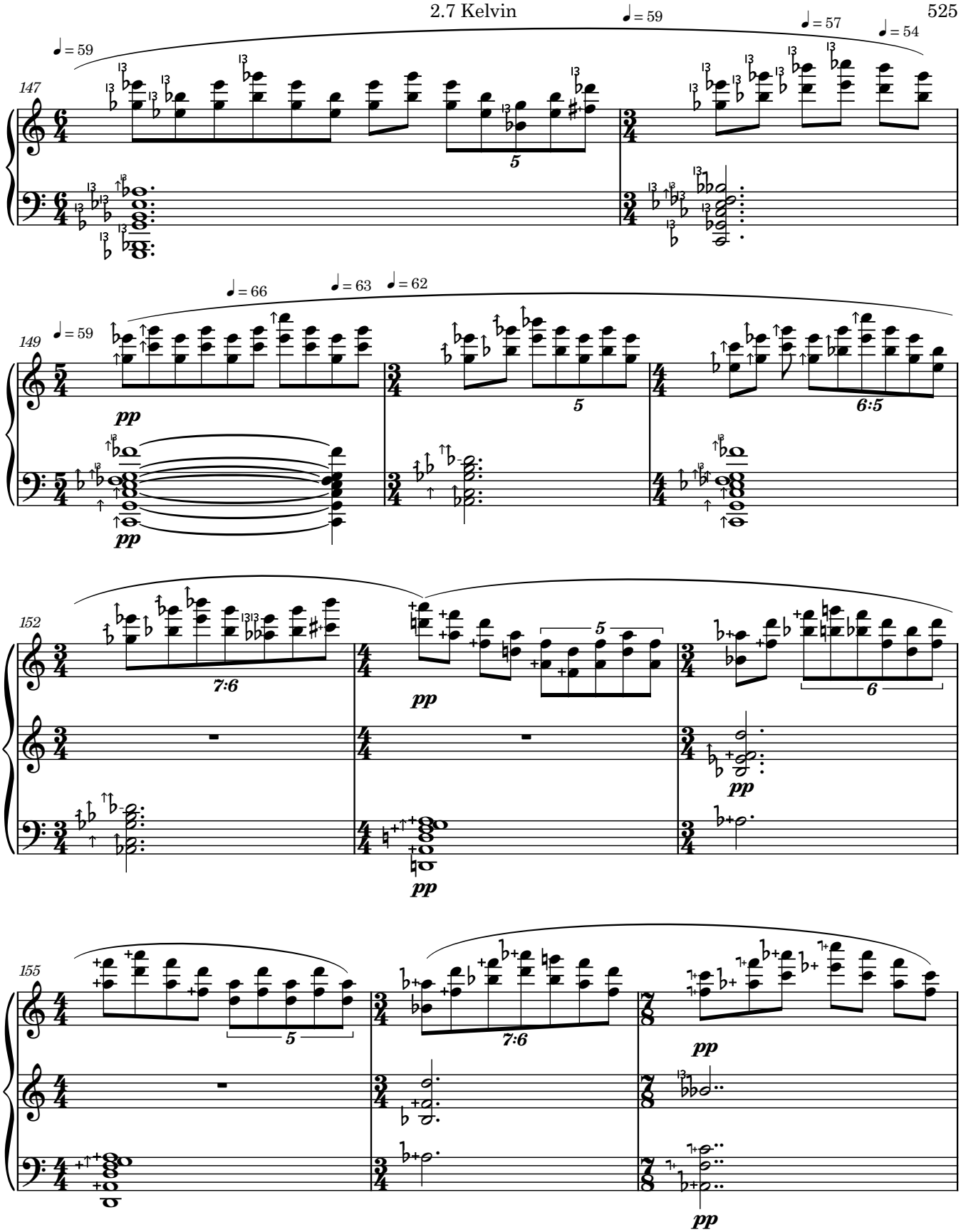

99
101
102
p
mf
p
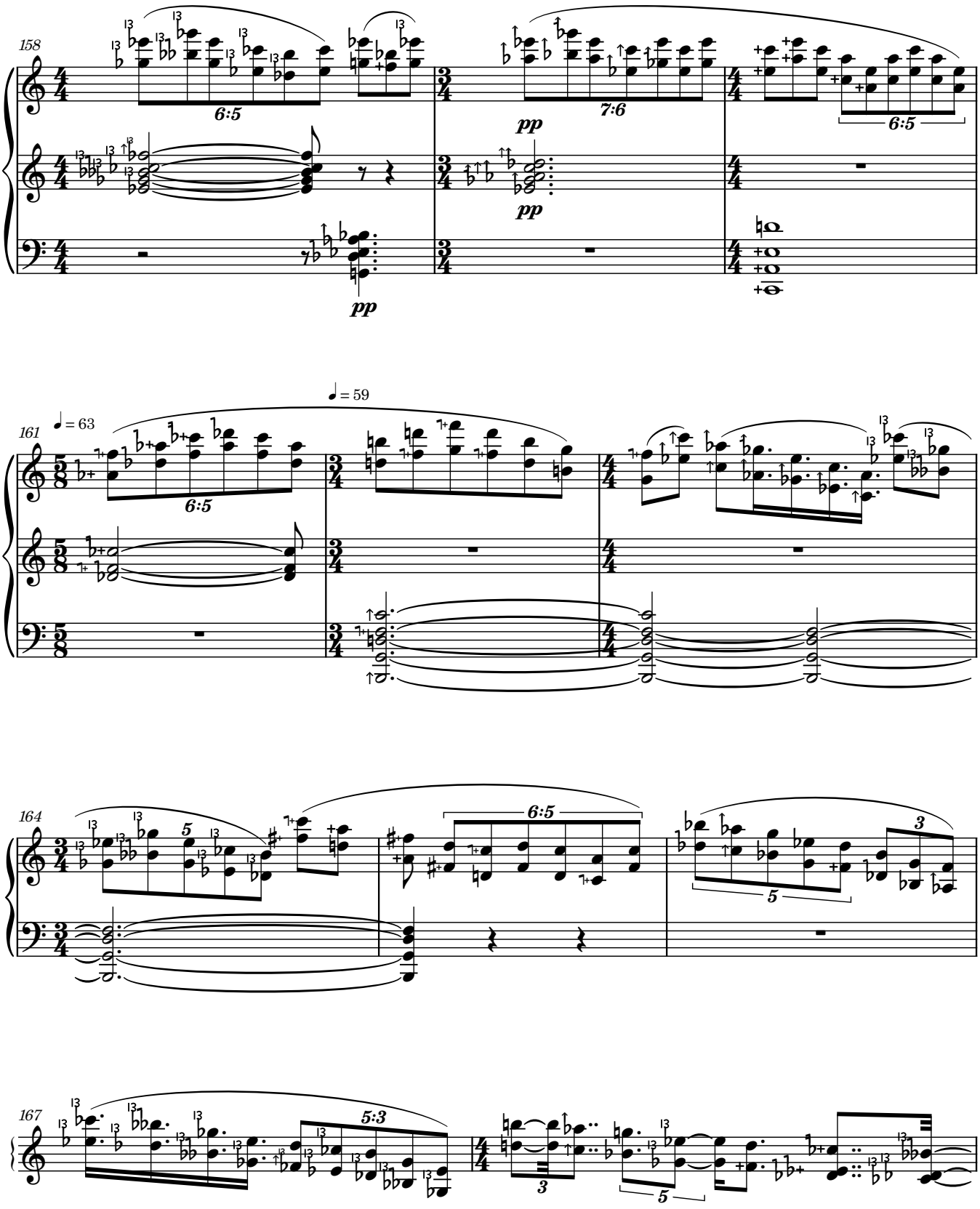

104
♩ = 59
♩ = 63
♩ = 59
7
mf
106
♩ = 63
♩ = 66
5
3
5
3
108
♩ = 69
♩ = 72
♩ = 69
3
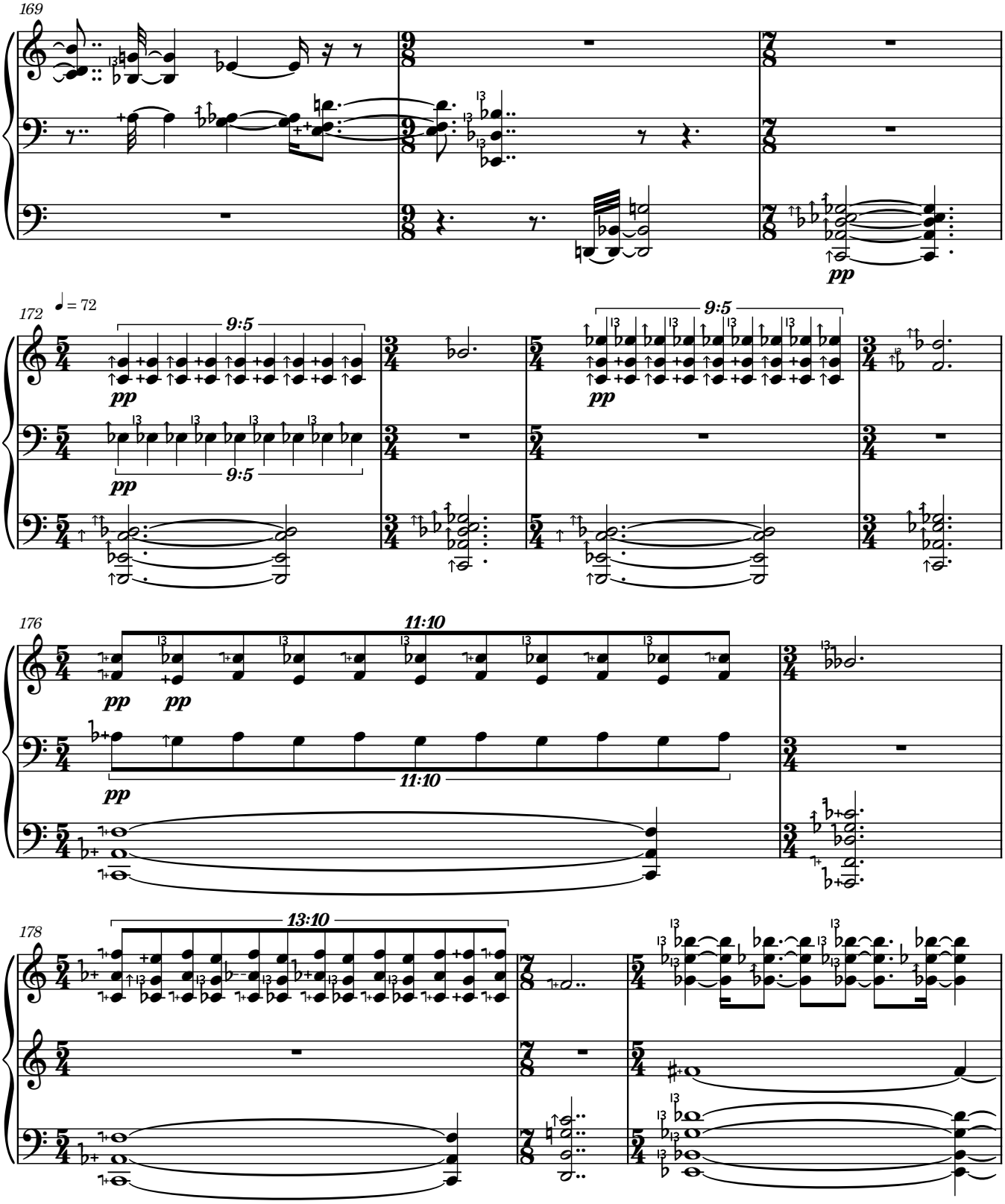

111
♩ = 67
♩ = 69
115
♩ = 72
119
♩ = 75
p
f
mf

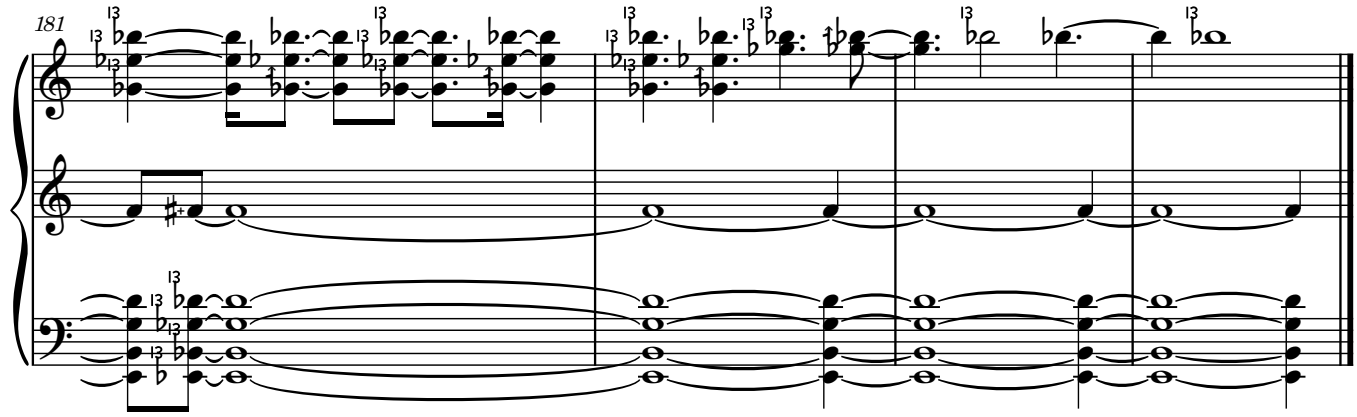

123
126
129
132


135
♩ = 65
♩ = 61
♩ = 66
138
♩ = 63
♩ = 61
140
♩ = 63
♩ = 64
♩ = 61
p
143
♩ = 63
pp
♩ = 63
pp
♩ = 59
pp
145
♩ = 61
pp
5
♩ = 54
pp
pp
pp


147
149
152
155
pp
5
6:5
7:6
6


158
6:5
7:6
6:5
pp
pp
pp
161
♩ = 63
♩ = 59
6:5
164
5
6:5
5
3
167
5:3
3
5

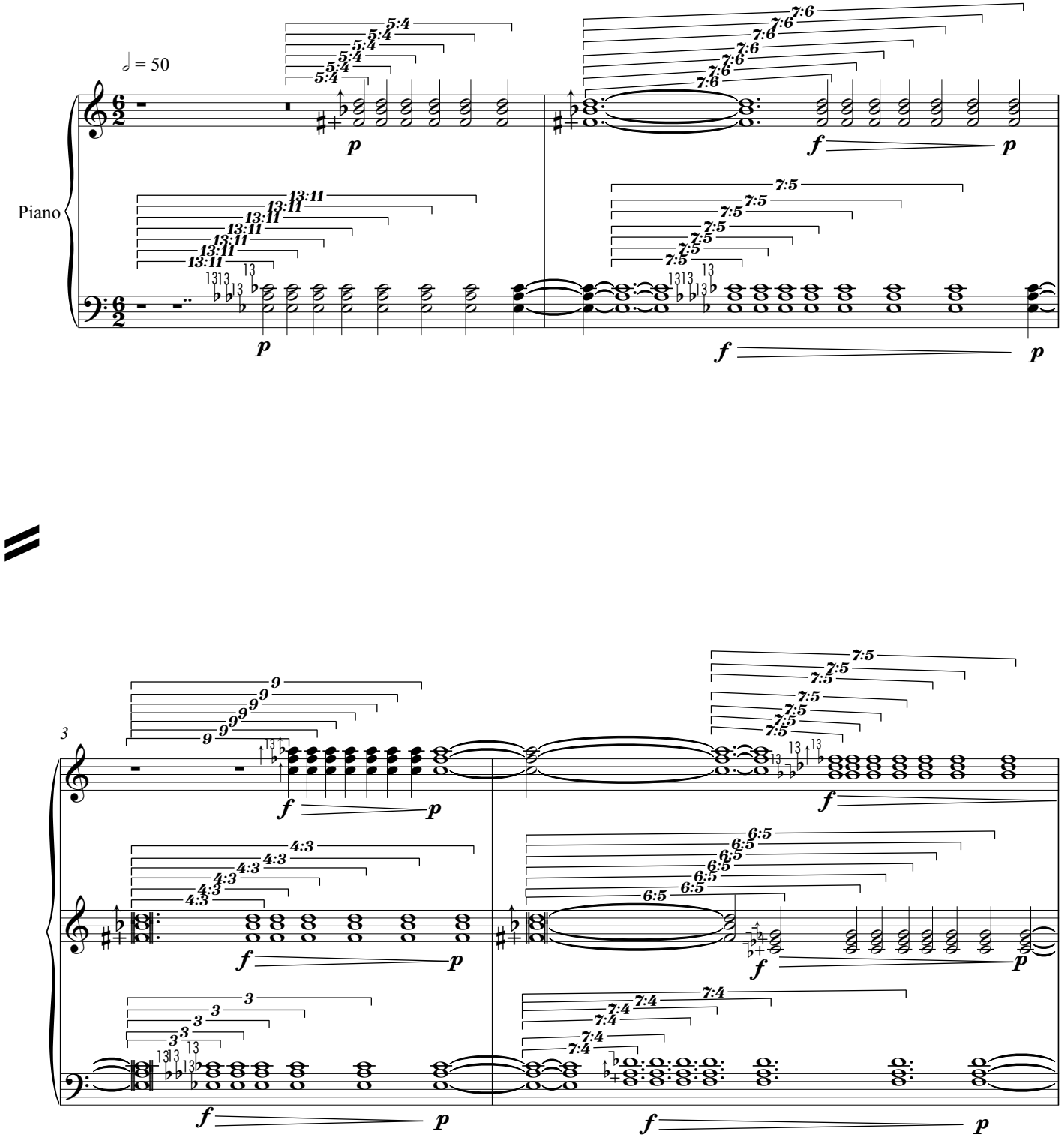

169
172
♩ = 72
9:5
pp
176
11:10
178
13:10



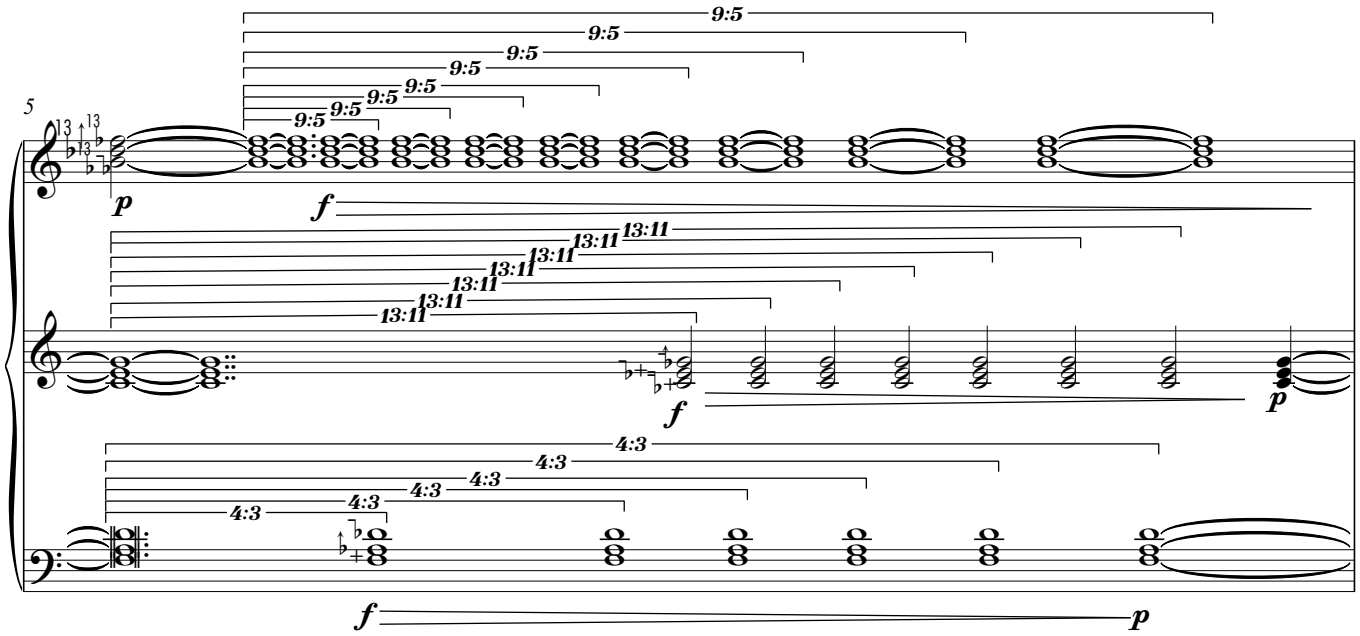
July - September 27, 2020
from a Dec, 2016 sketch
Germantown, NY

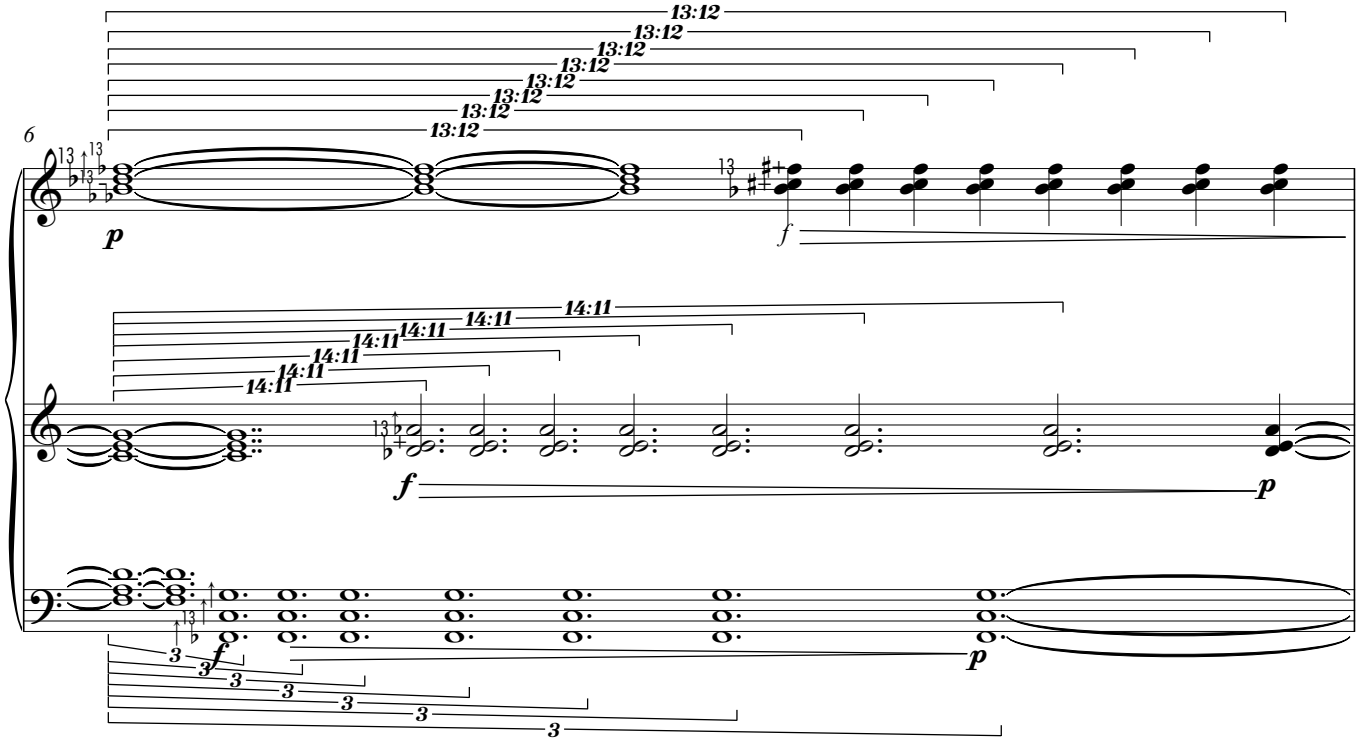
Liquid Mechanisms

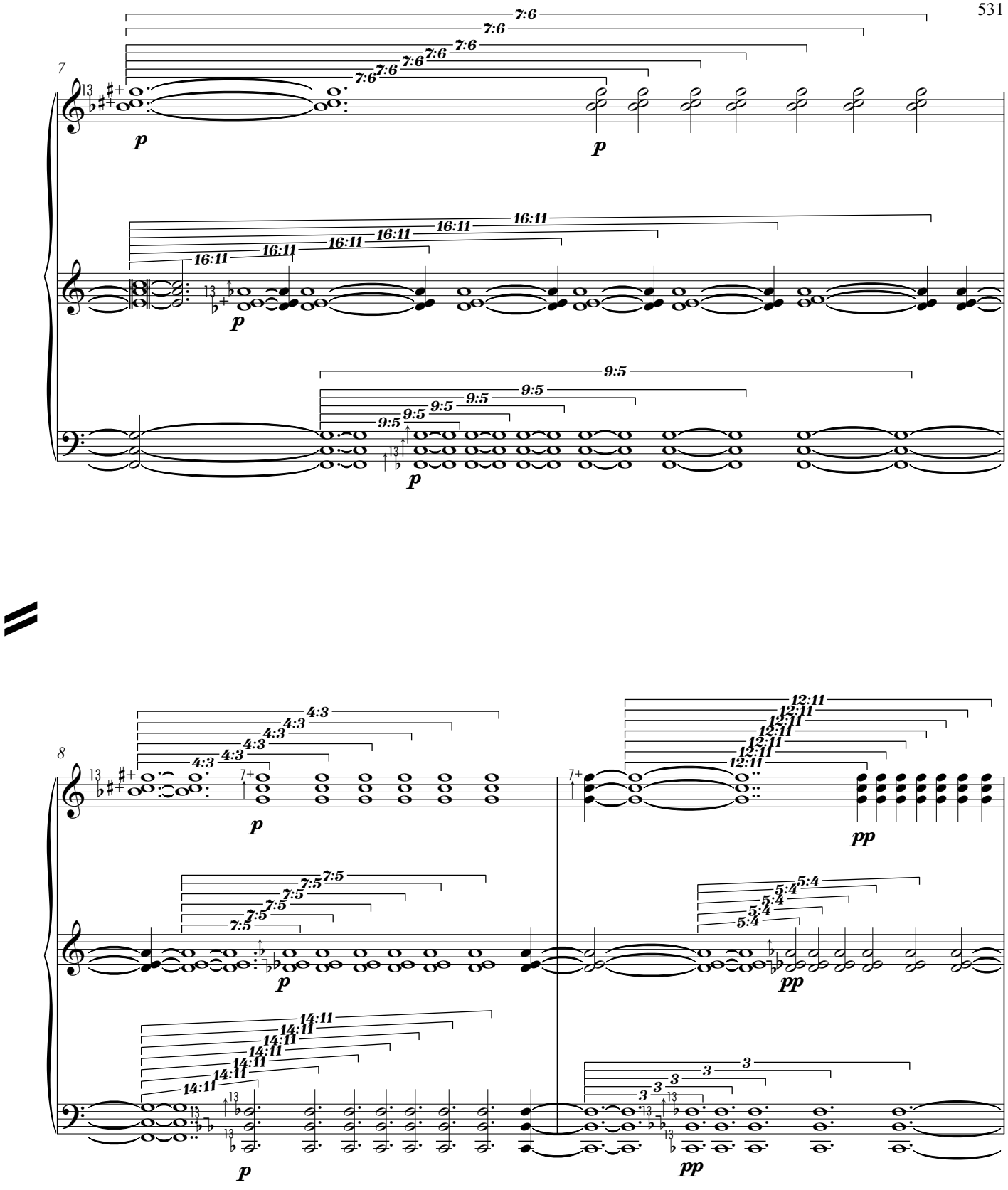
Kyle Gann
2016

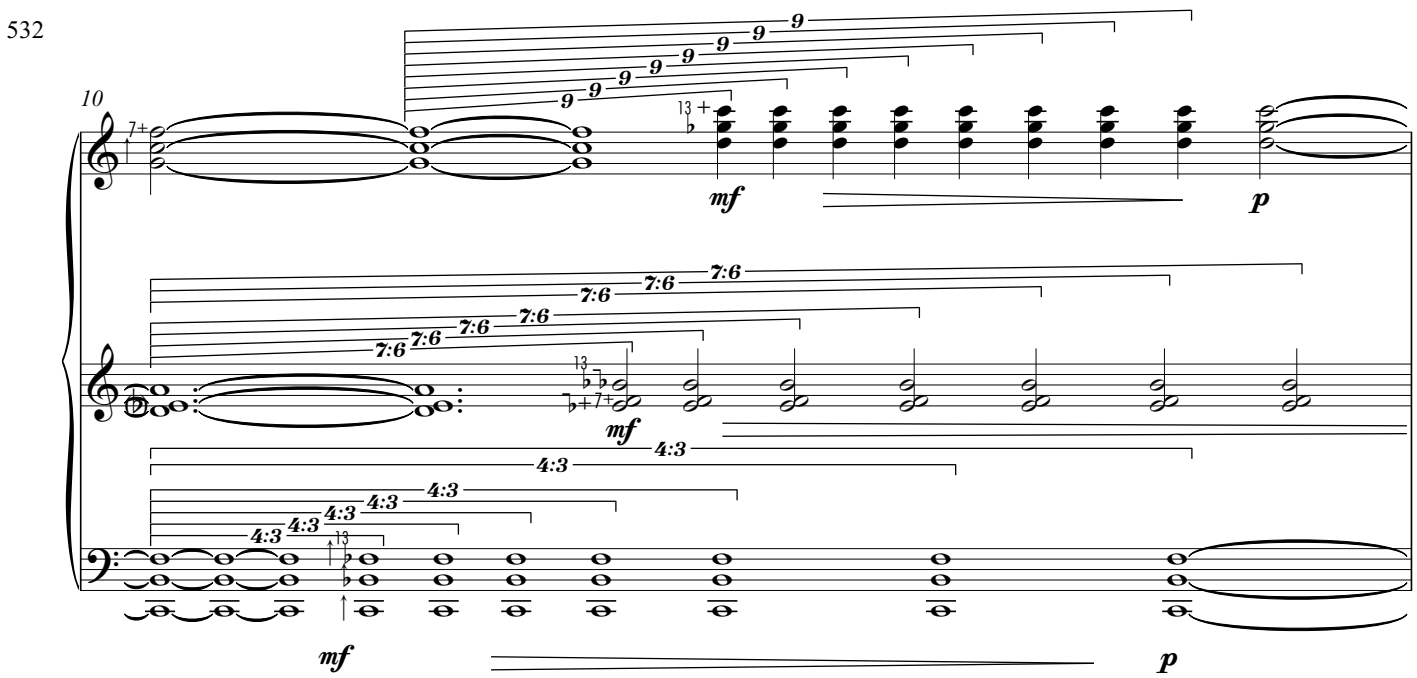


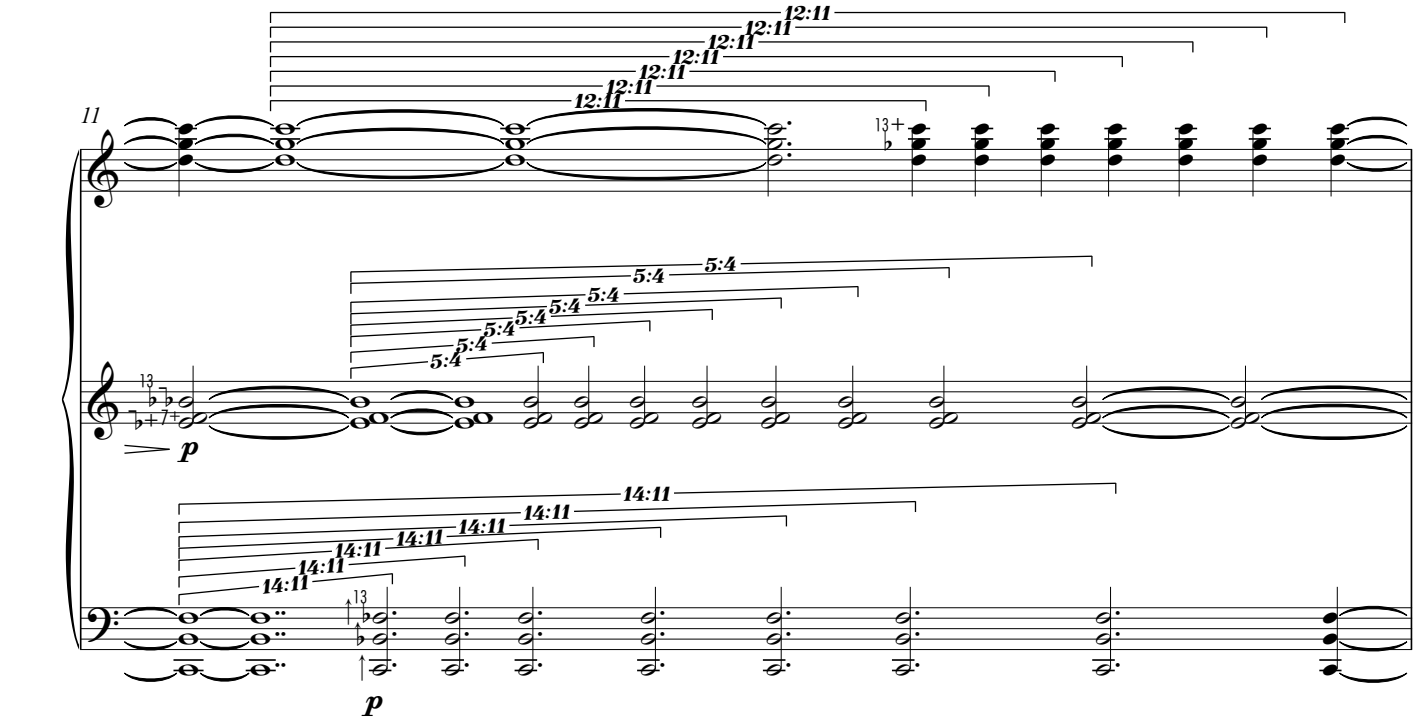
© Copyright 2016 by Smith Grabholz Music

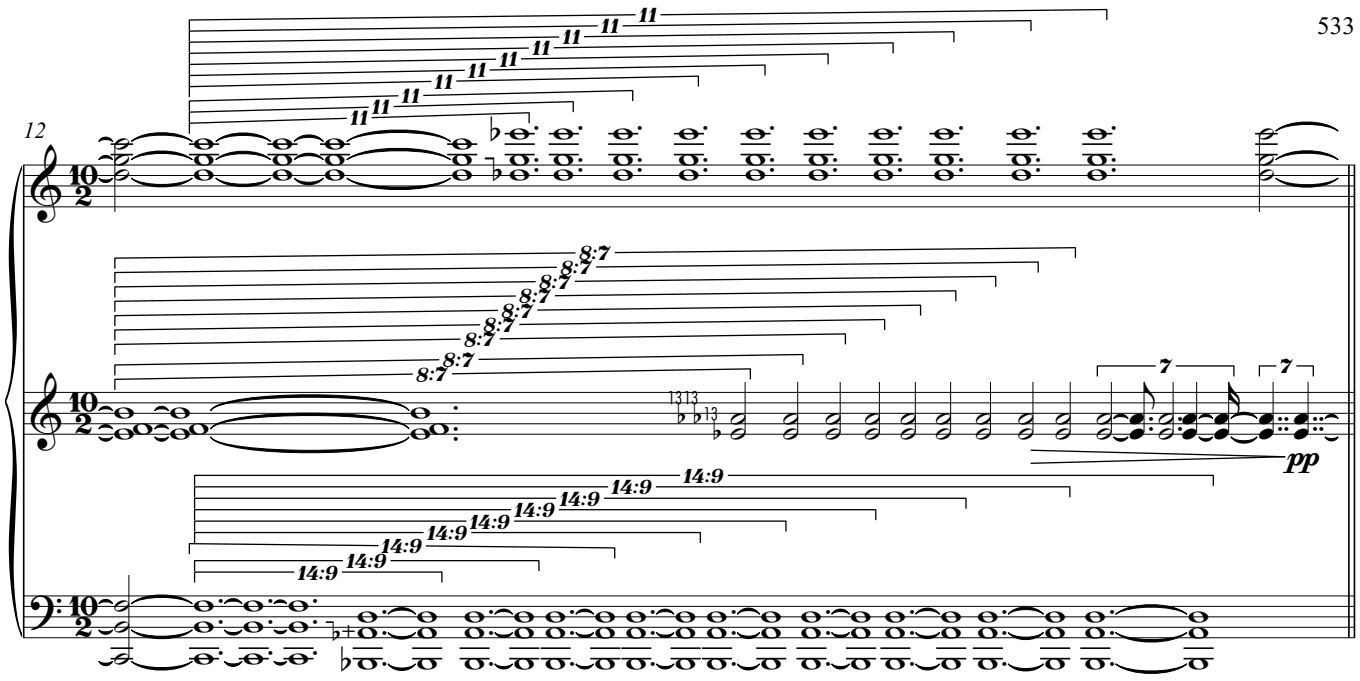

5
9:5
13:11
4:3
p
f

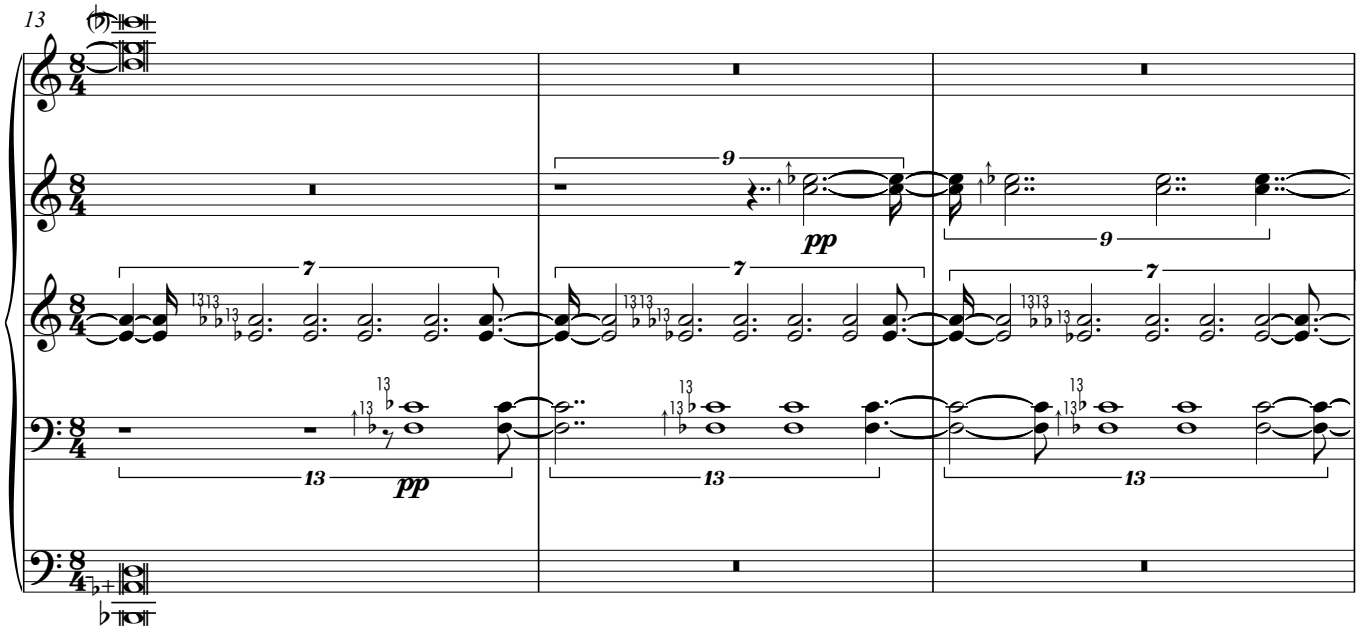

6
13:12
14:11
3
p
f
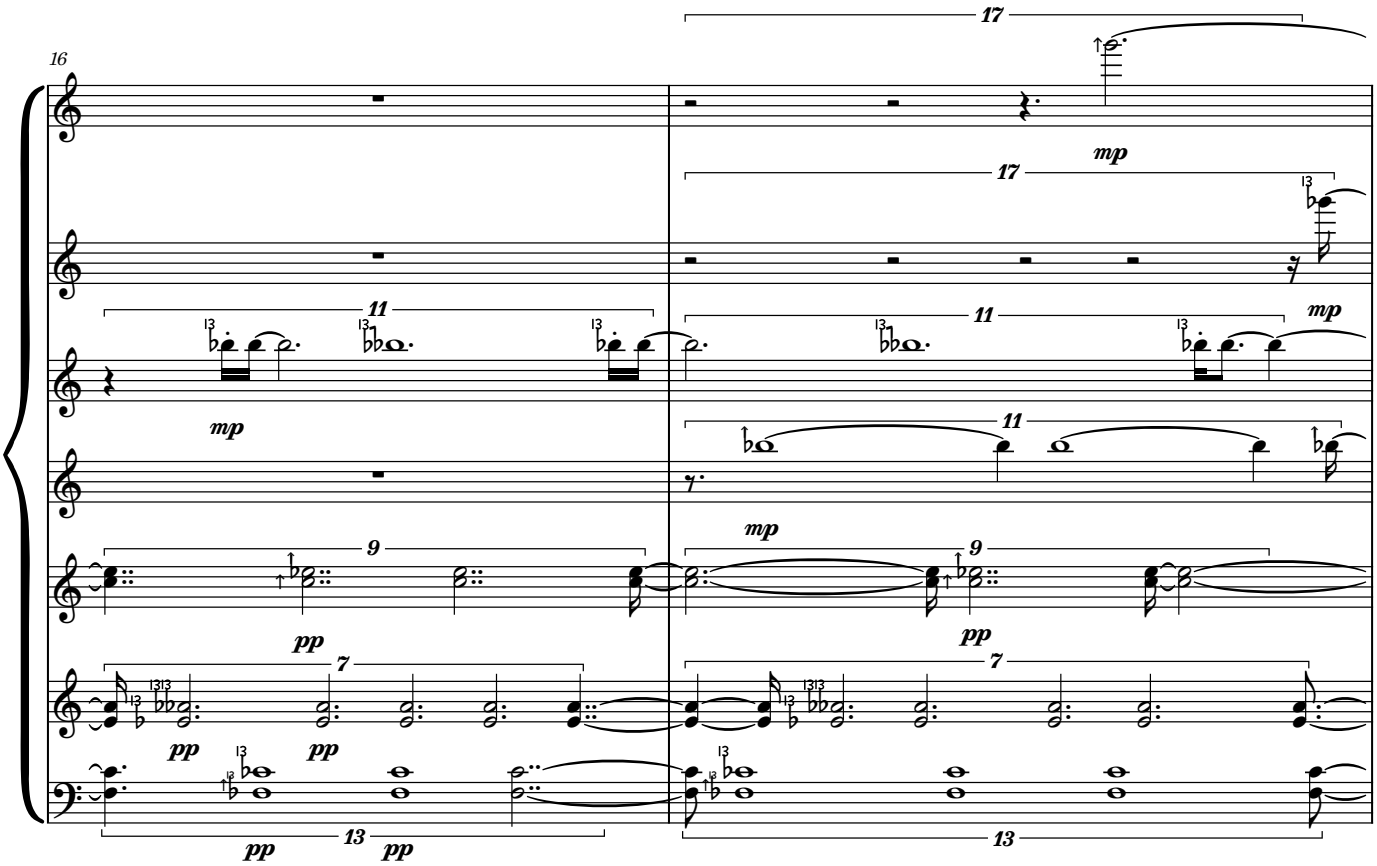

7
8
p
pp

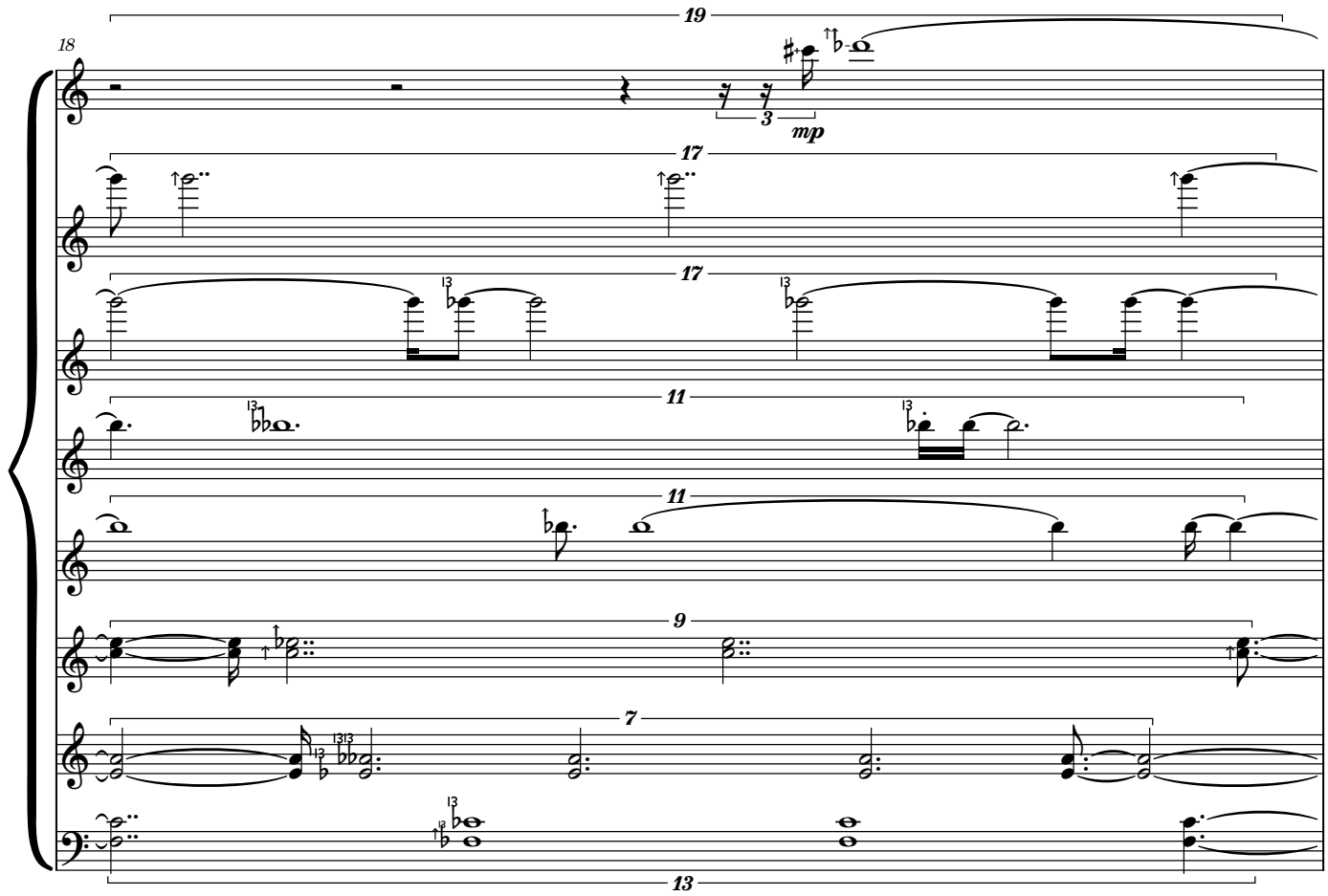

10
9
7:6
4:3
mf
p

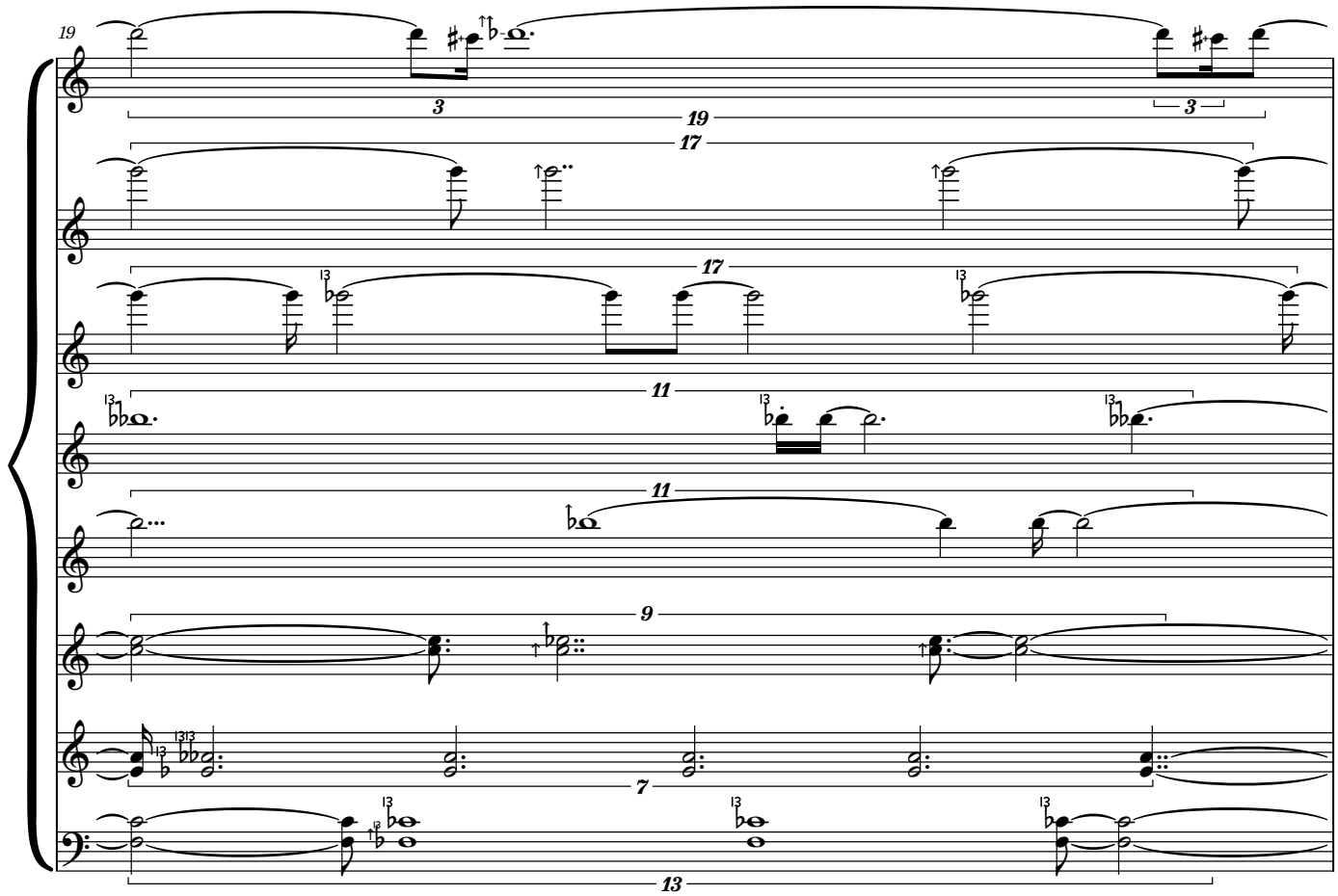

11
12:11
5:4
14:11
p

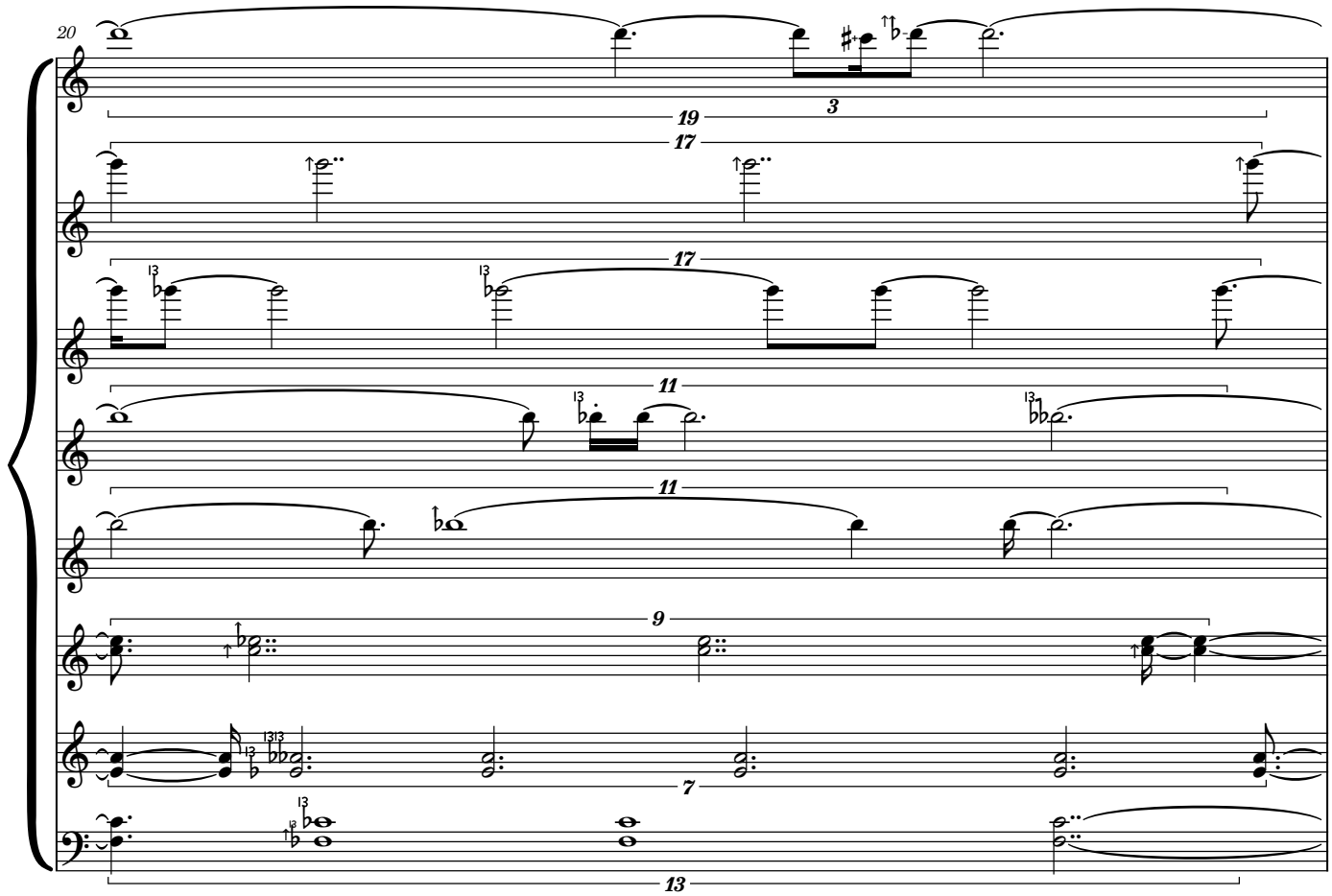

12
11
8:7
7
pp
14:9

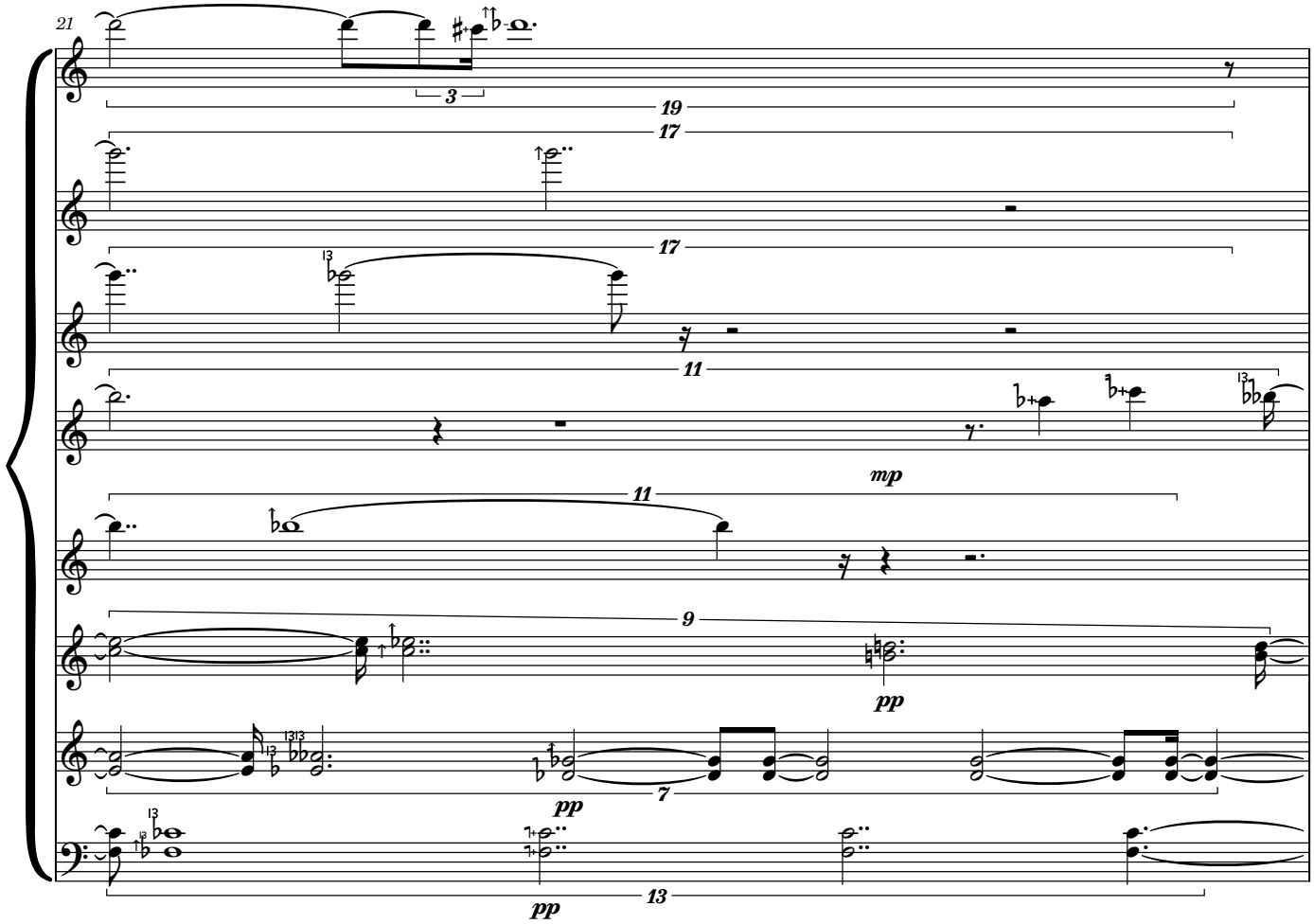

13
9
pp
7
13
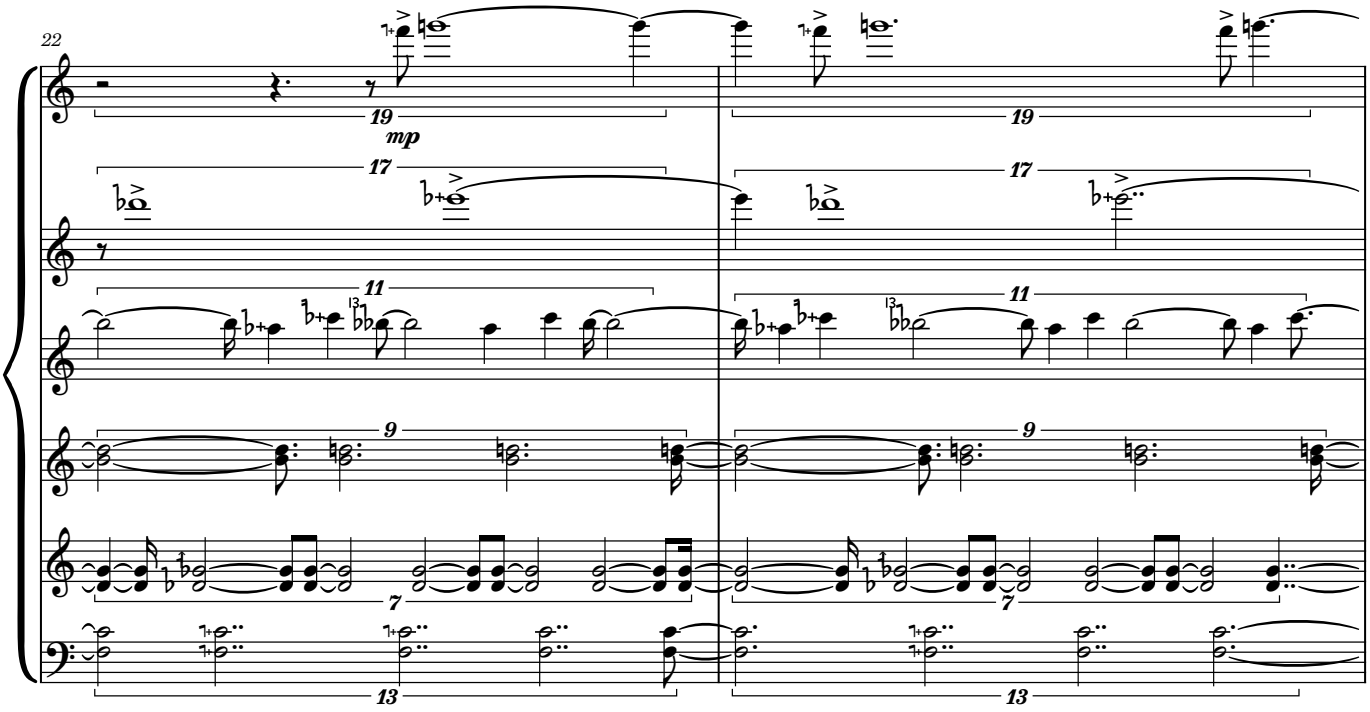

16
17
mp
17
11
mp
mp
11
11
9
mp
pp
9
pp
7
7
pp
pp
pp
13
pp
13
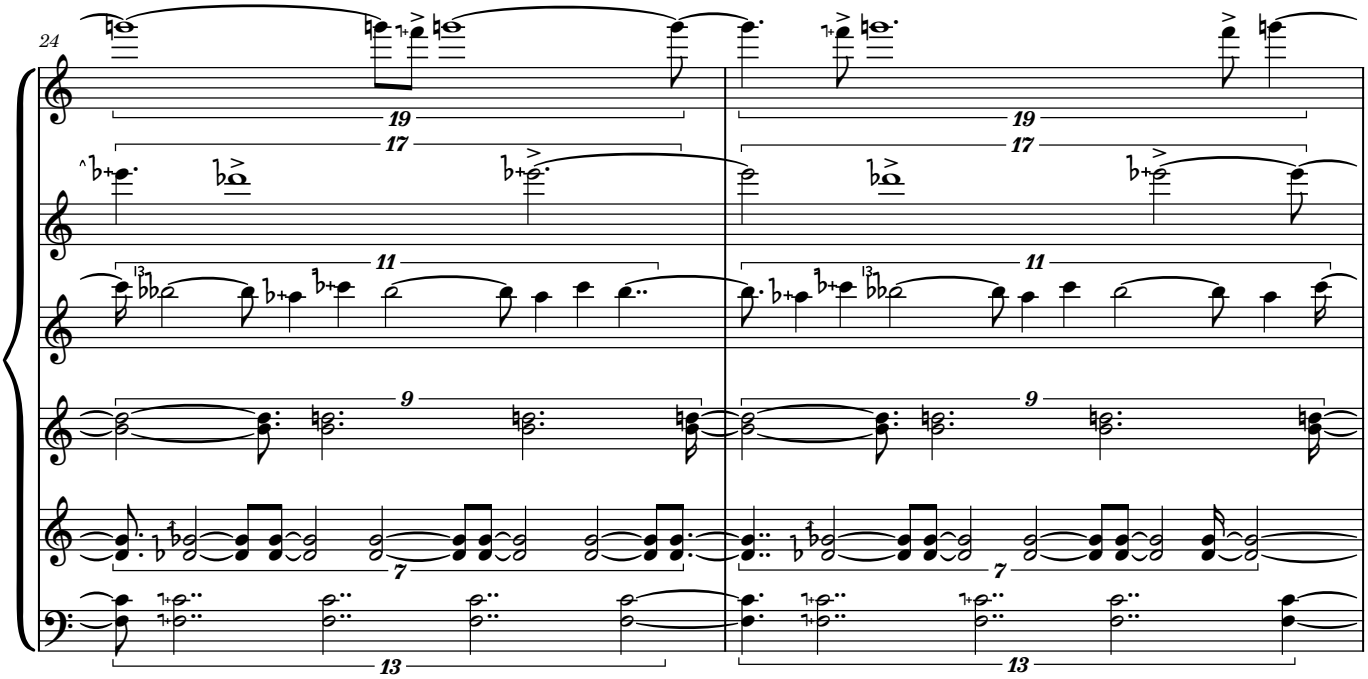

18
19
3
mp
17
17
11
11
9
7
13

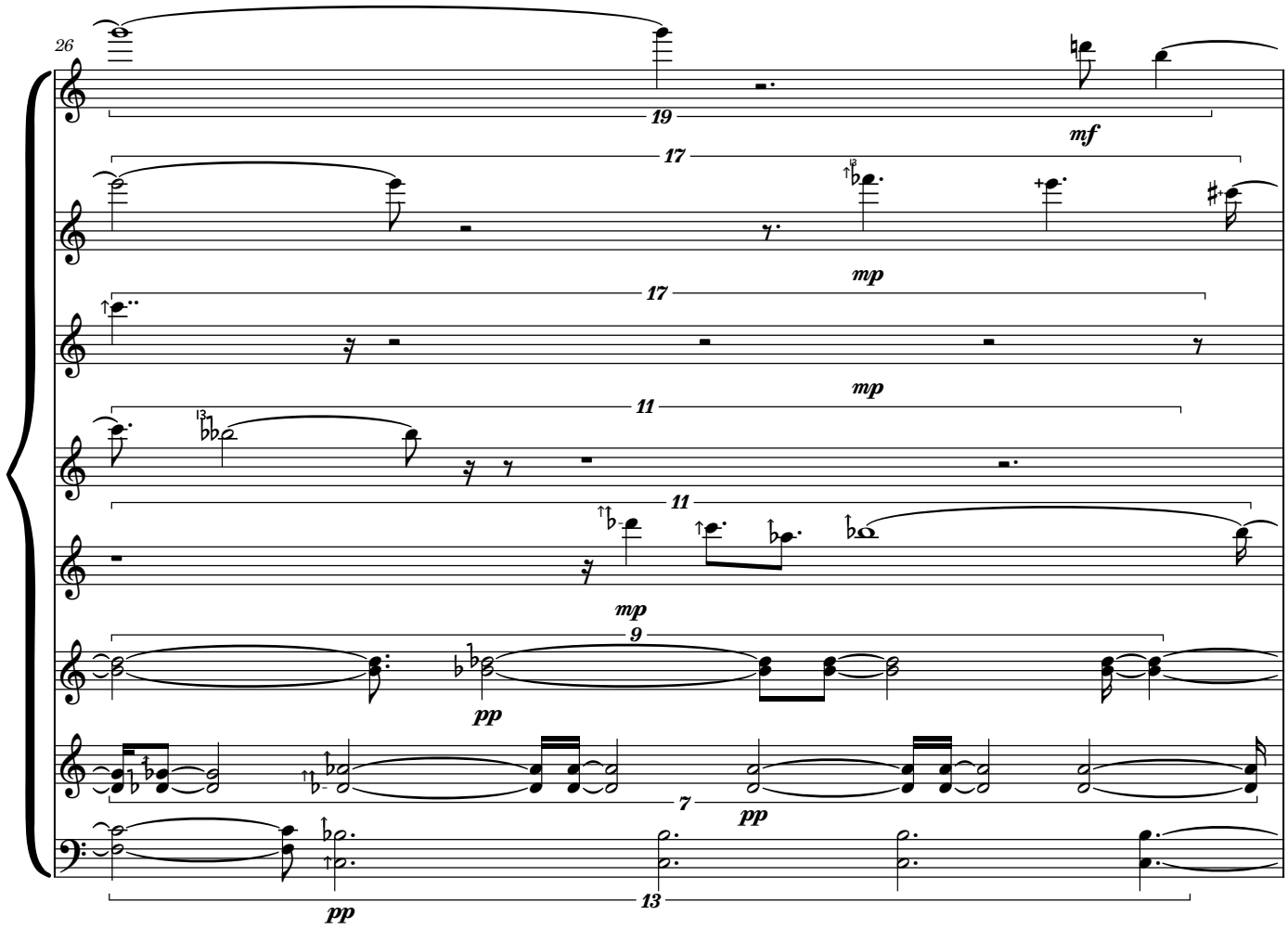

19
3
19
3
17
17
11
11
9
7
13

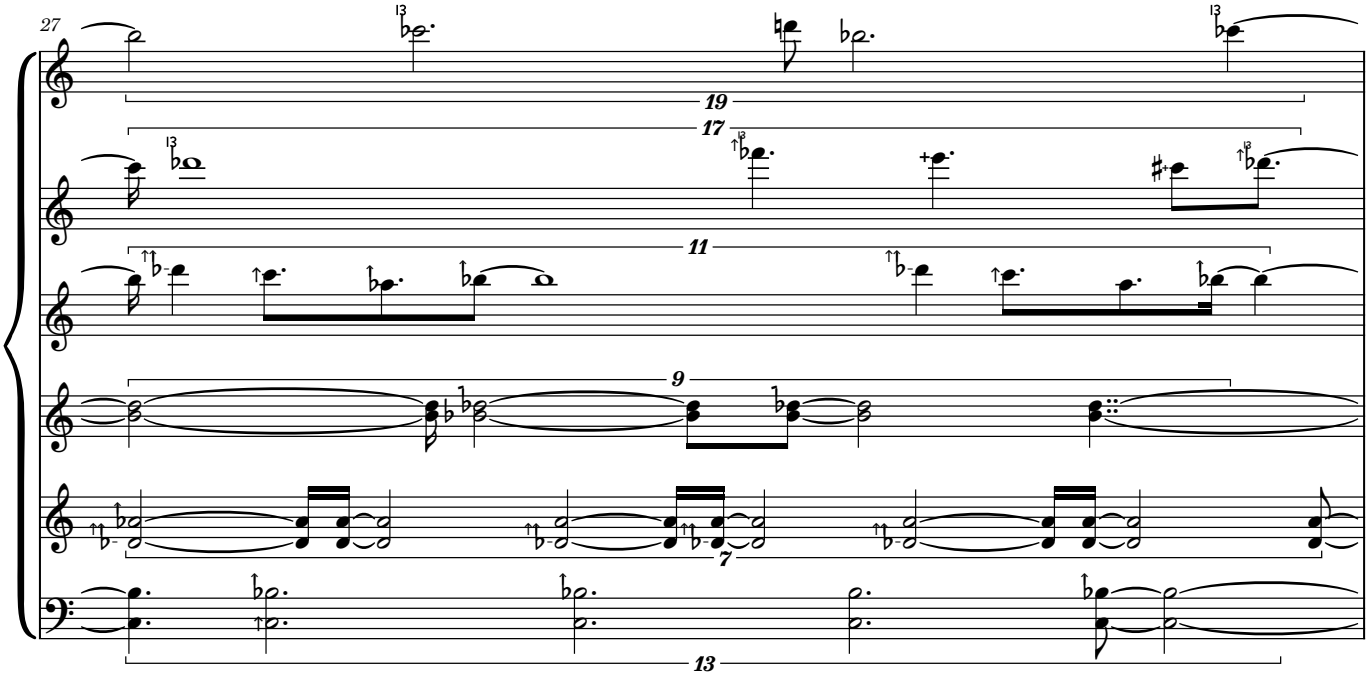

20
19
3
17
17
11
11
9
7
13

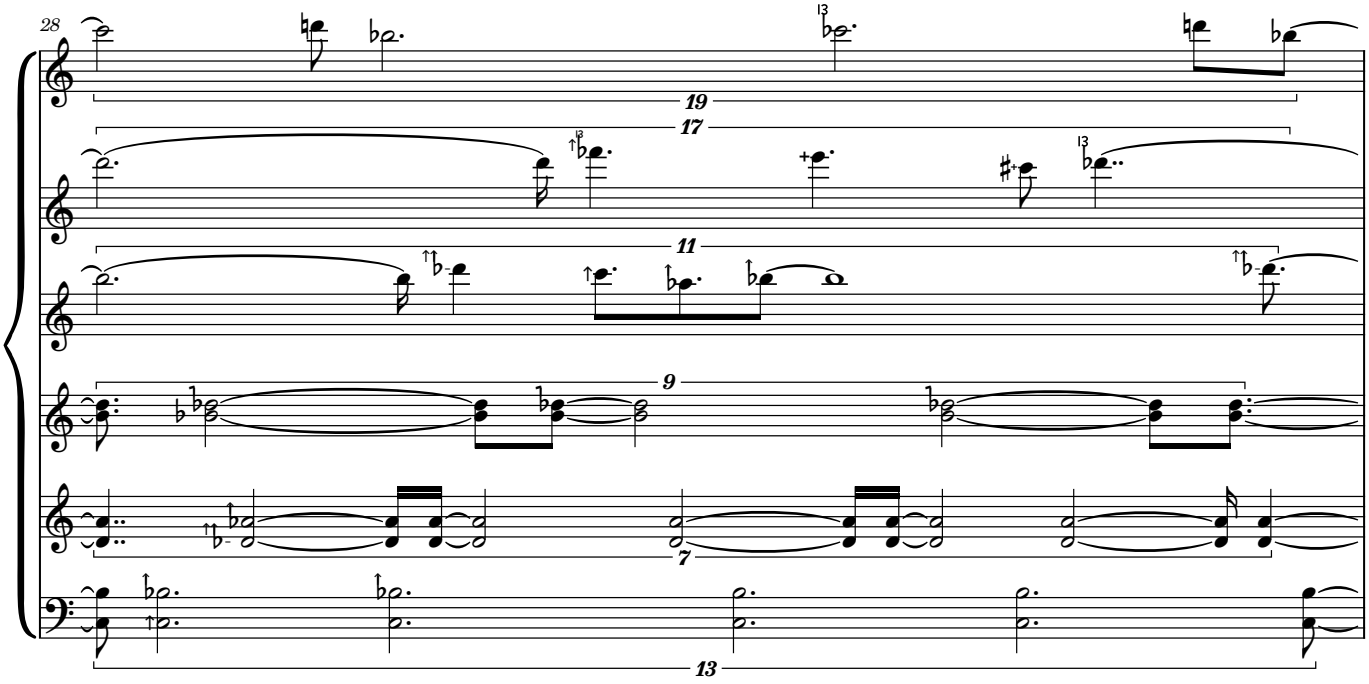

21
3
19
17
17
11
mp
11
9
pp
pp
7
pp
13

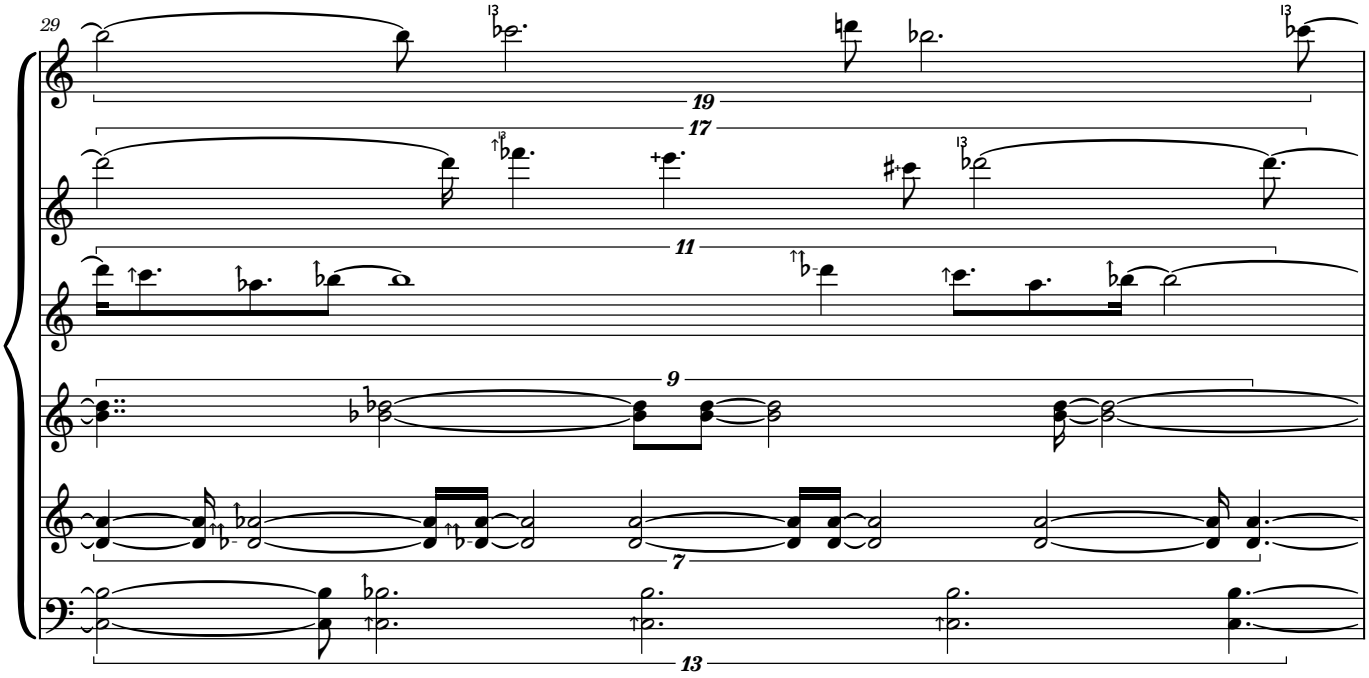

22
mp
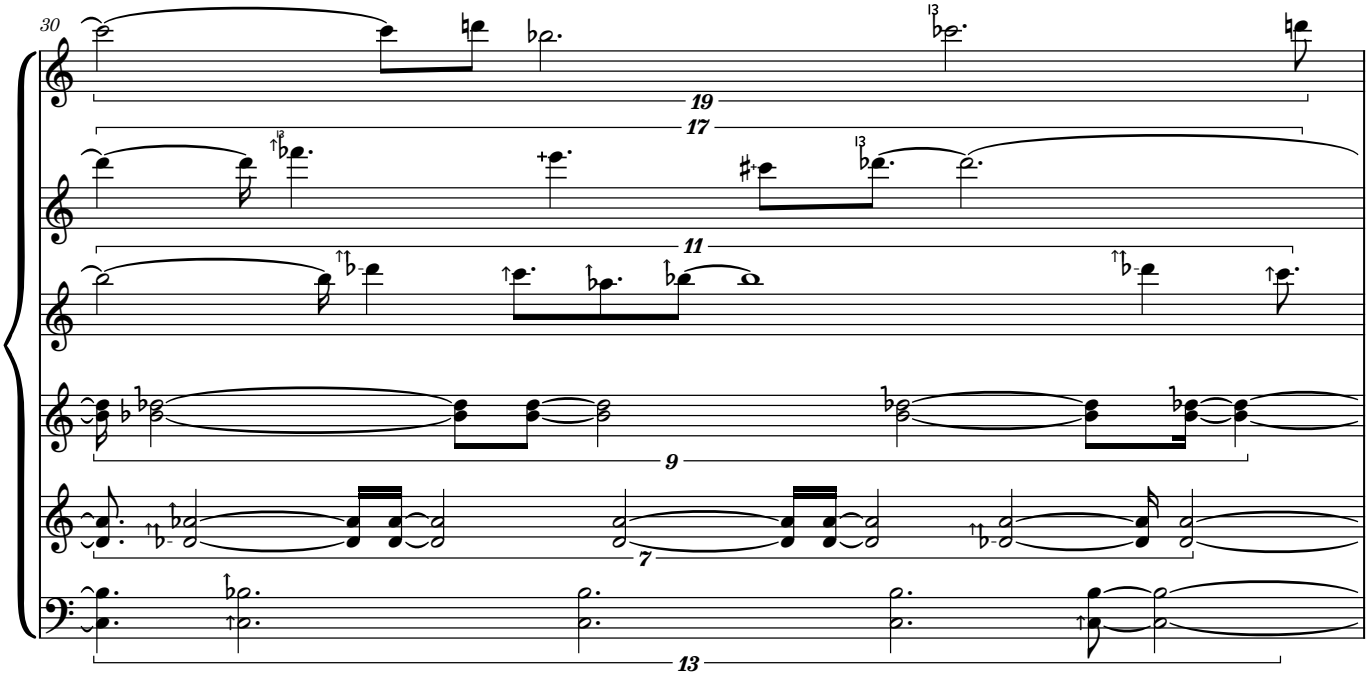

24
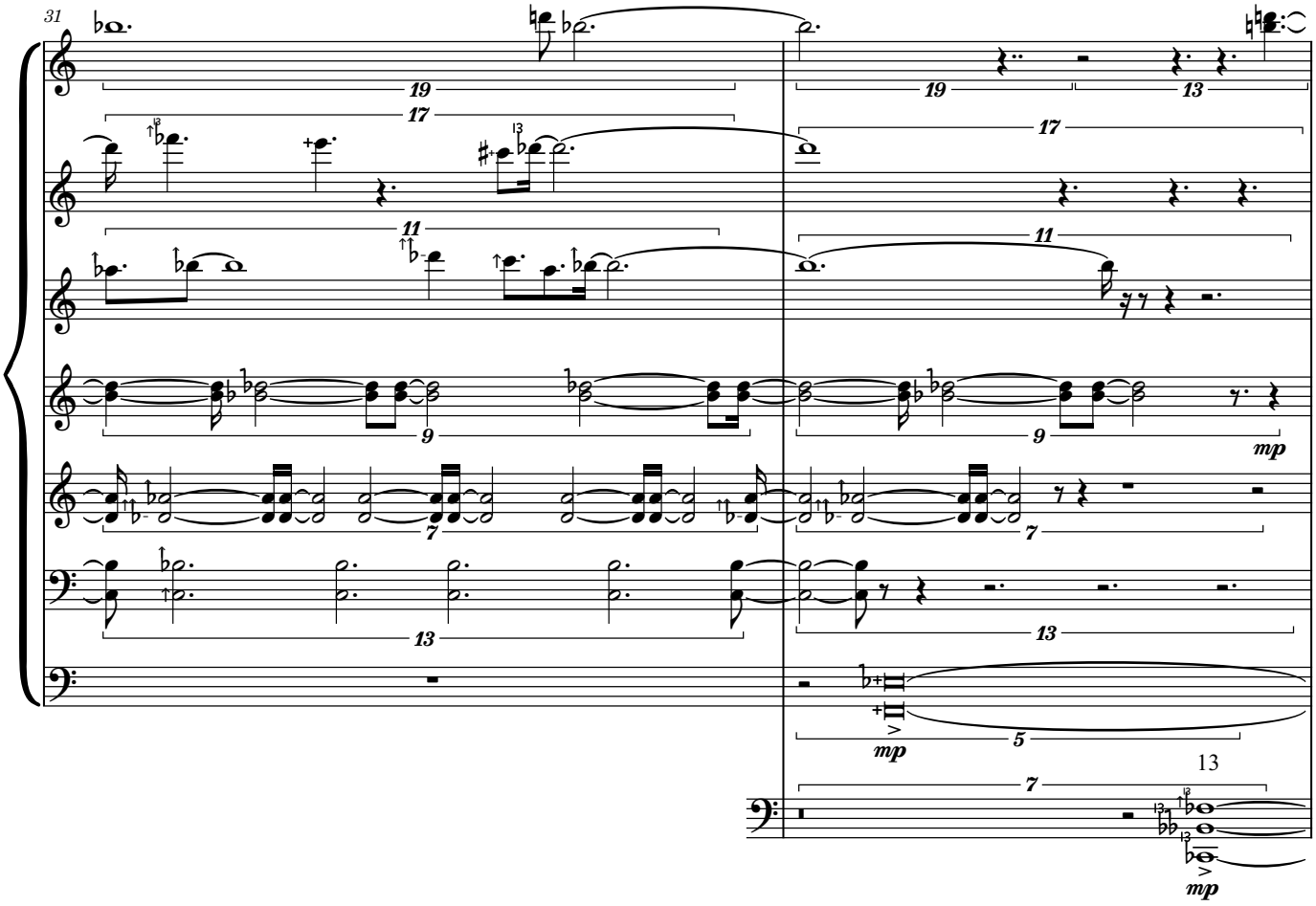

26
19
mf
17
mp
17
mp
11
11
mp
9
pp
7
pp
pp
13
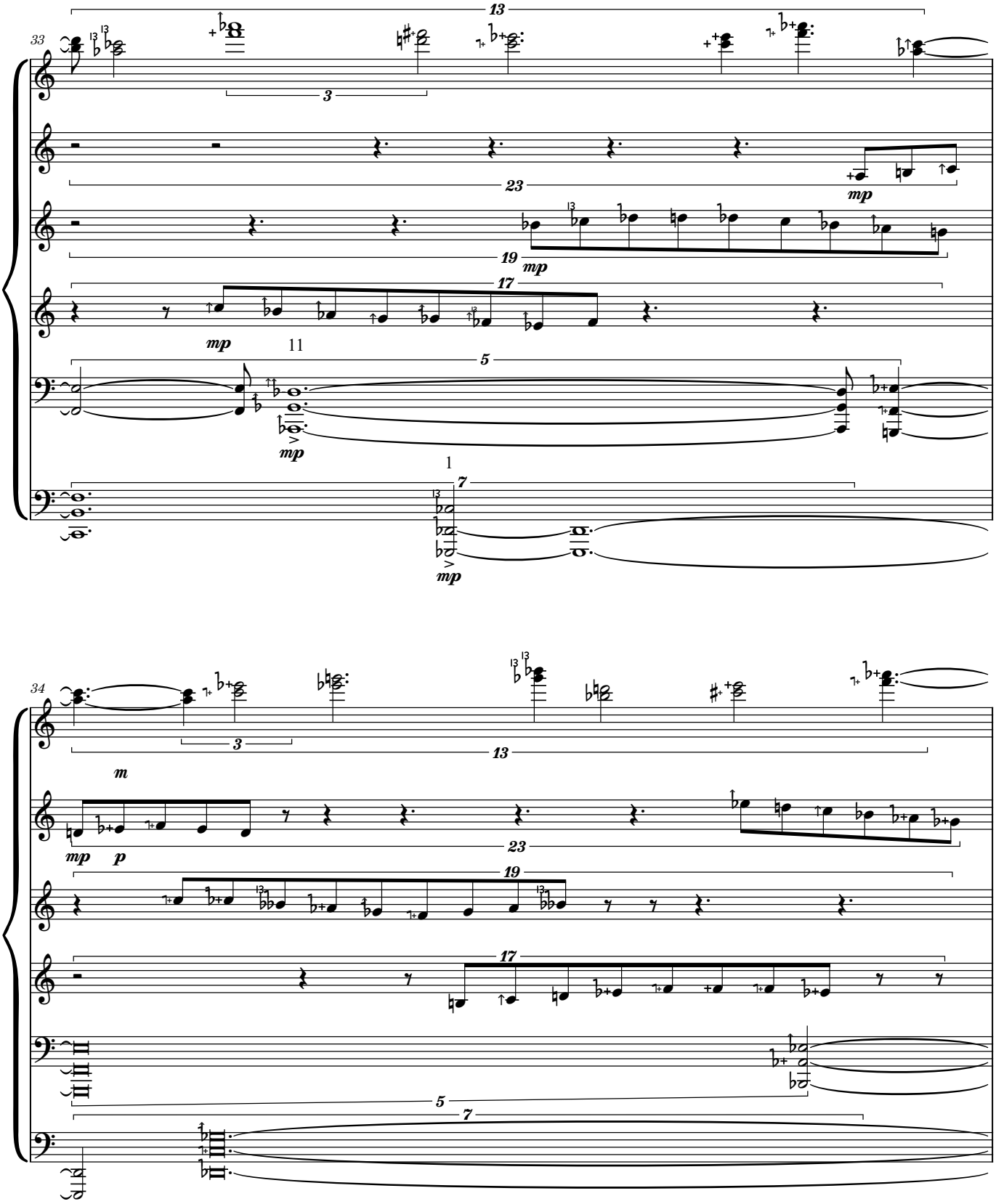

27
19
17
11
9
7
13

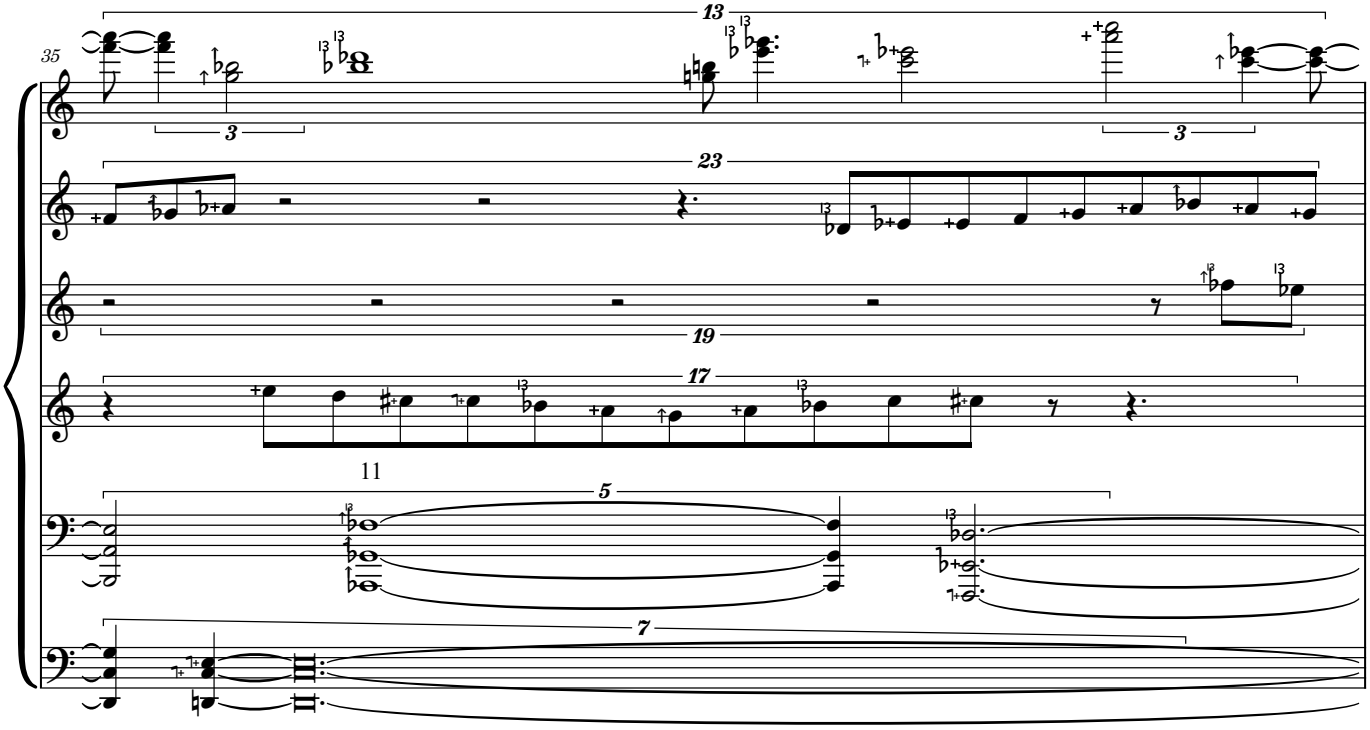

28
19
17
11
9
7
13

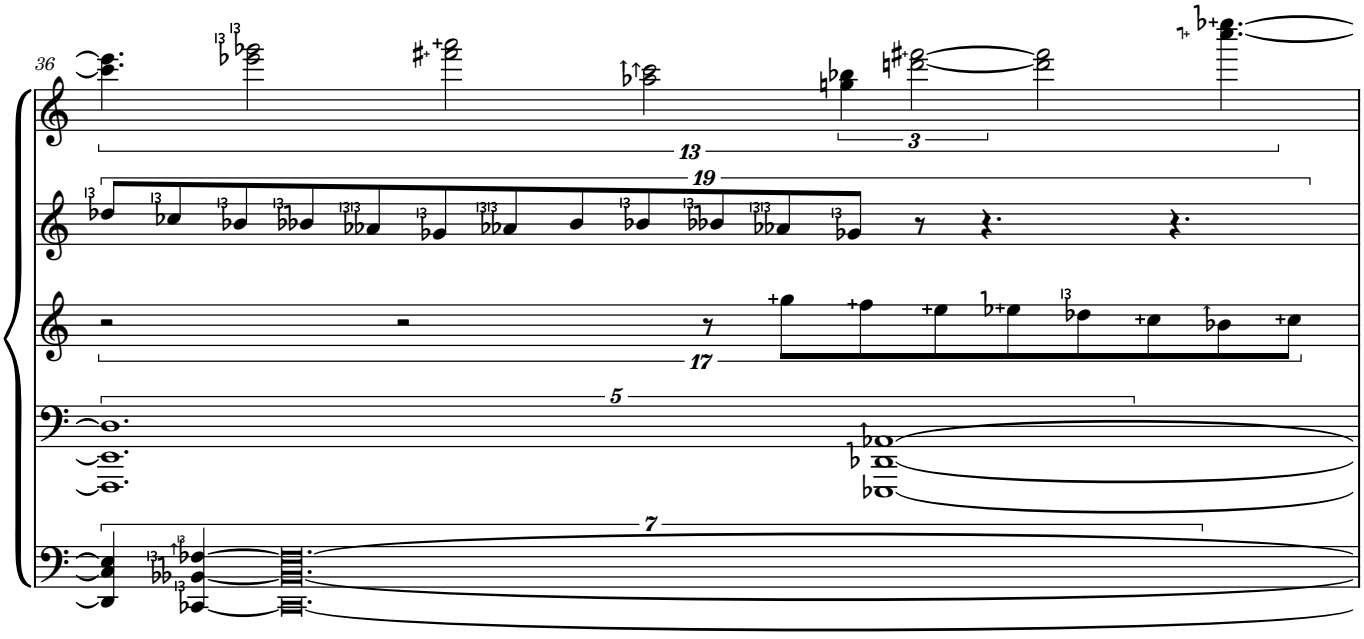

29
19
17
11
9
7
13

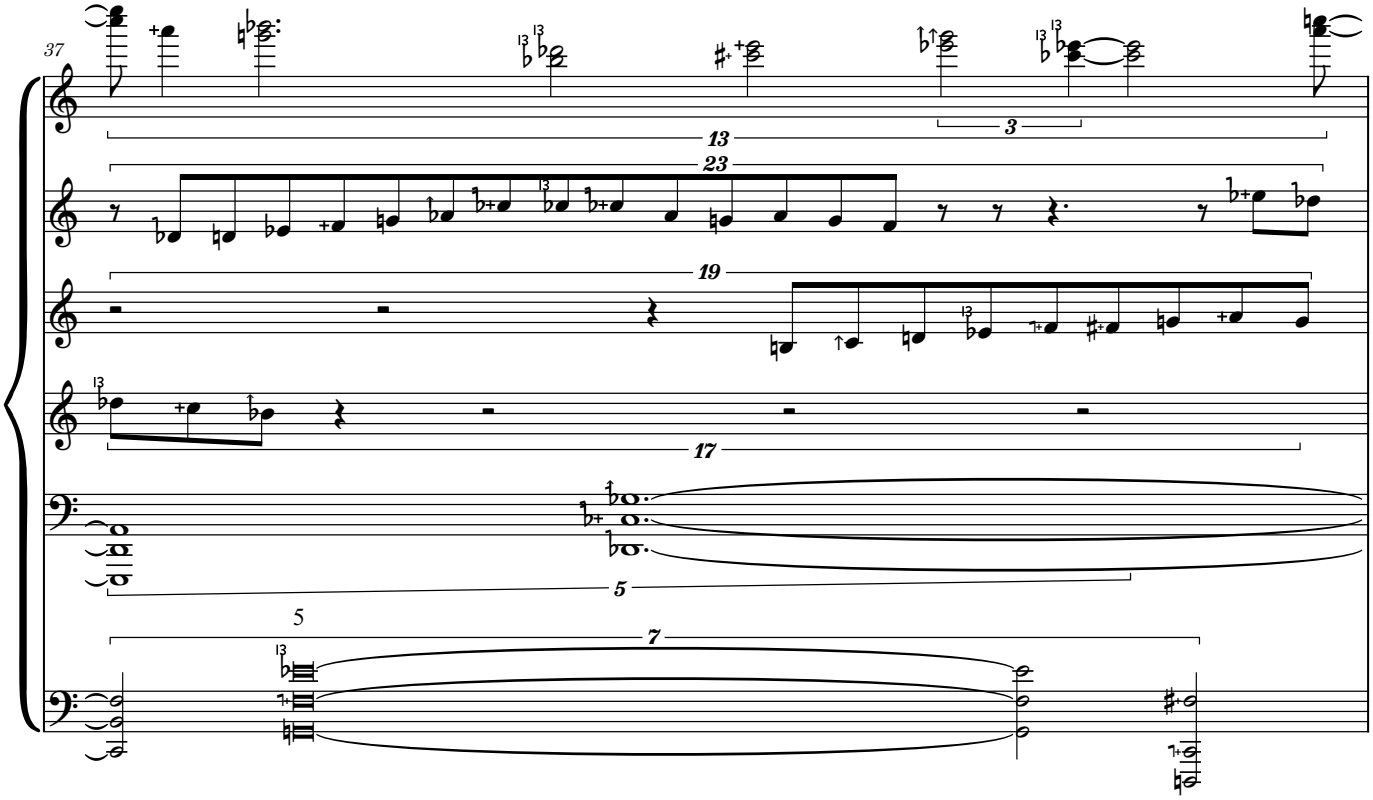

30
19
17
11
9
7
13

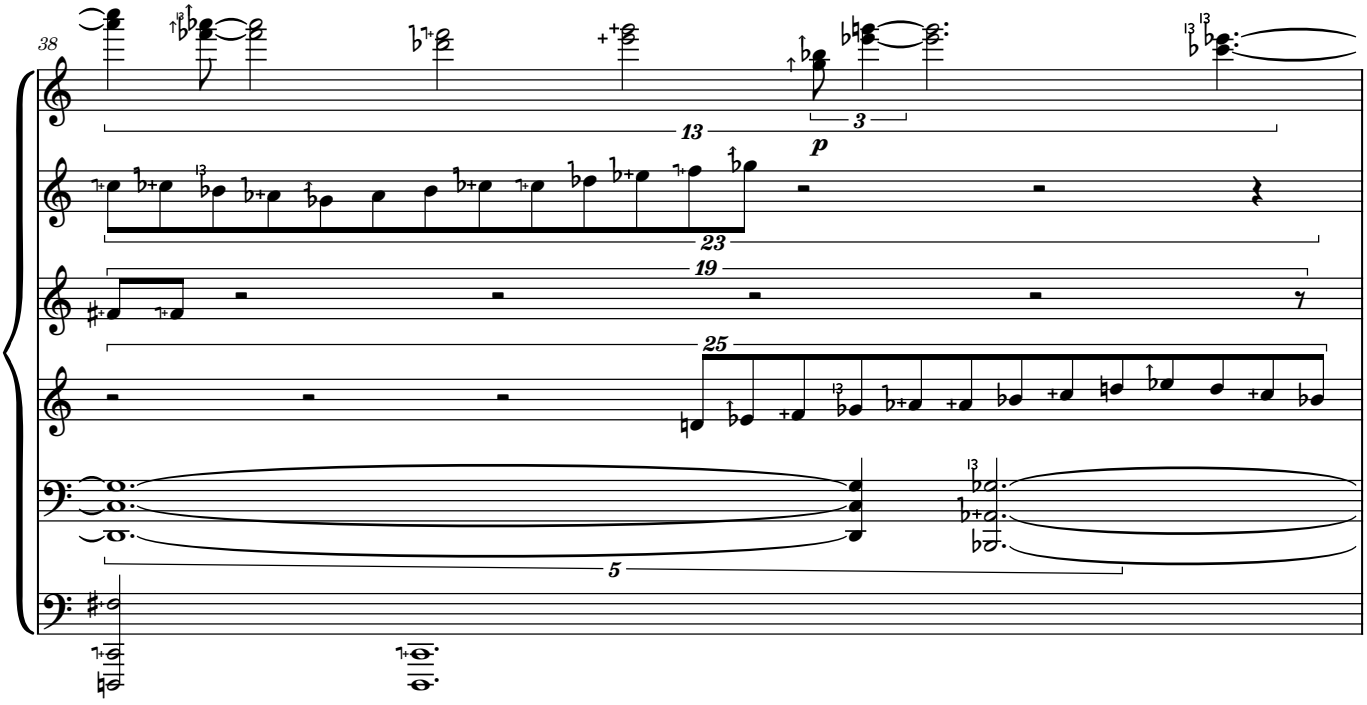

31
19
17
11
9
7
13
5
mp
13

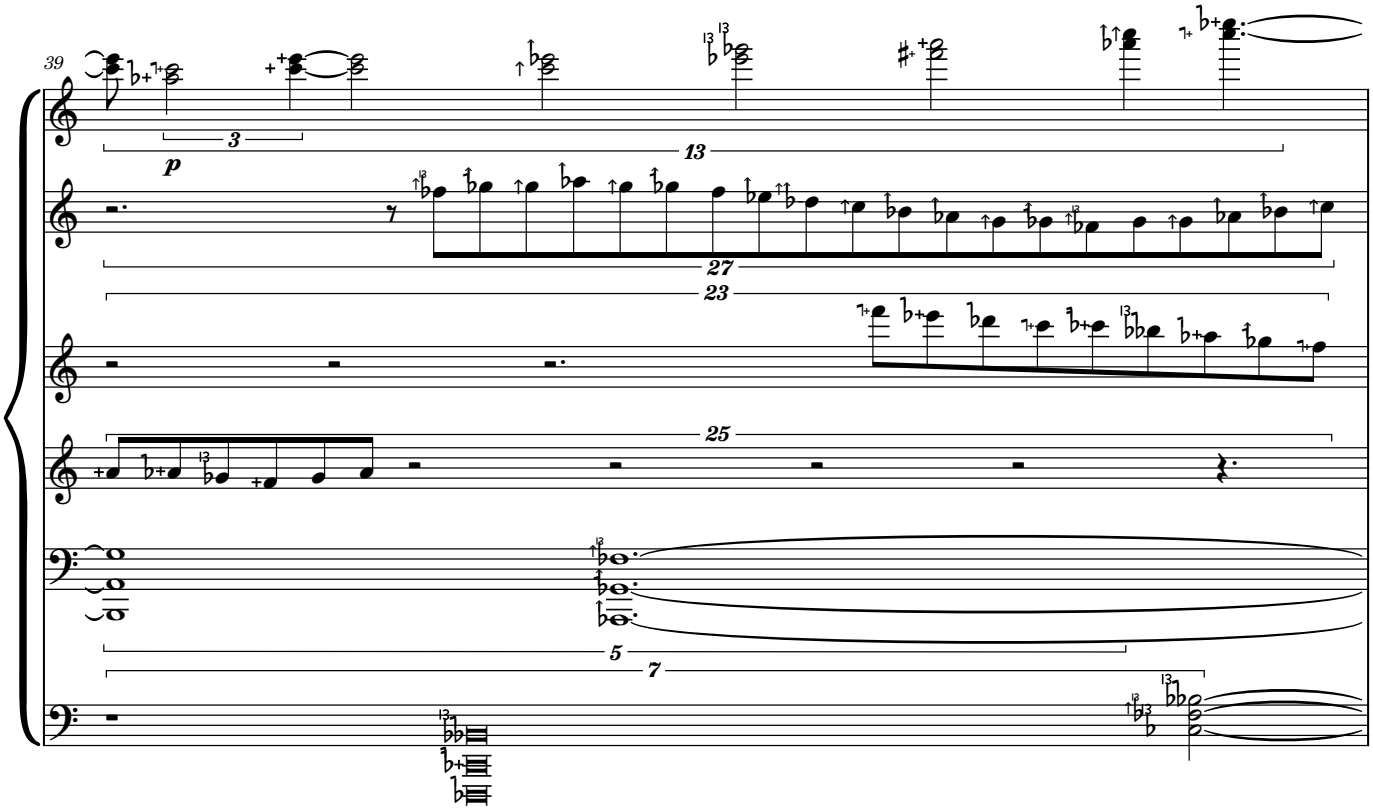

33
13
3
23
mp
19
mp
17
mp
11
5
mp
1
7
mp
34
13
3
m
mp
p
23
19
17
5
7

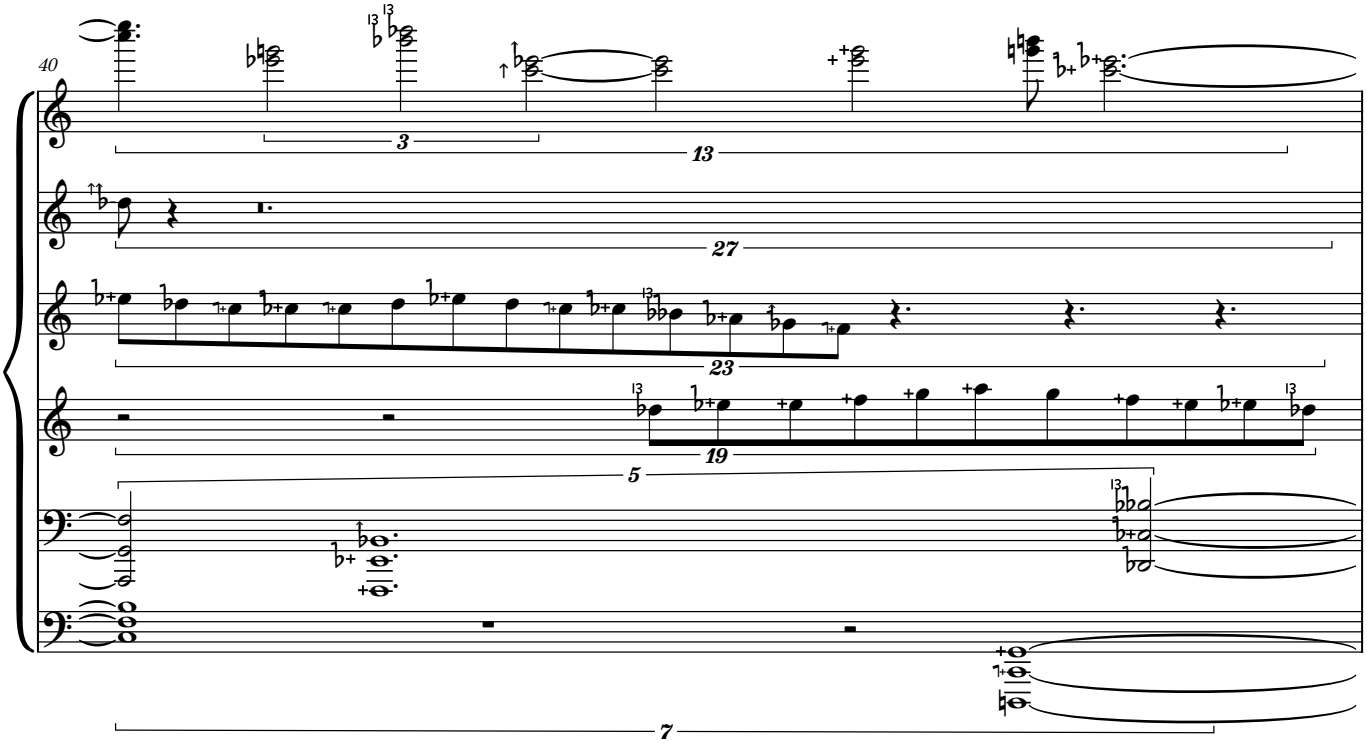

35
13
3
3
23
19
17
11
5
7
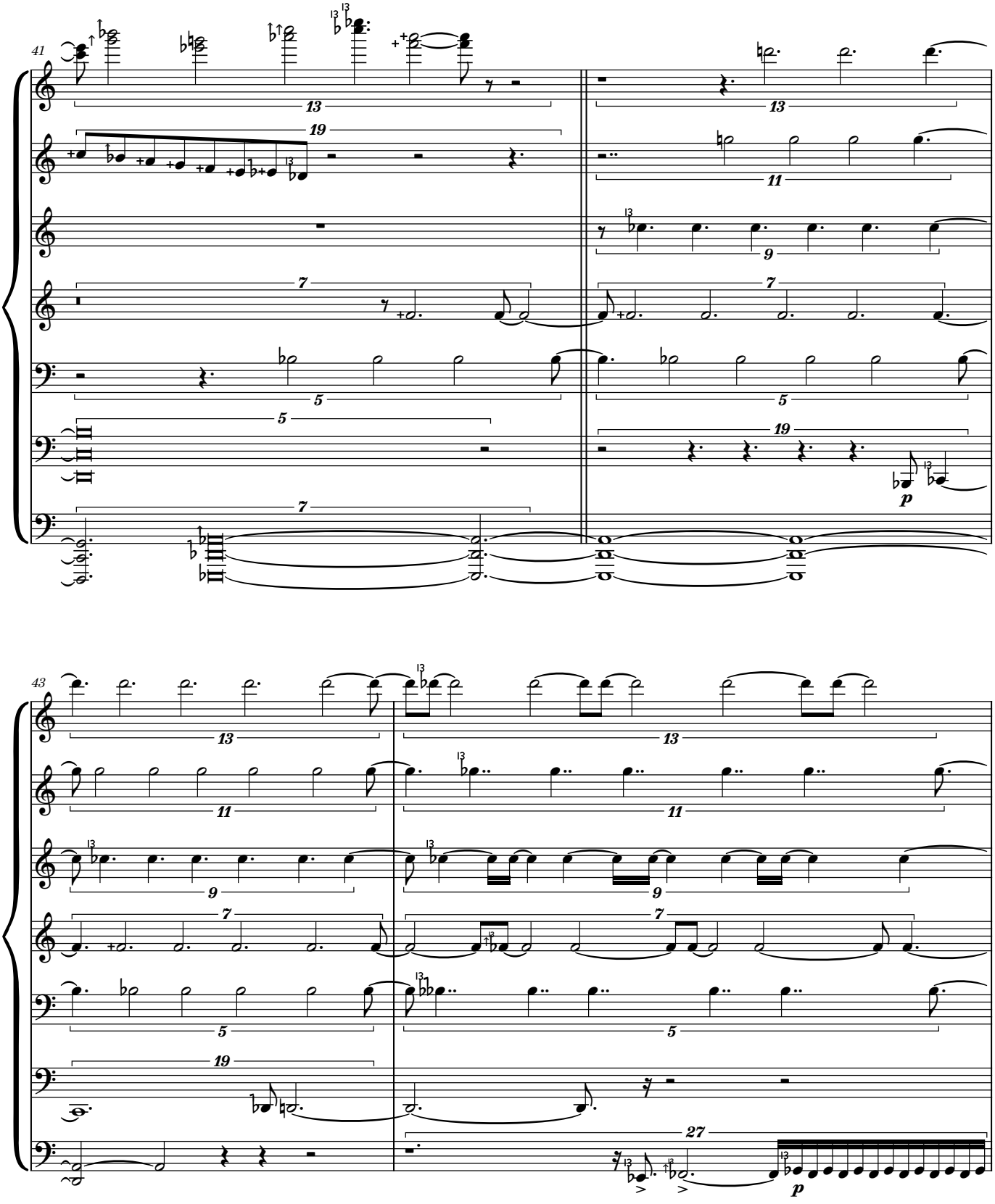

36
13
3
19
17
5
7

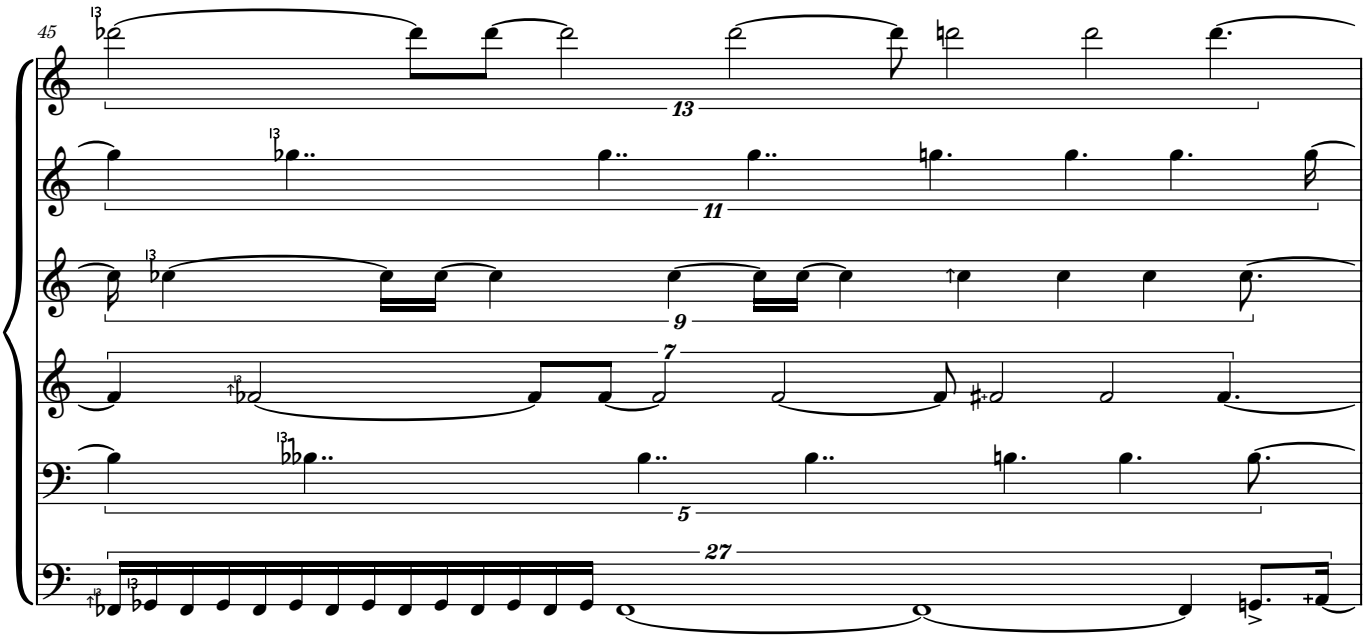

37
13
23
19
17
5
5
7
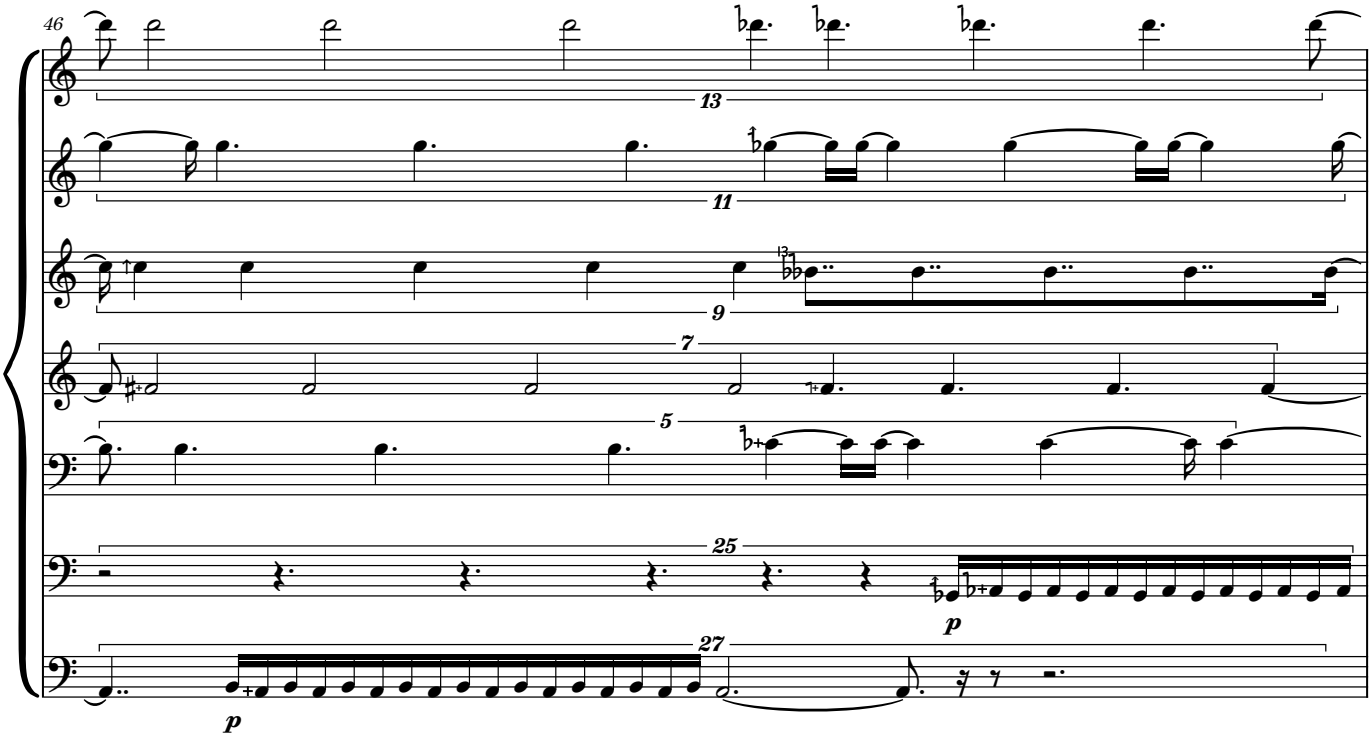

38
13
3
p
23
19
25
5
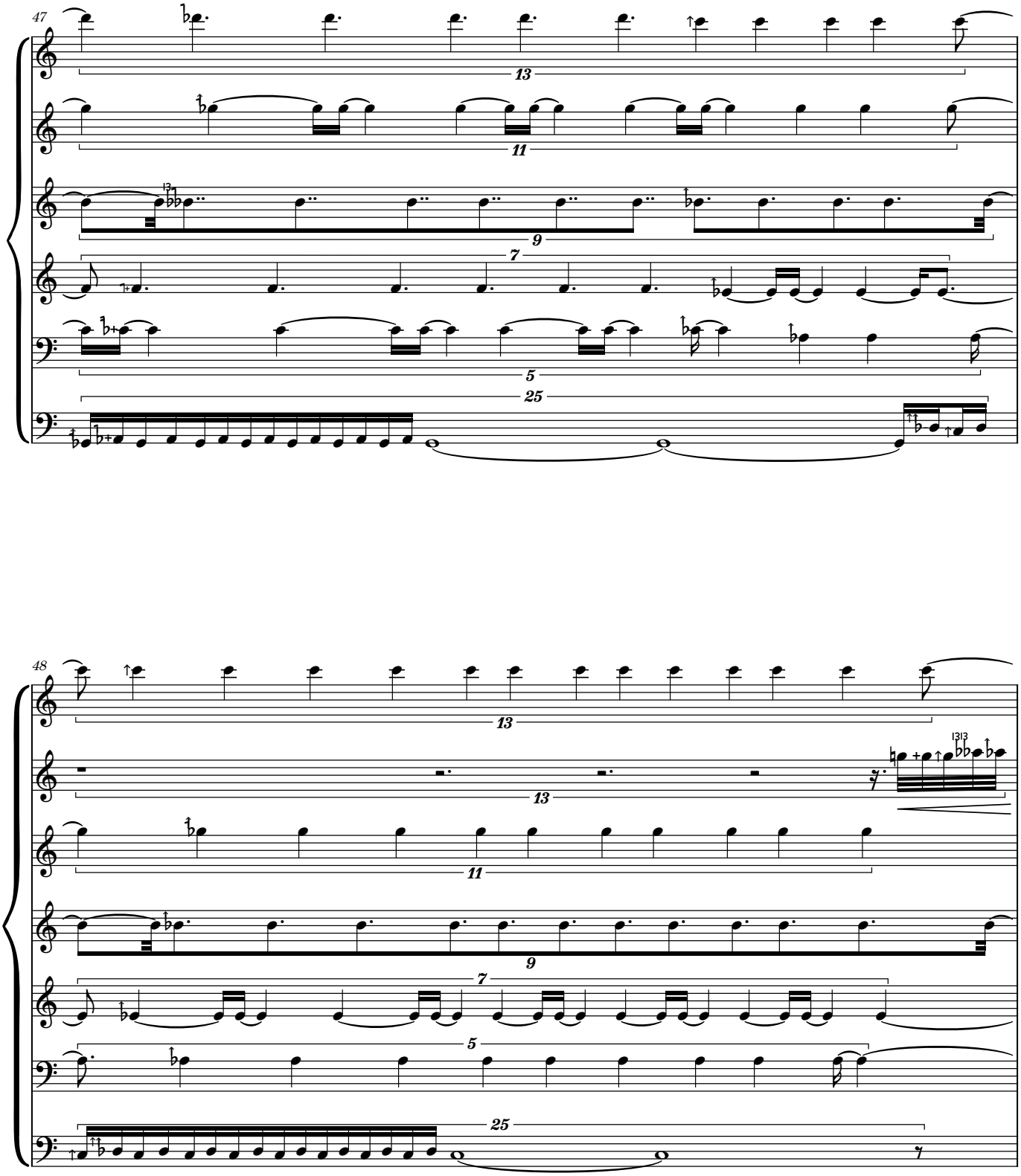

39
p
3
13
27
23
25
5
7
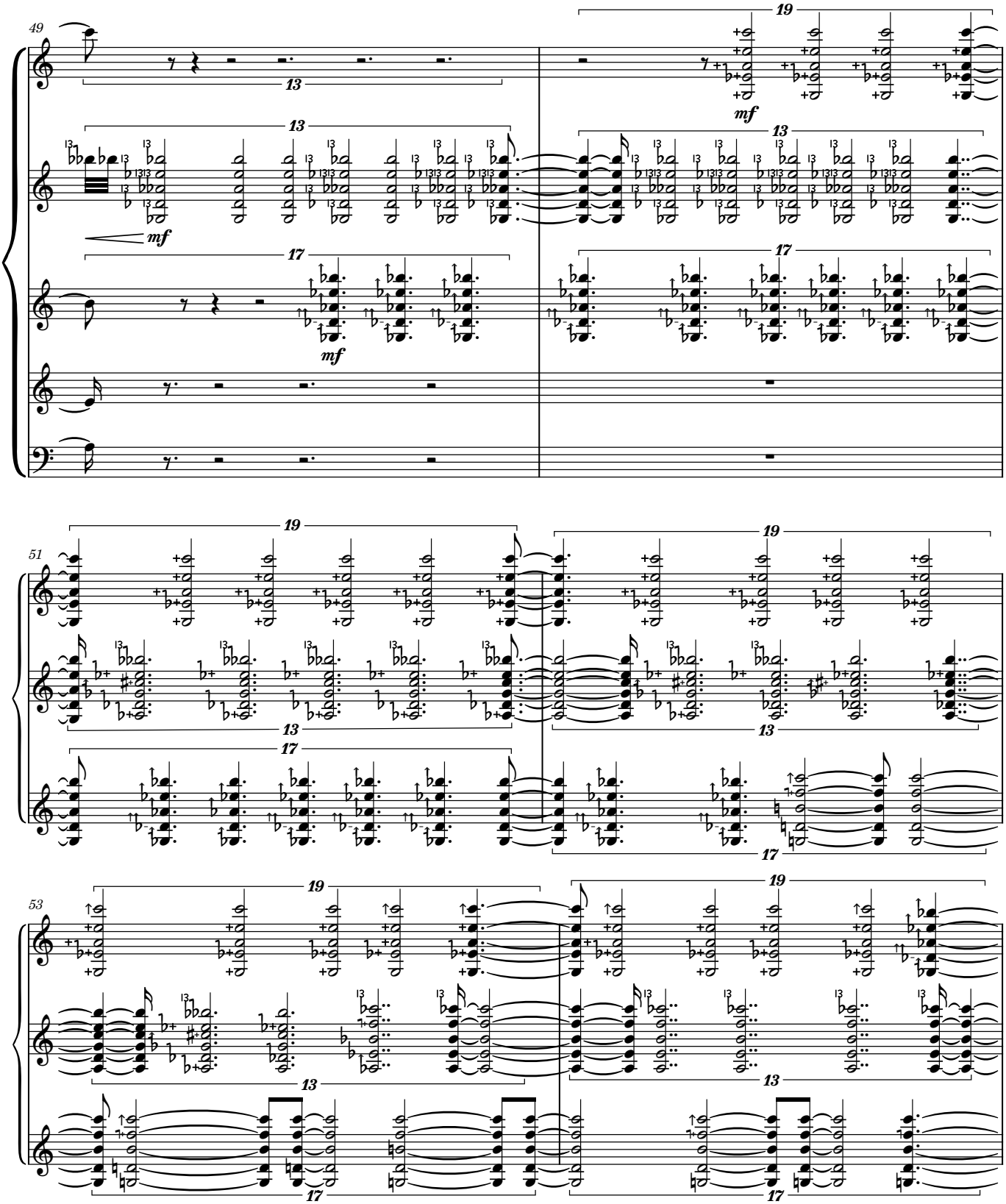

40
3
13
27
23
19
5
7

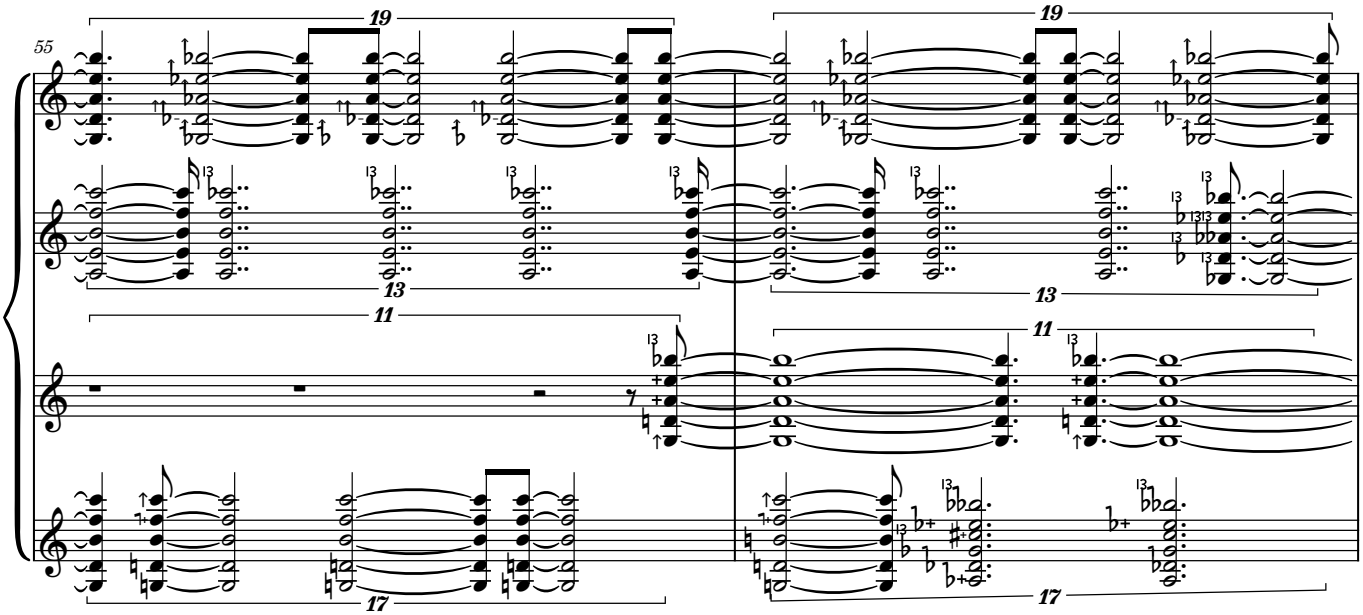

41
13
19
11
9
7
5
p
43
27

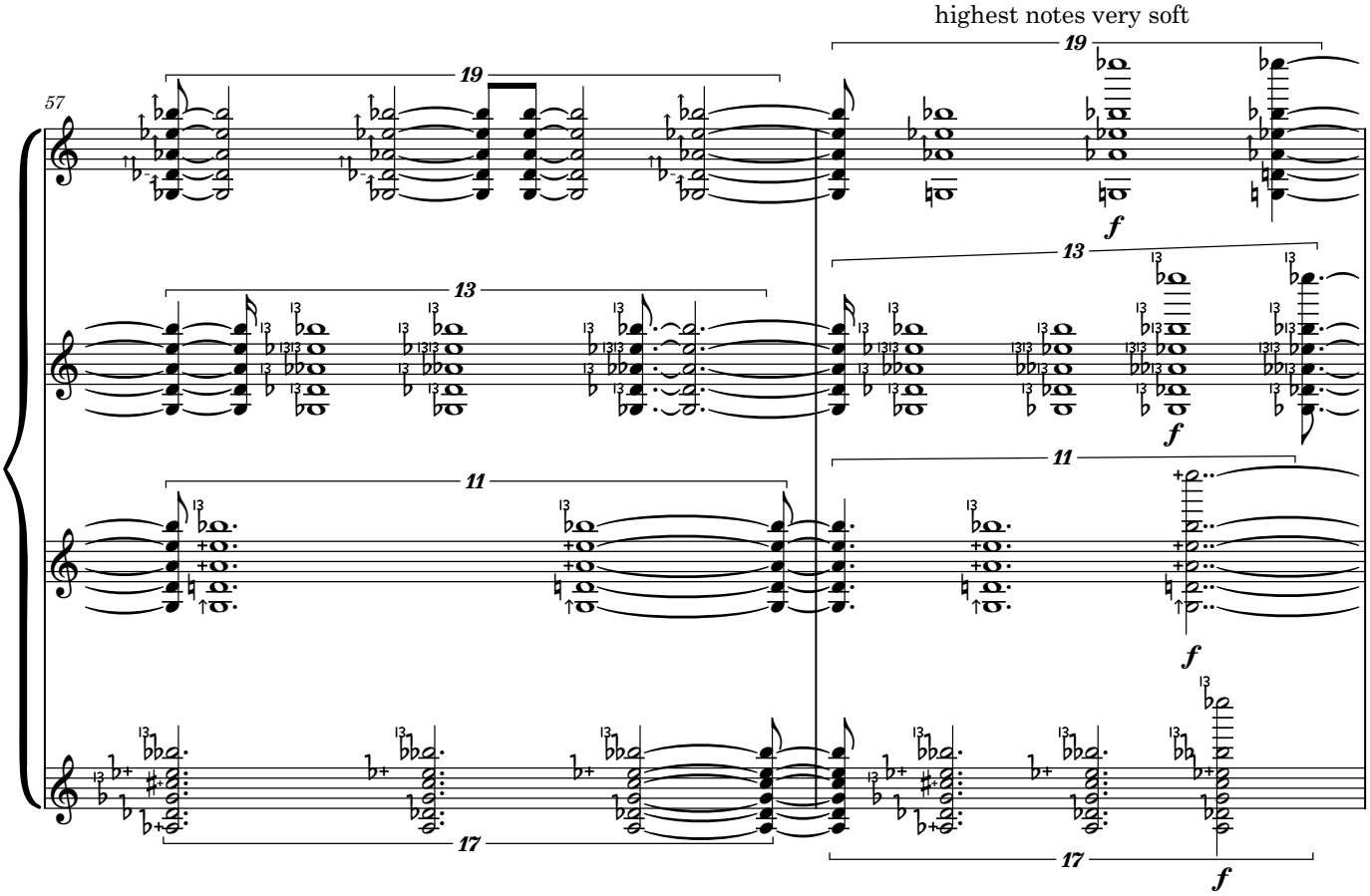

45
13
11
9
7
5
27

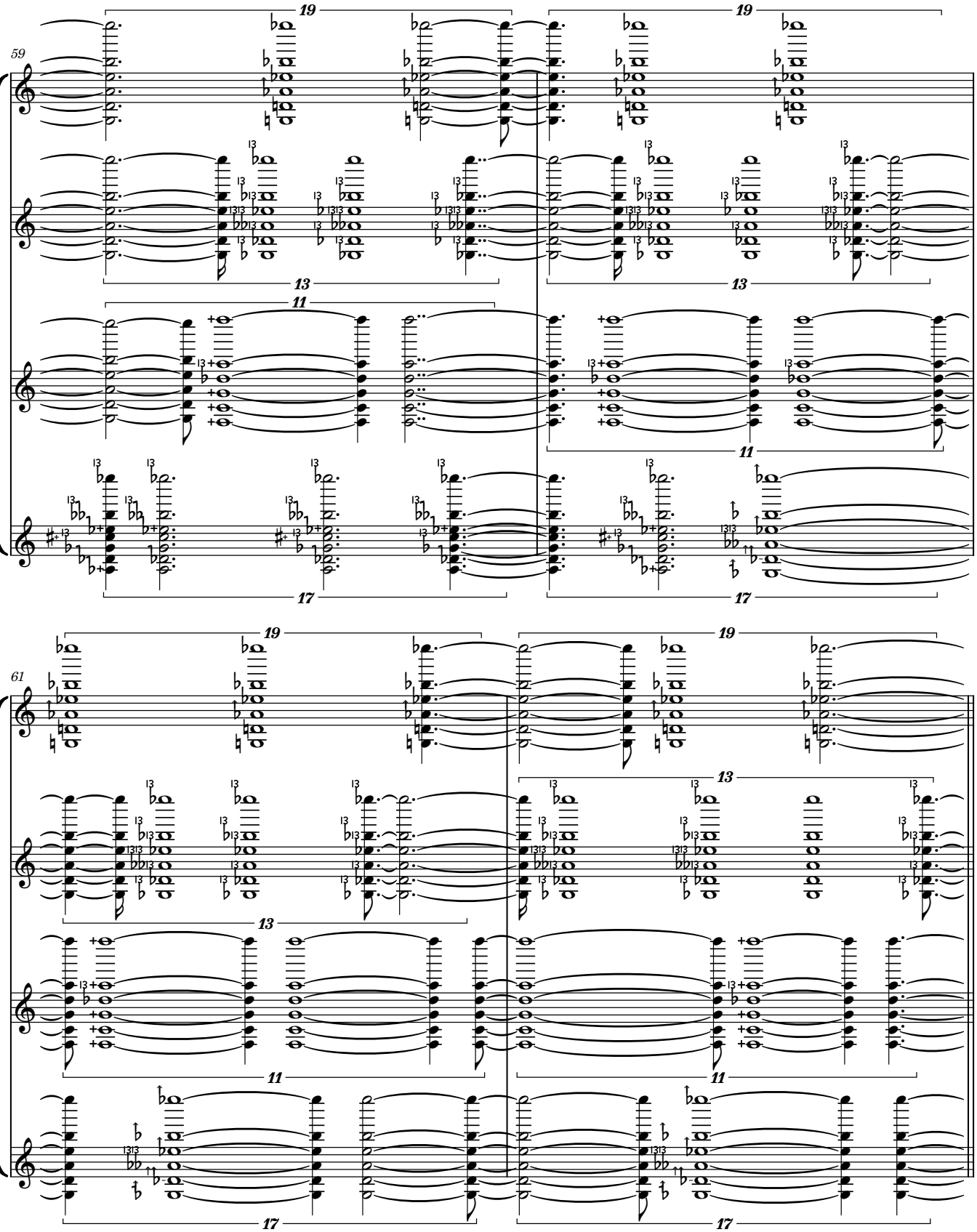

46
13
11
9
7
5
25
p
27
p

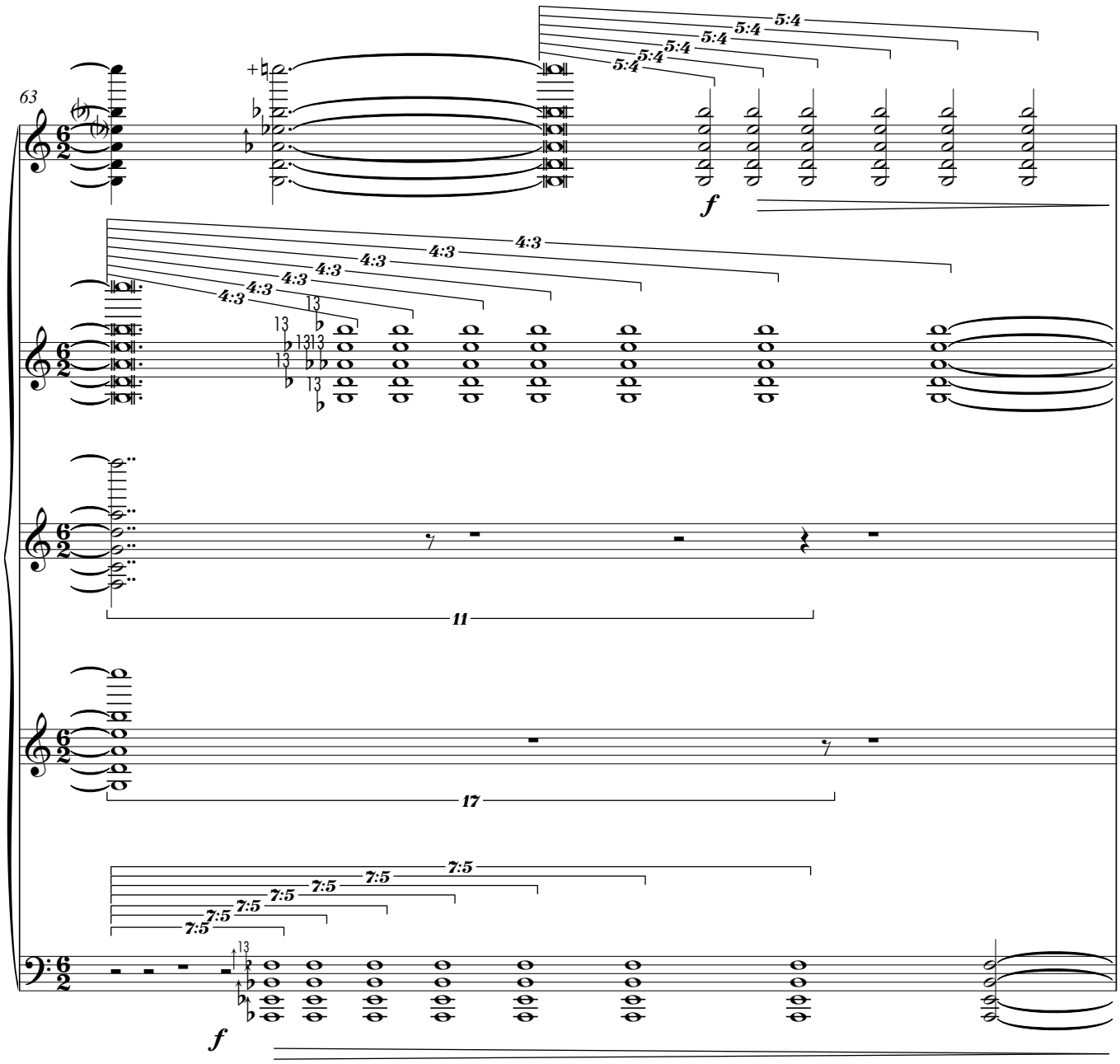

47
13
11
9
7
5
25
48
13
13
11
9
7
5
25

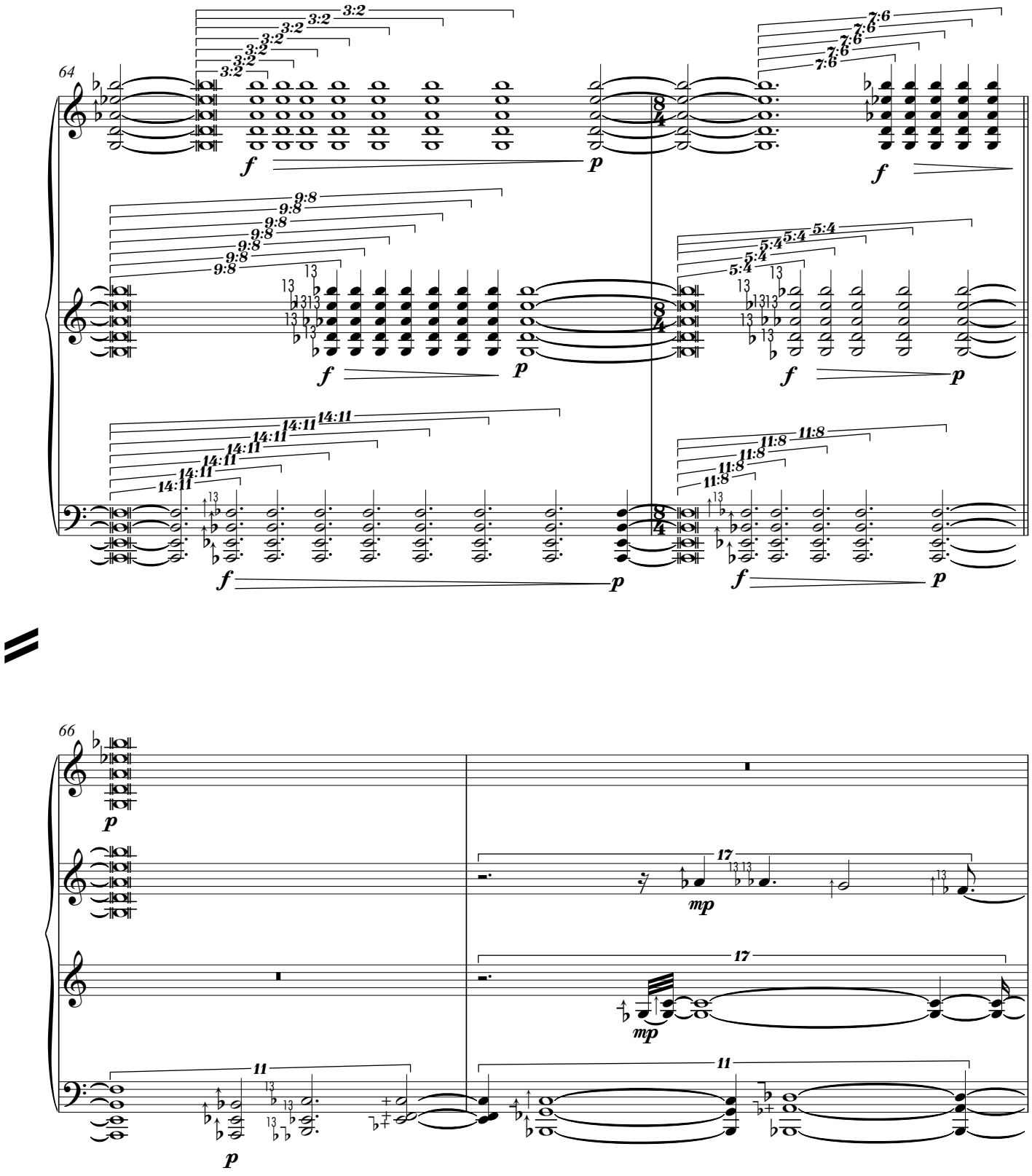

49
51
53
19
13
17
mf

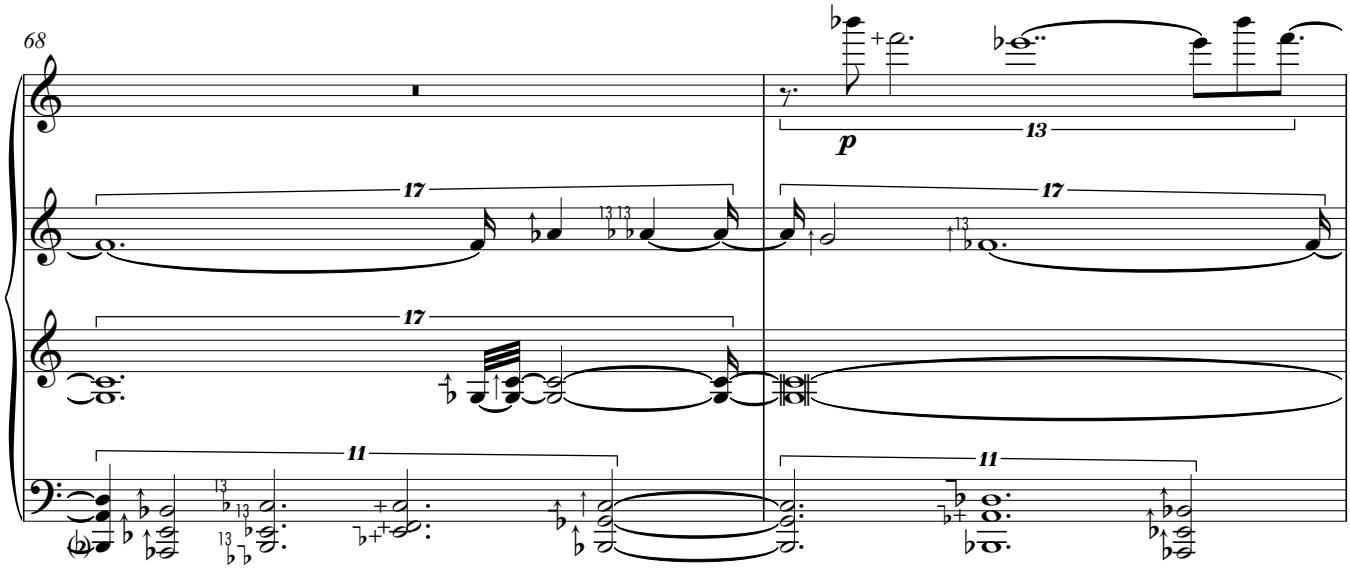

55
19
13
11
17

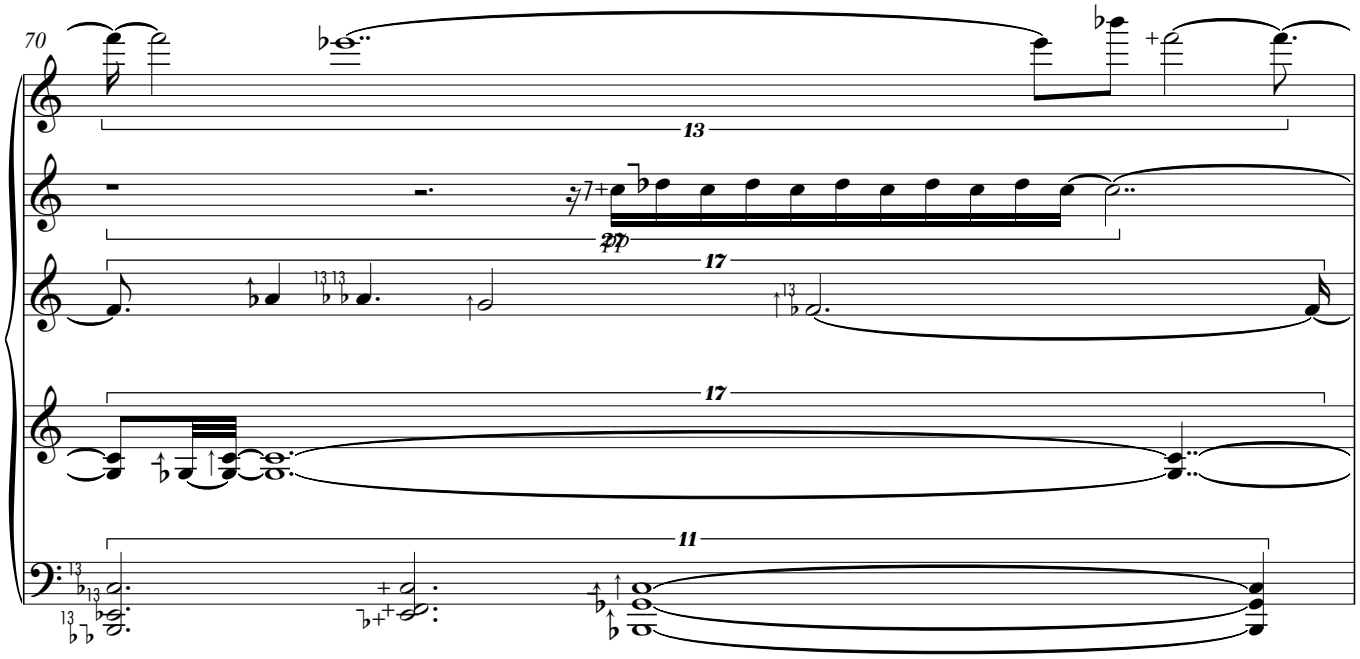

highest notes very soft
57
19
13
11
17
f

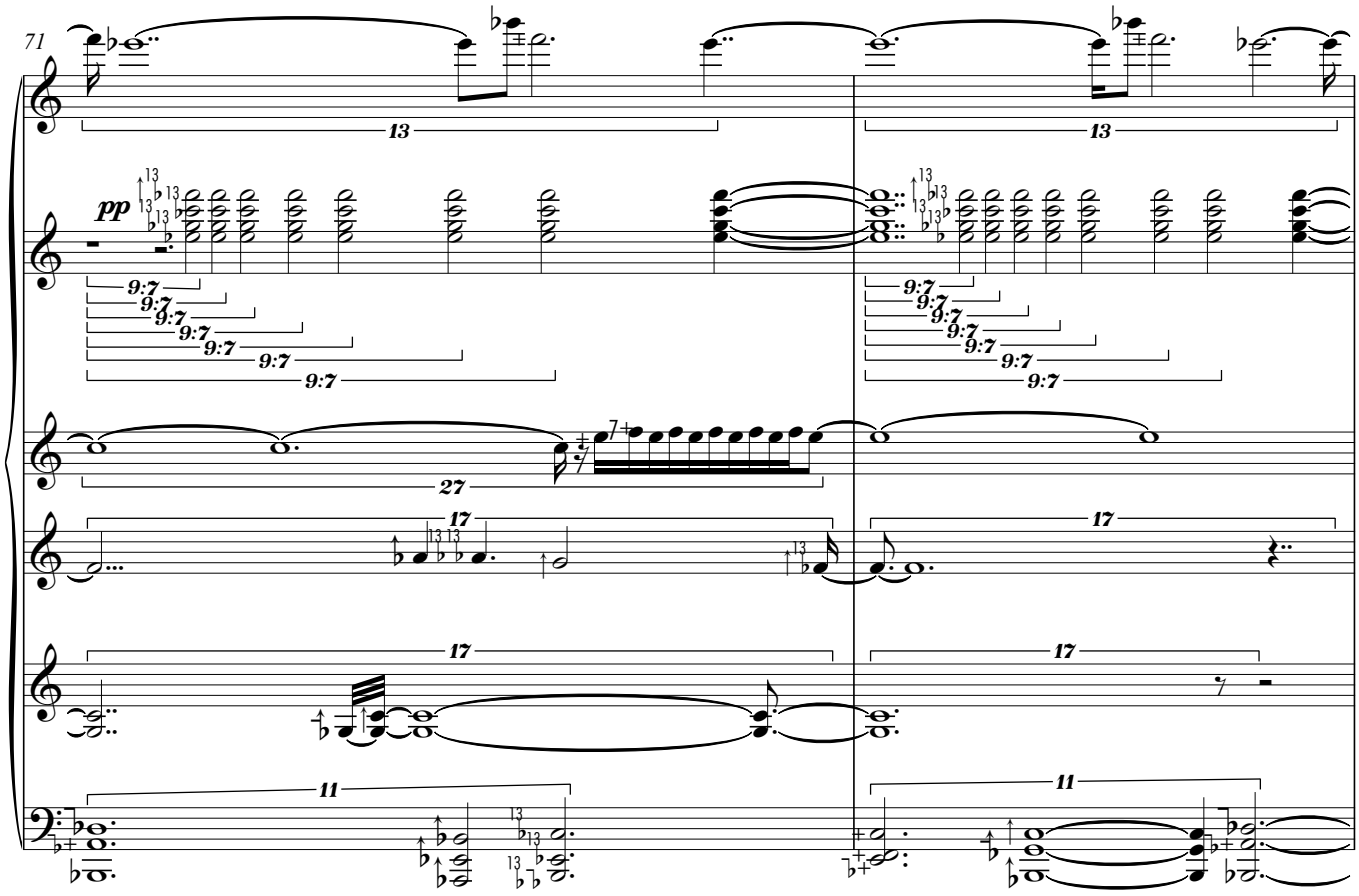

59
19
19
13
13
11
11
17
17
61
19
19
13
13
11
11
17
17

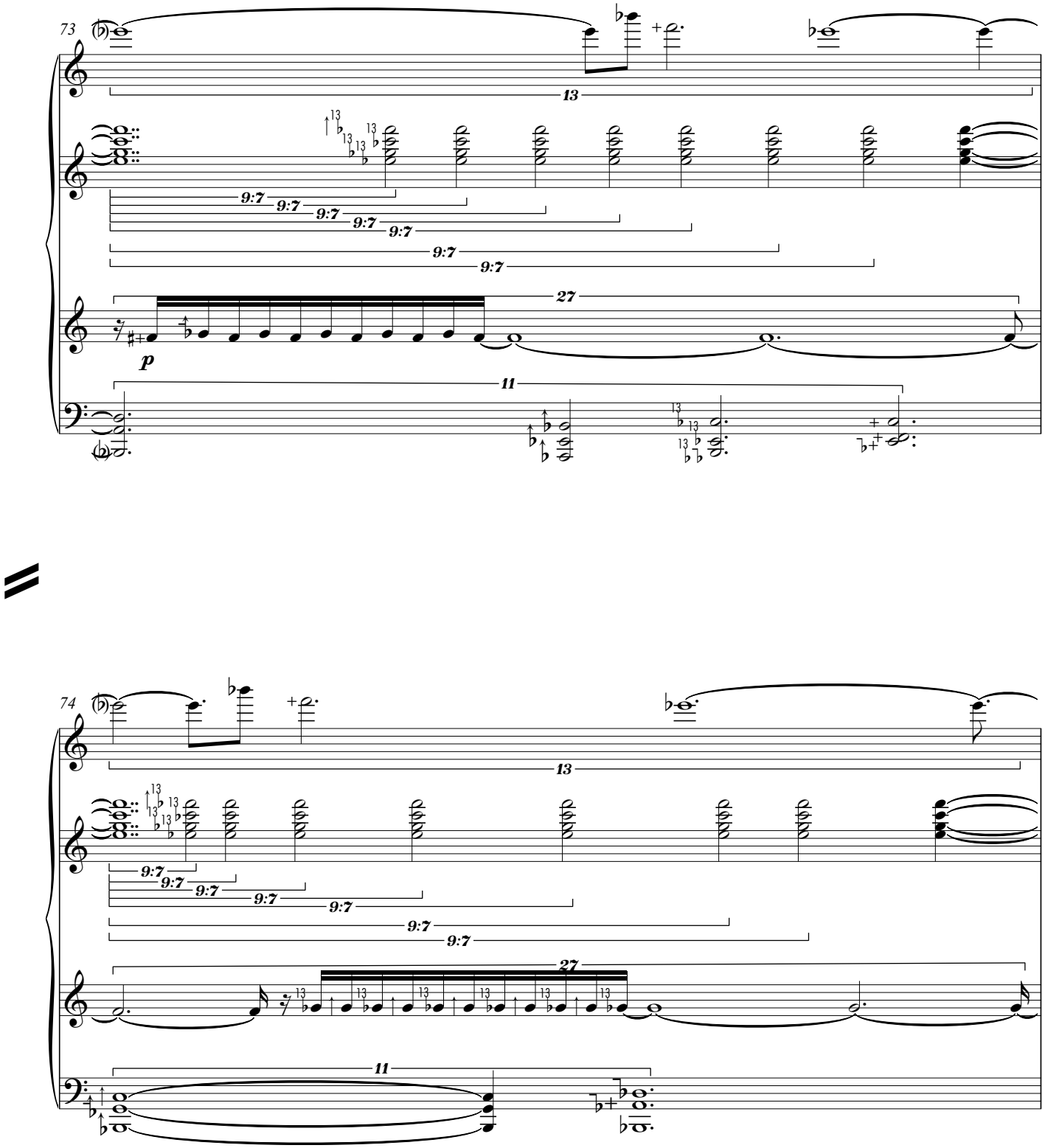

63
5:4
4:3
11
17
7:5
f
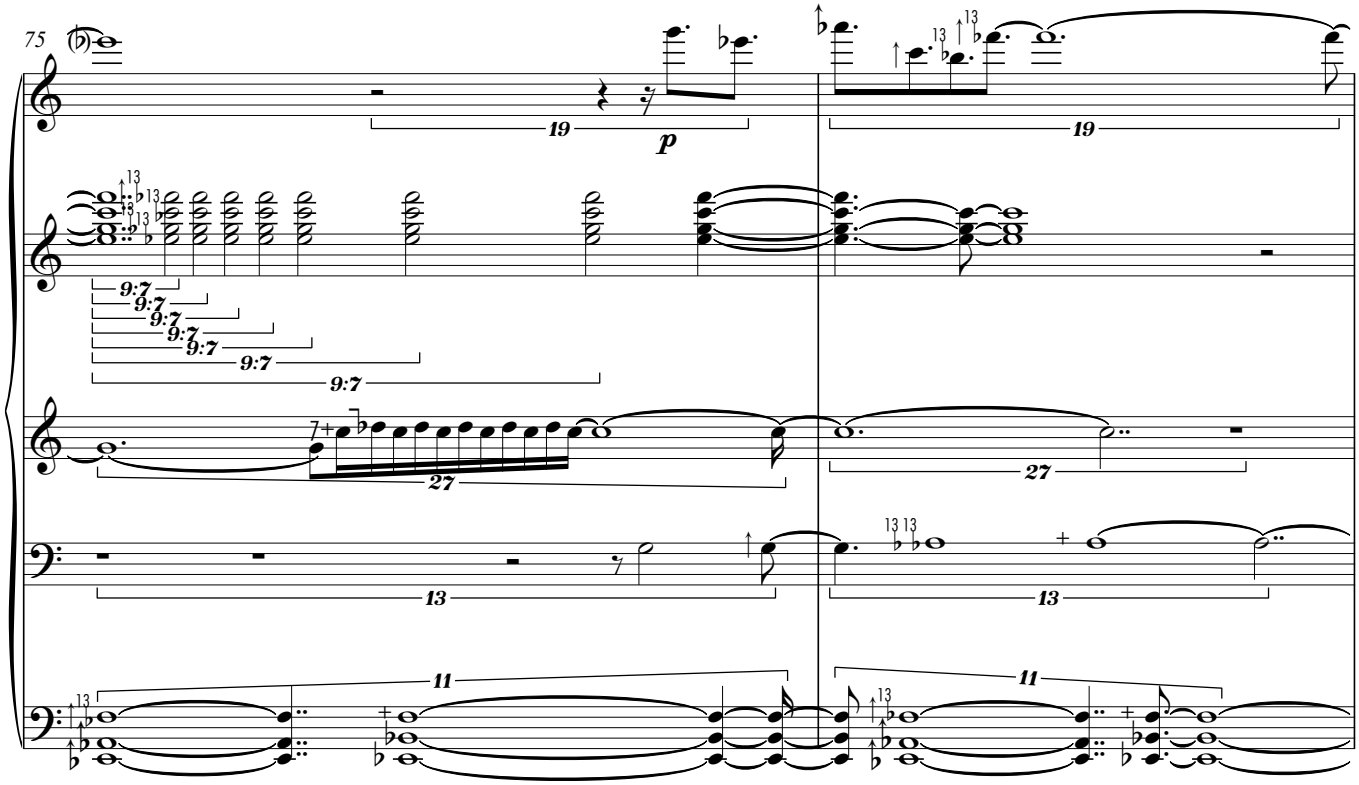

64
3:2
7:6
9:8
5:4
14:11
11:8
66
17
11
mp
p
f
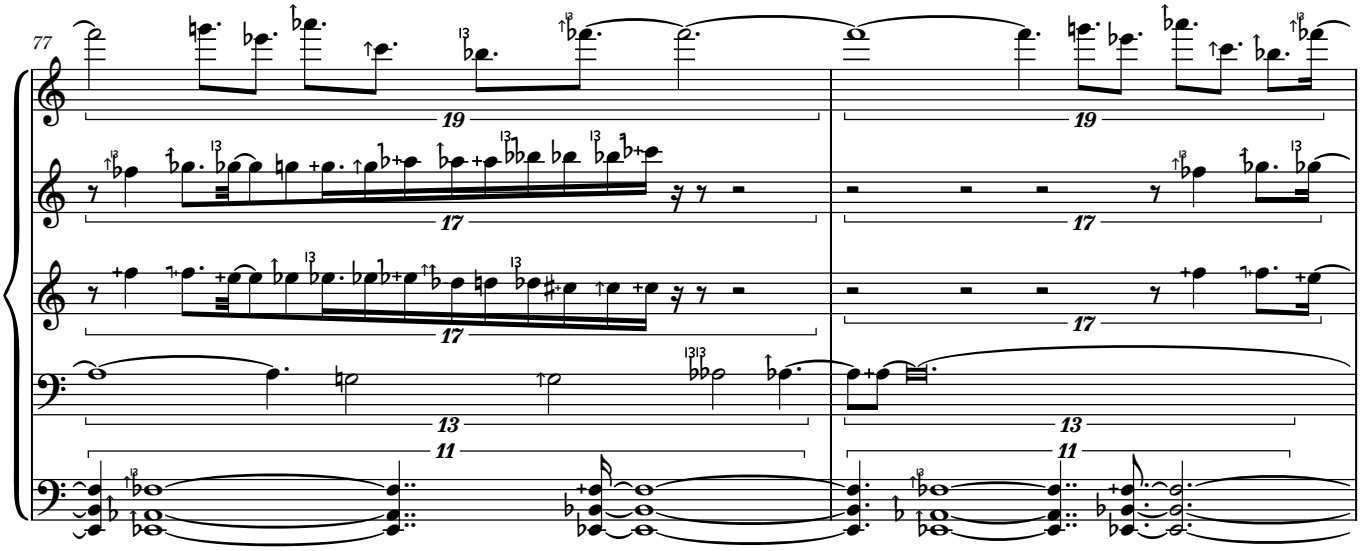

68
p
13
17
17
17
11
11

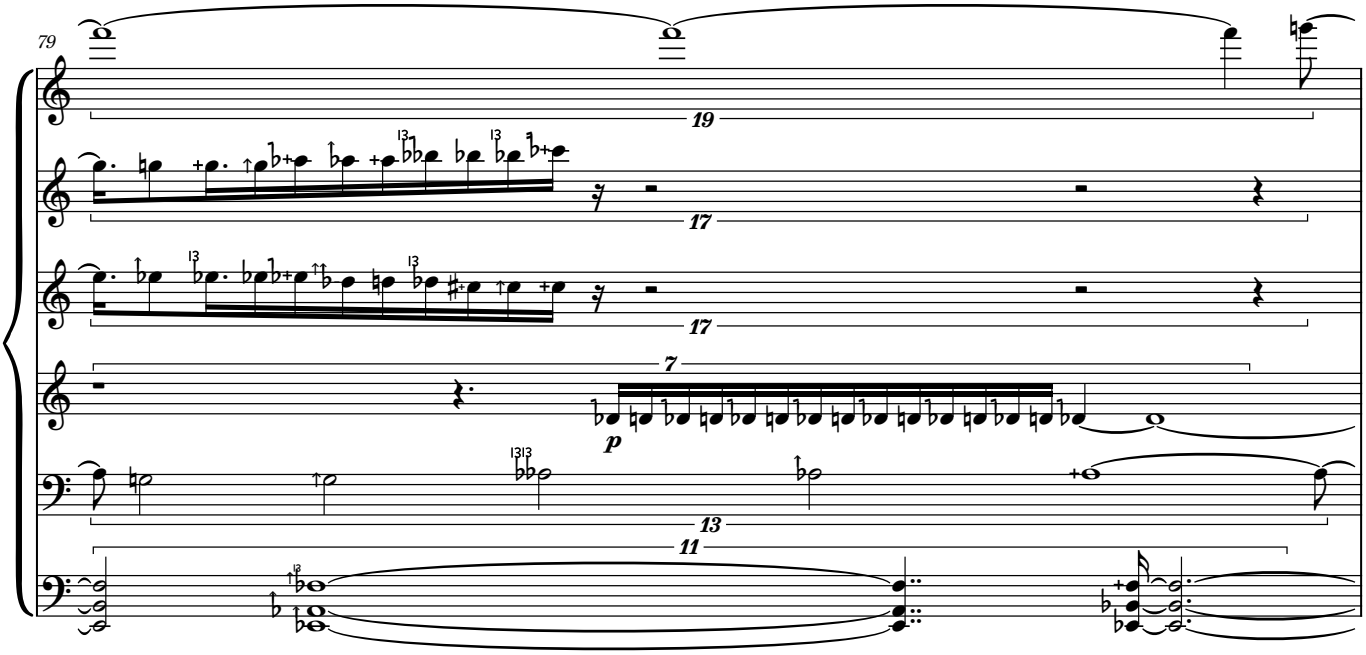

70
13
pp
17
17
11

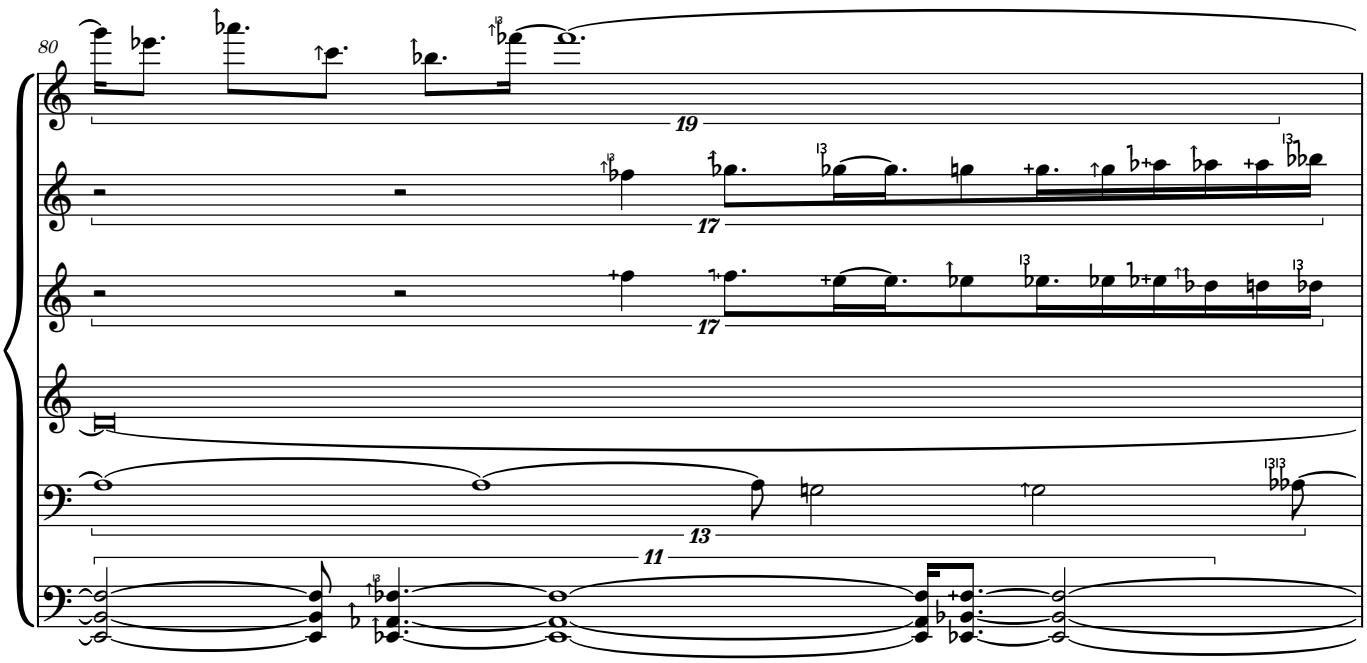

71
pp
13
9:7
27
17
11

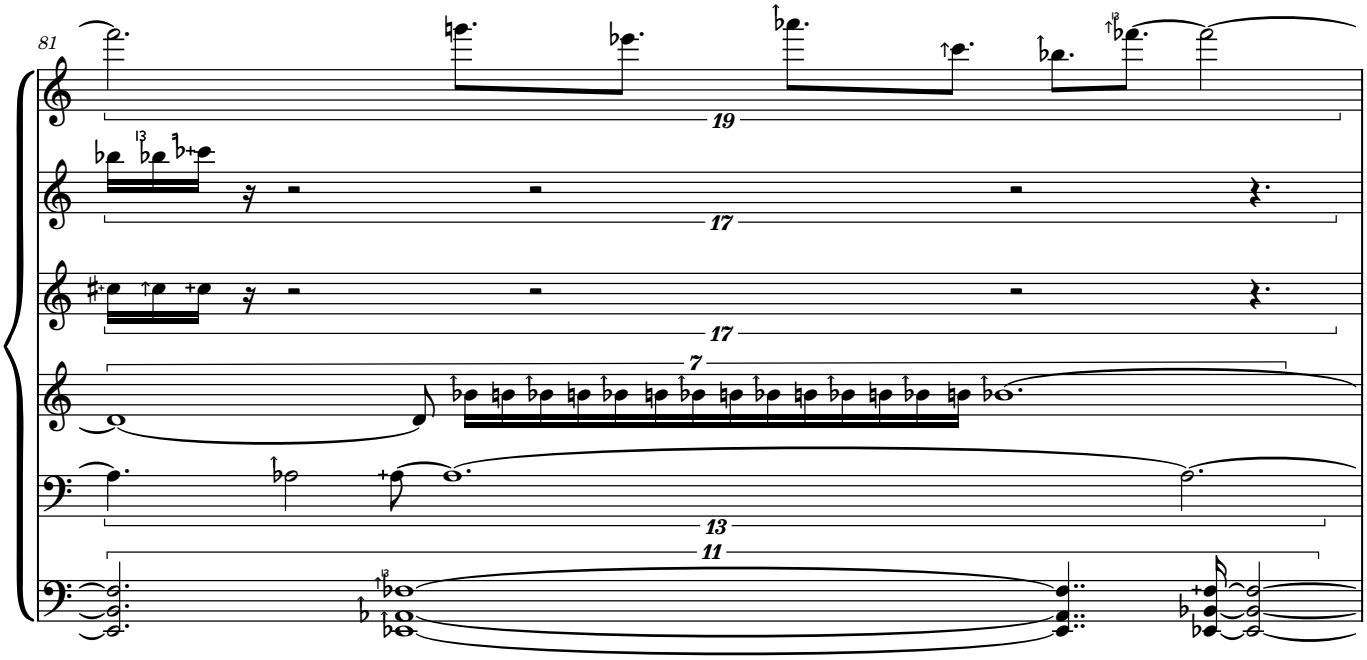

73
74
13
9:7
27
11
p

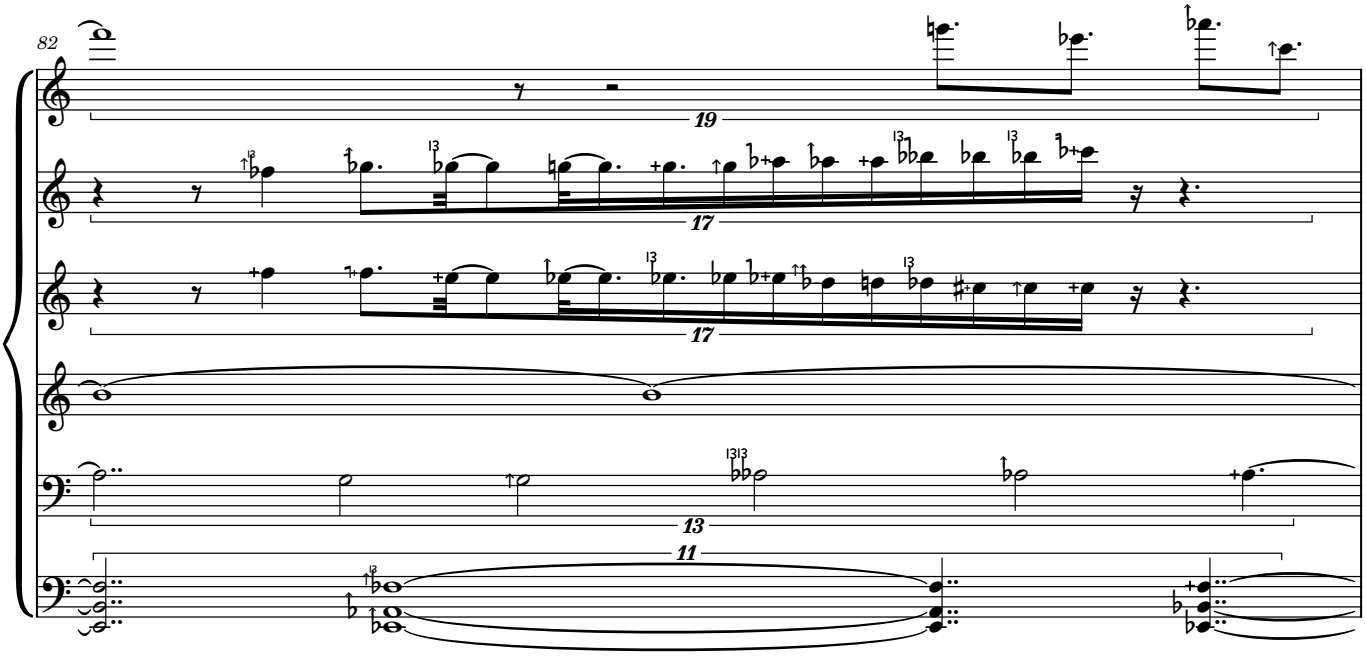

75
19
p
19
9:7
9:7
9:7
9:7
9:7
9:7
27
27
13
13
11
11

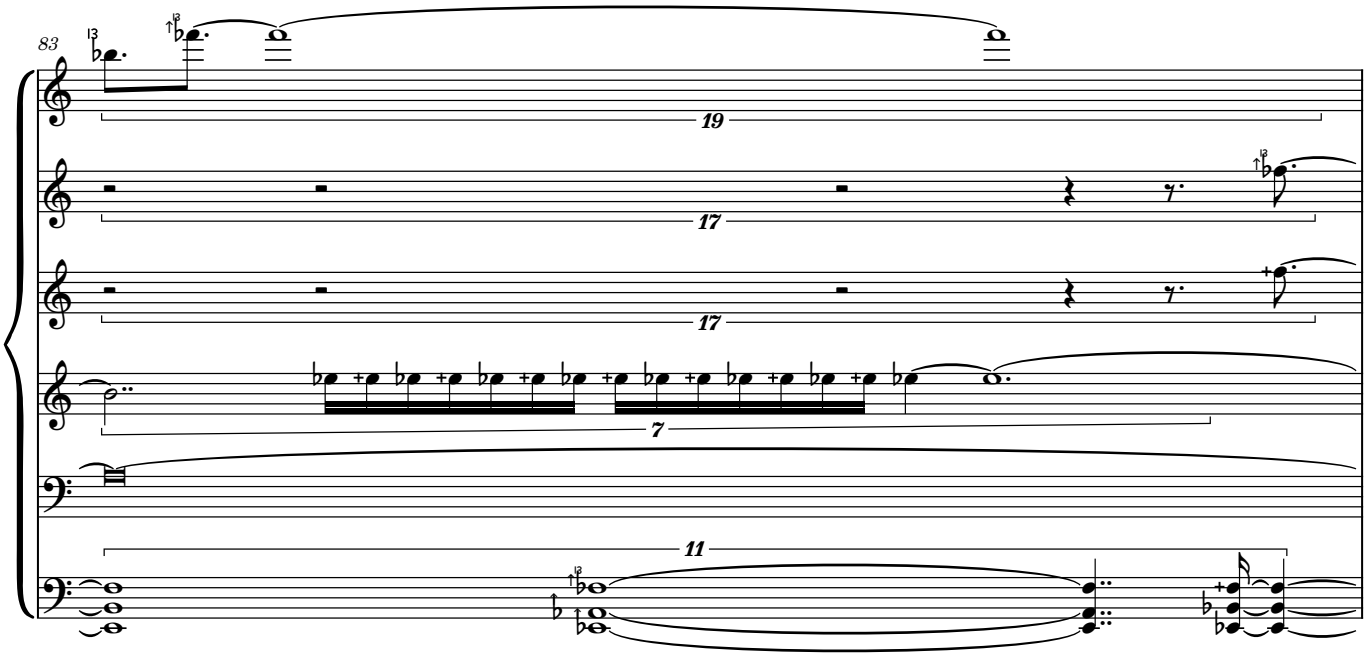

77
19
19
17
17
17
13
13
11
11

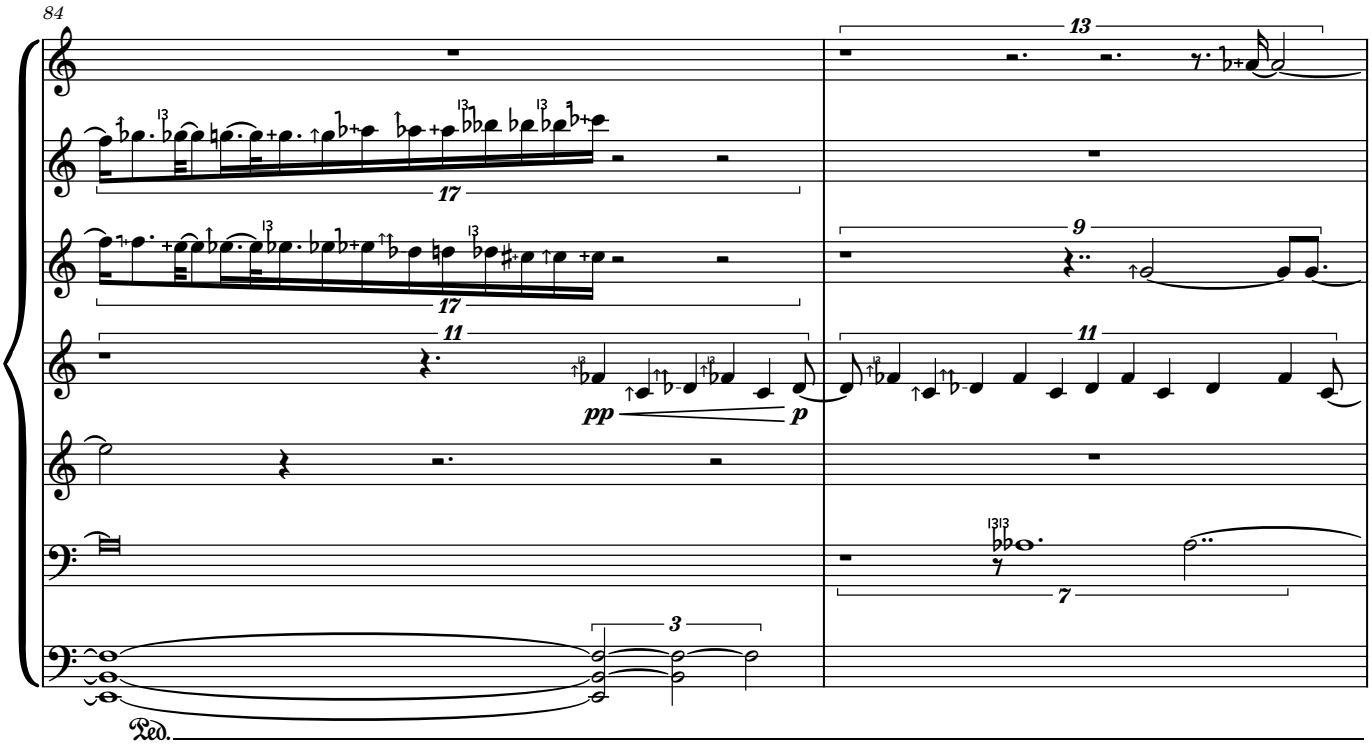

79
19
17
17
7
p
13
11
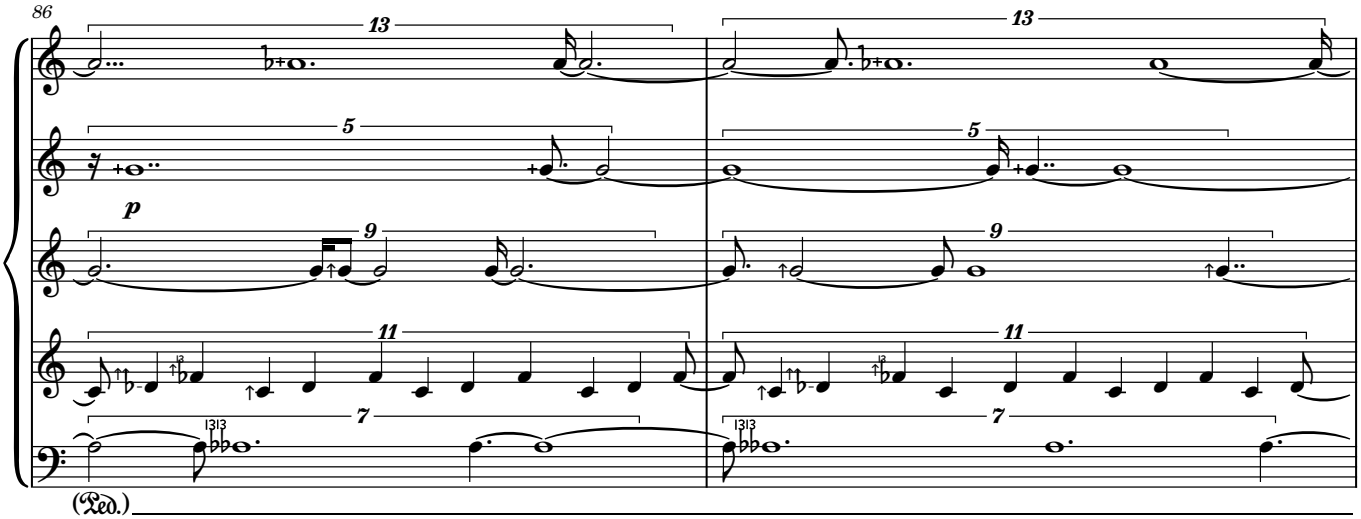

80
19
17
17
13
11
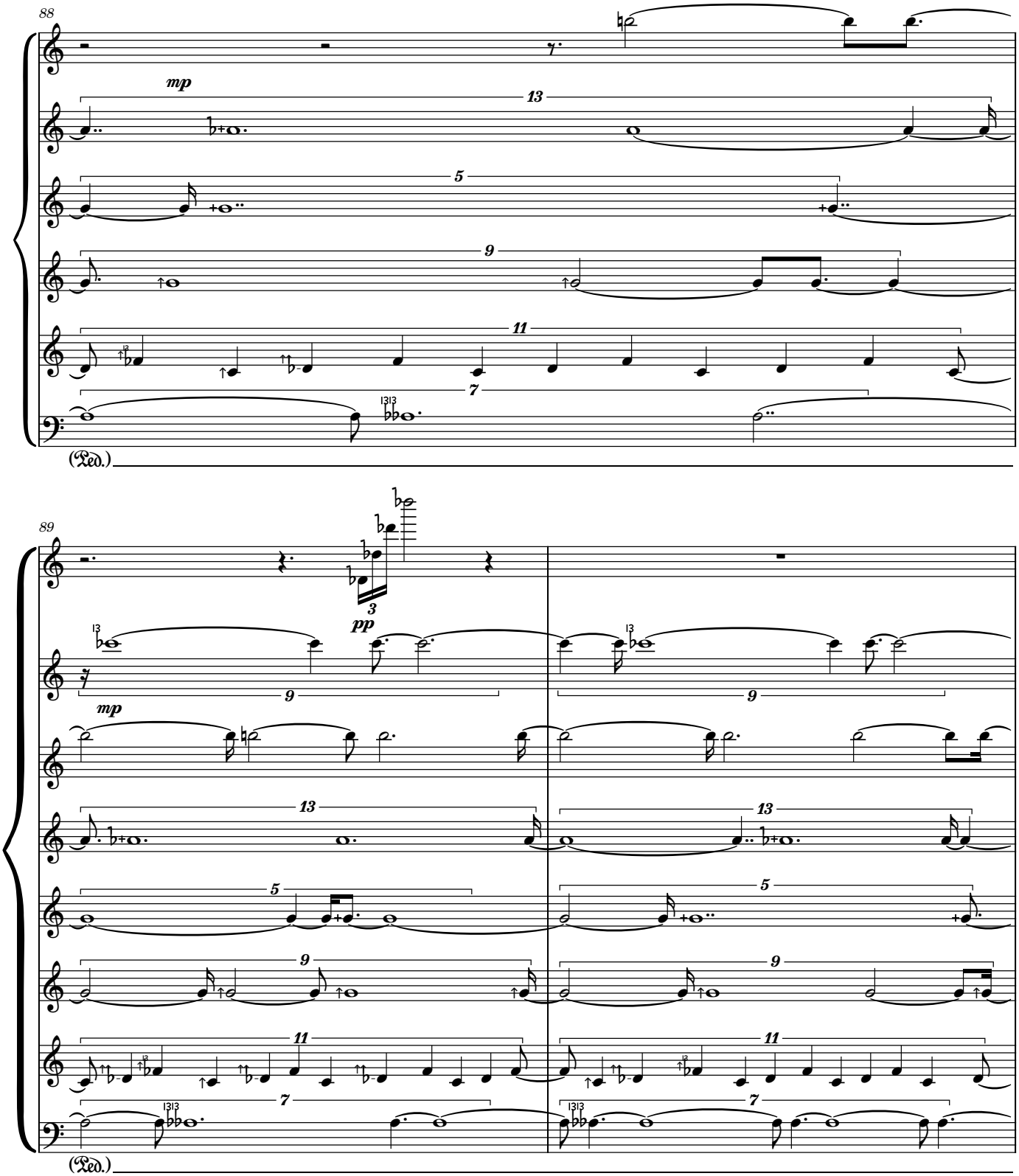

81
19
17
17
7
13
11

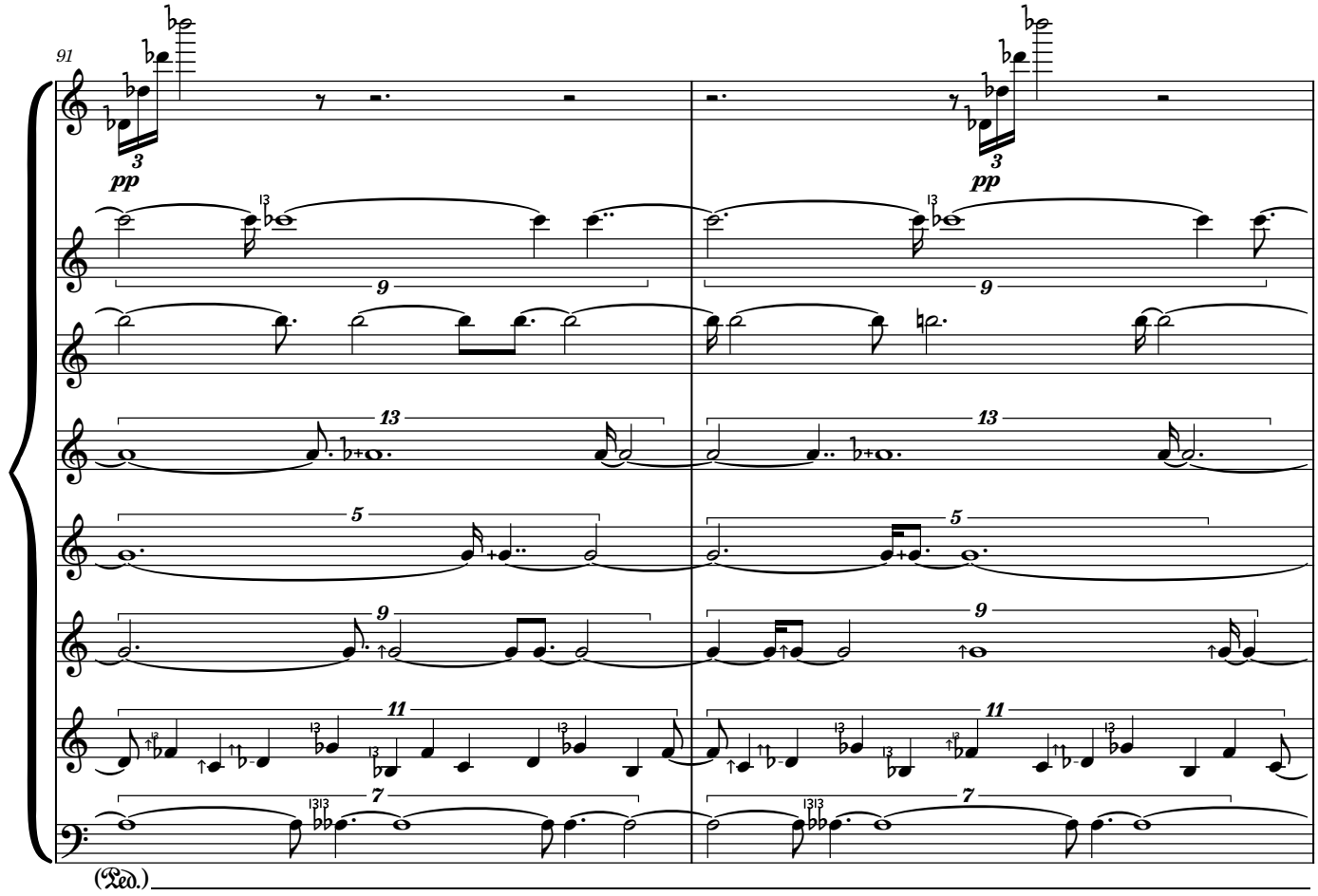

82
19
17
17
13
11
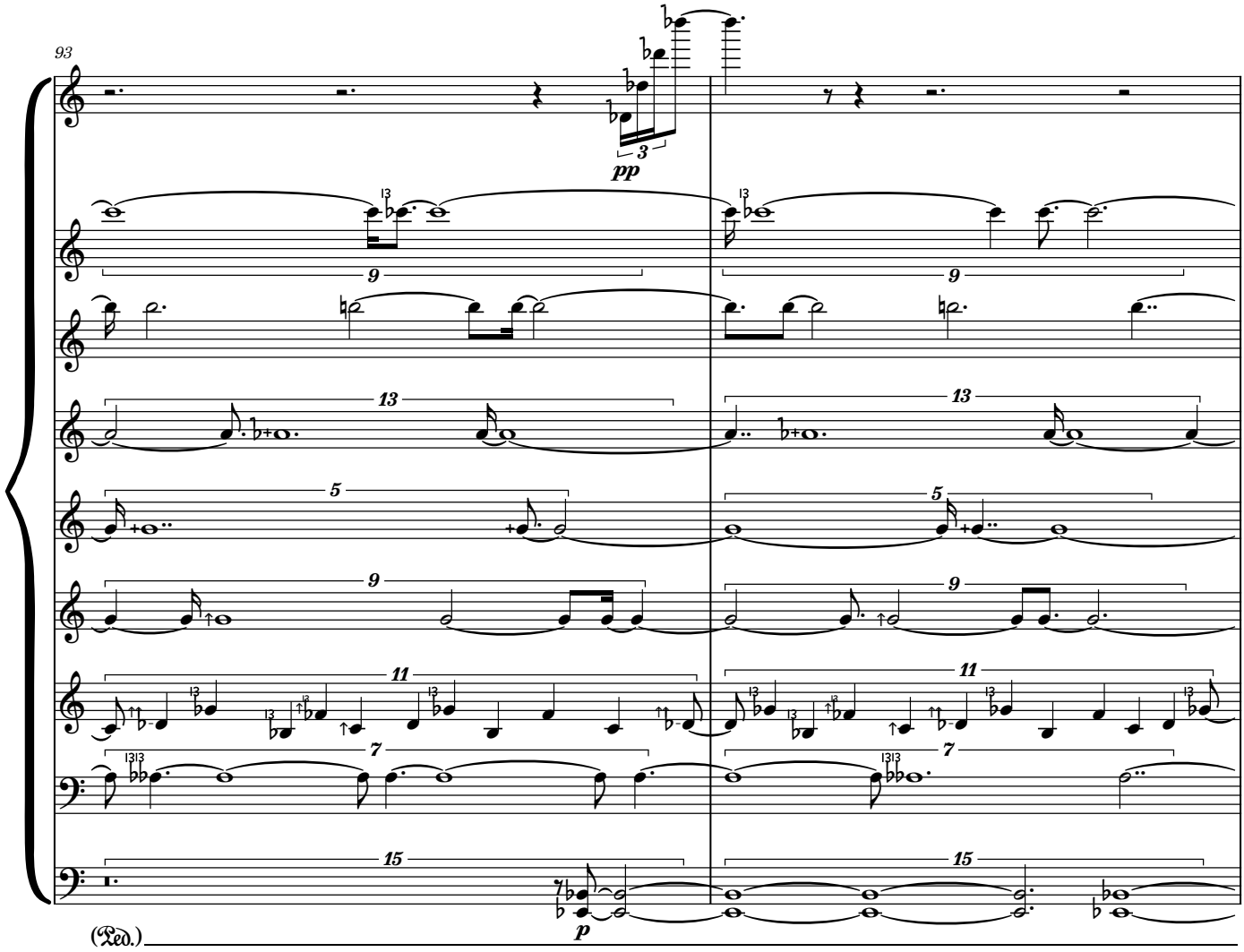

83
19
17
17
7
11
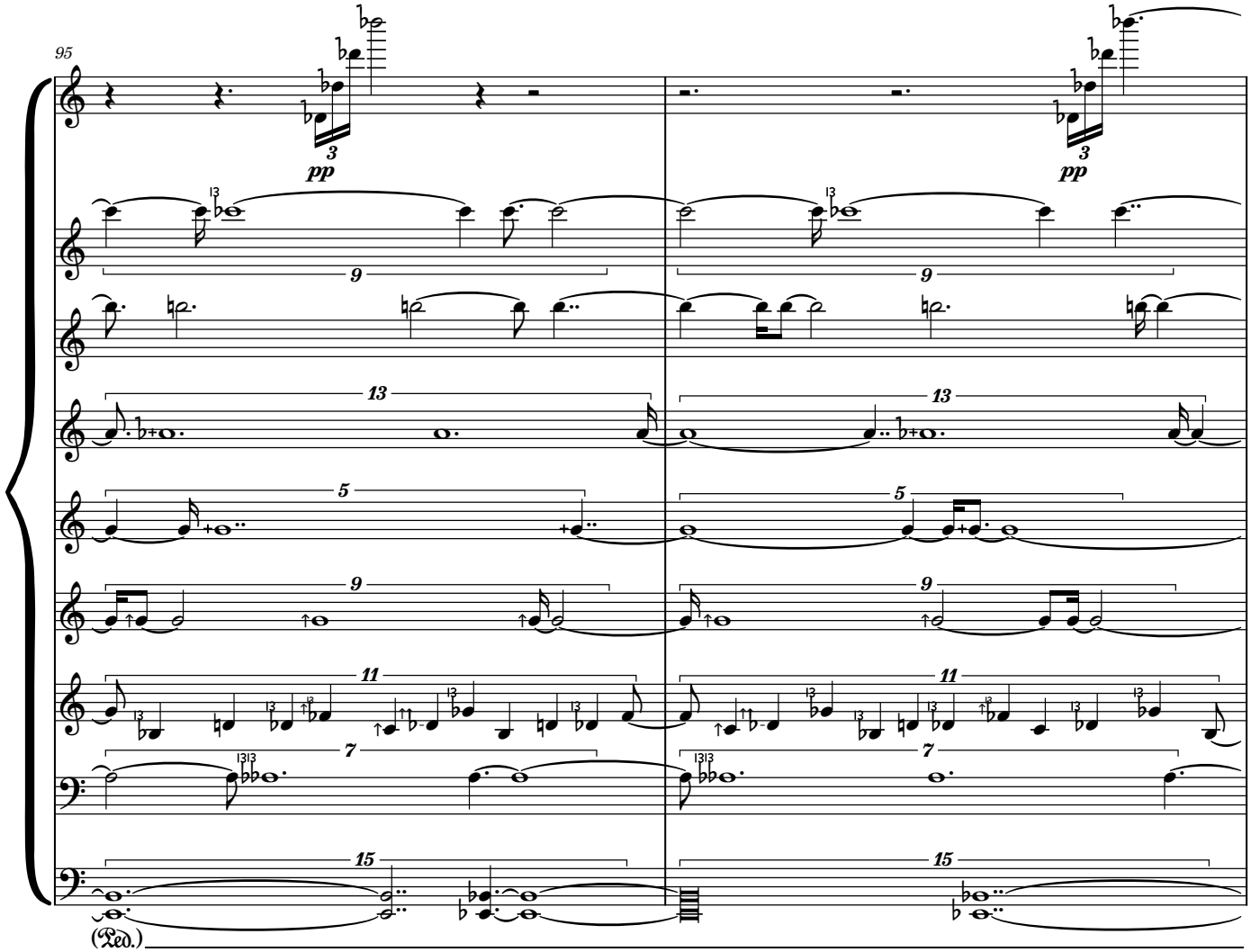

84
13
17
17
9
11
11
pp
p
7
3
Ped.

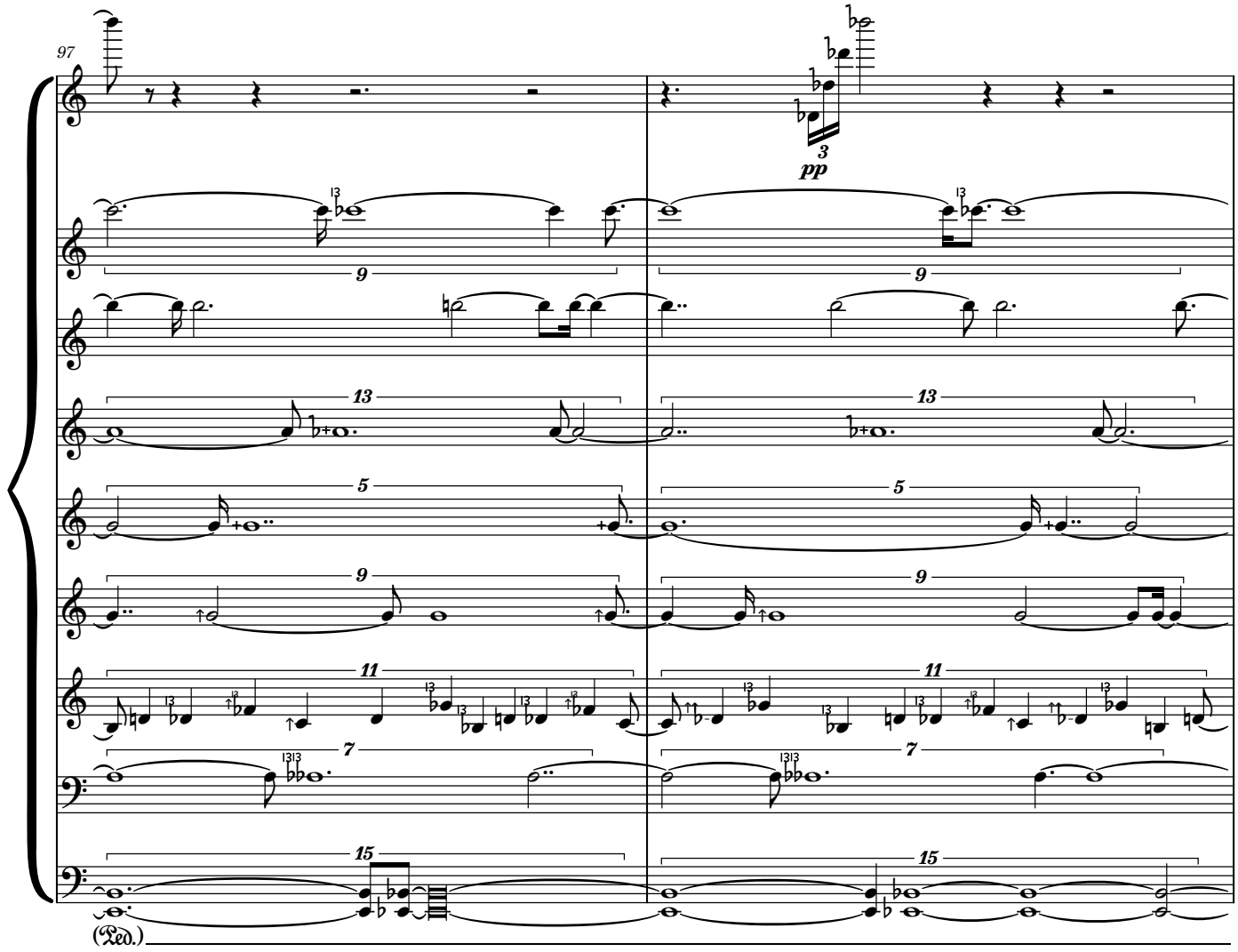

86
13
13
5
5
p
9
9
11
11
7
7
(Ped.)
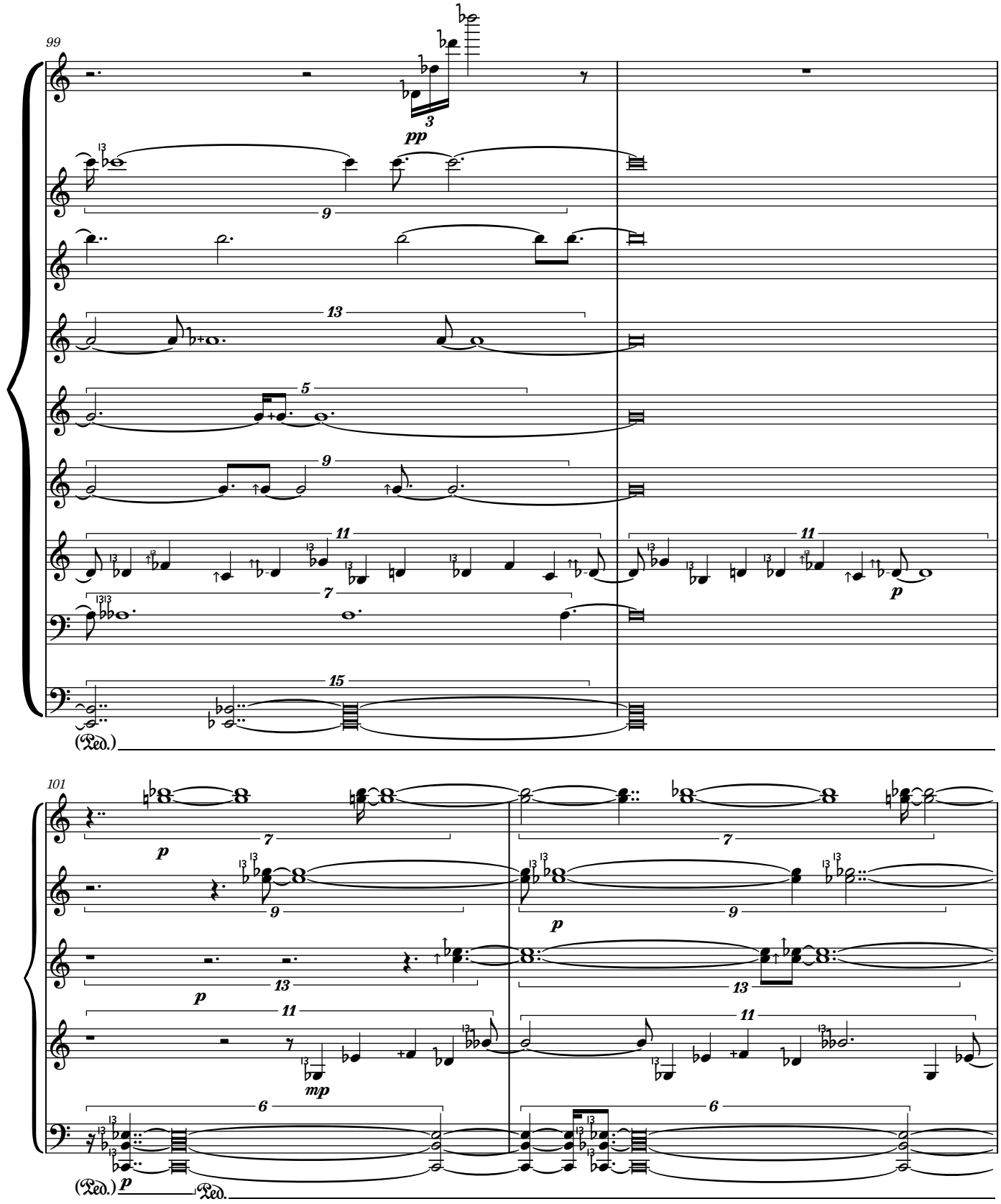

88
mp
13
5
9
11
7
(Ped.)
89
3
pp
mp
13
5
9
11
7
(Ped.)

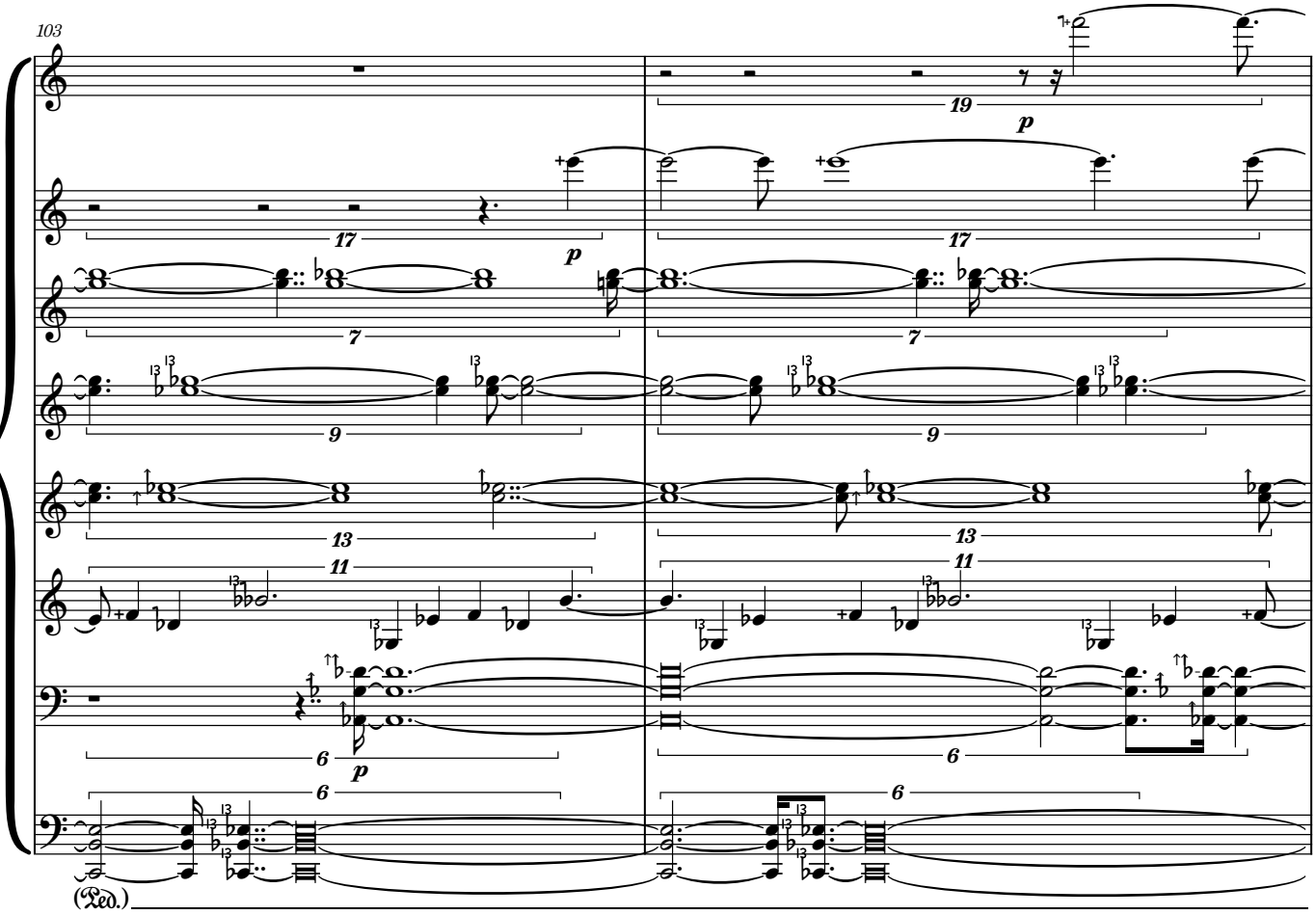

91
pp
pp
(Ped.)
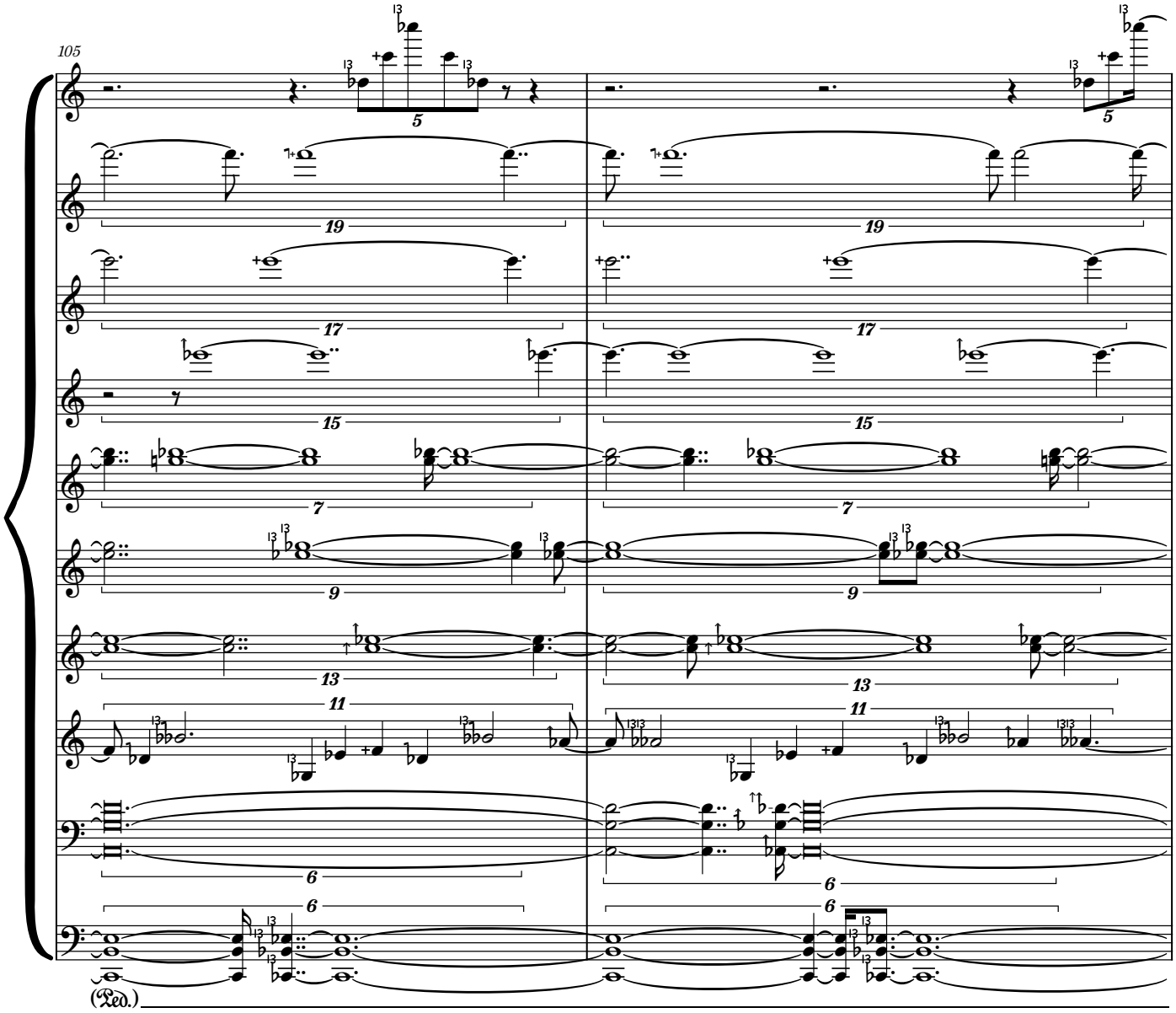

93
3
pp
9
13
5
9
11
7
15
p
(Ped.)

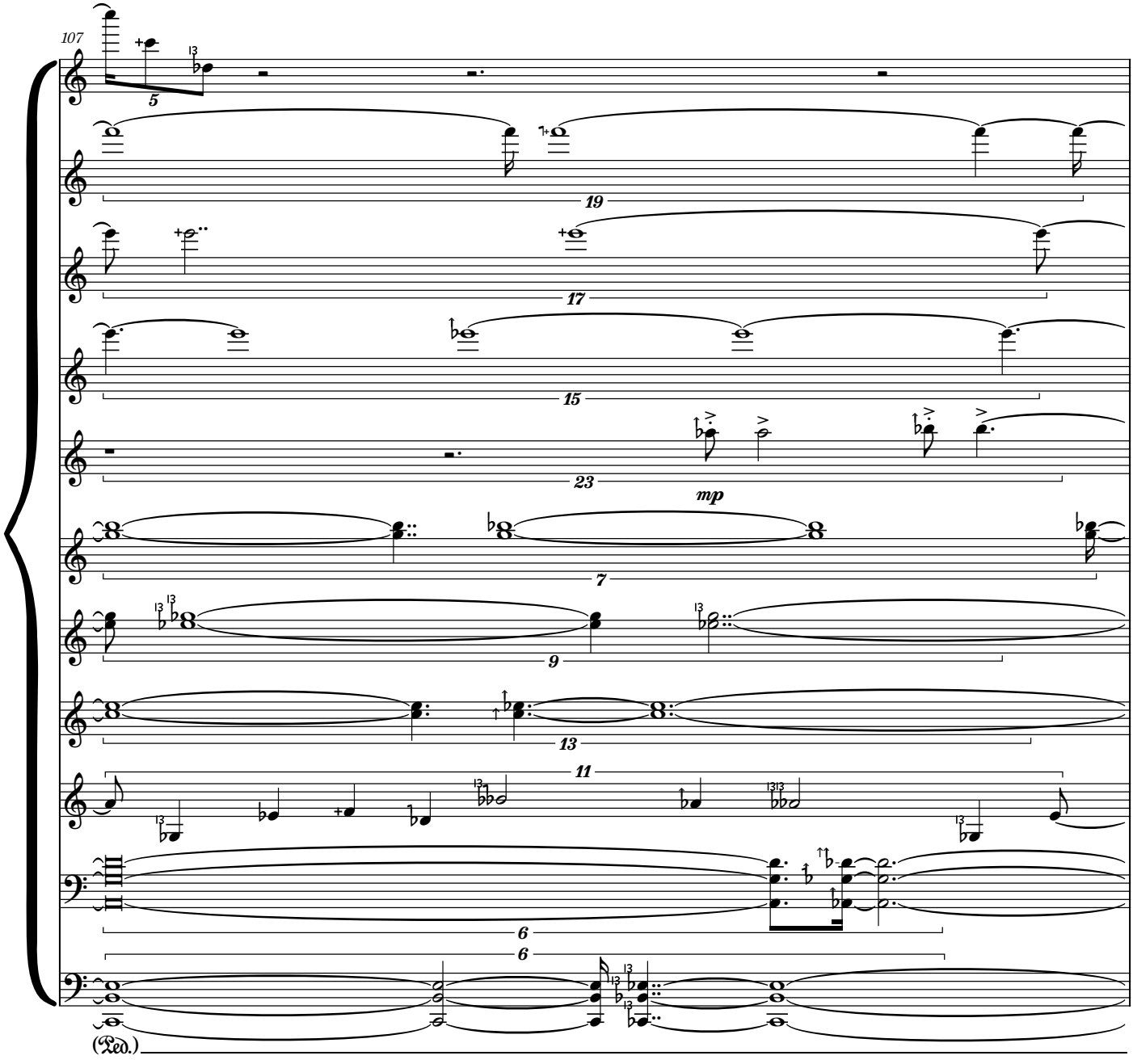

95
pp
pp
(Ped.)

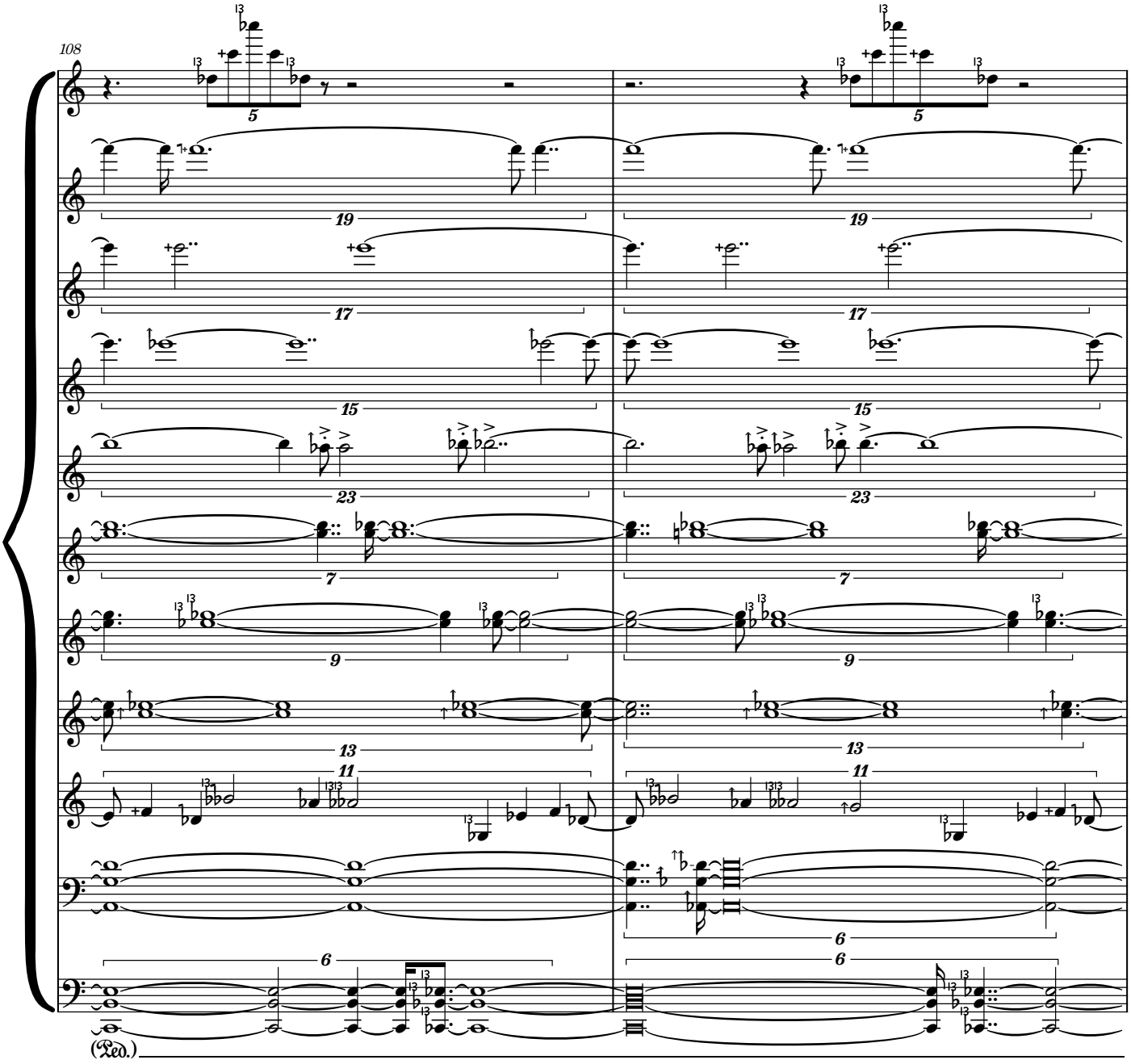

97
3
pp
9
13
5
9
11
7
15
(Ped.)

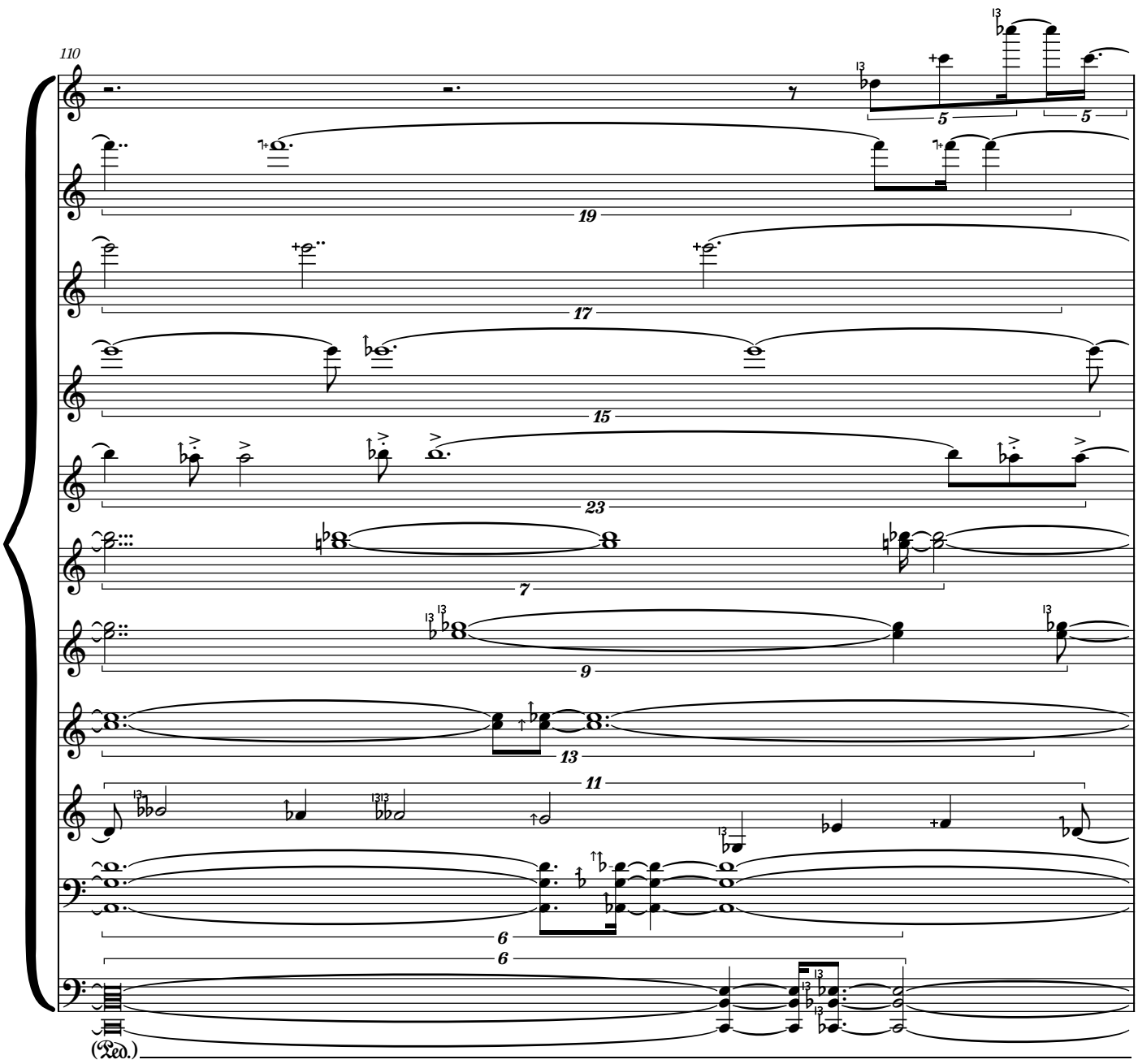

99
pp
9
13
5
9
11
7
15
p
(Ped.)
101
p
7
9
13
11
mp
6
(Ped.)
Ped.

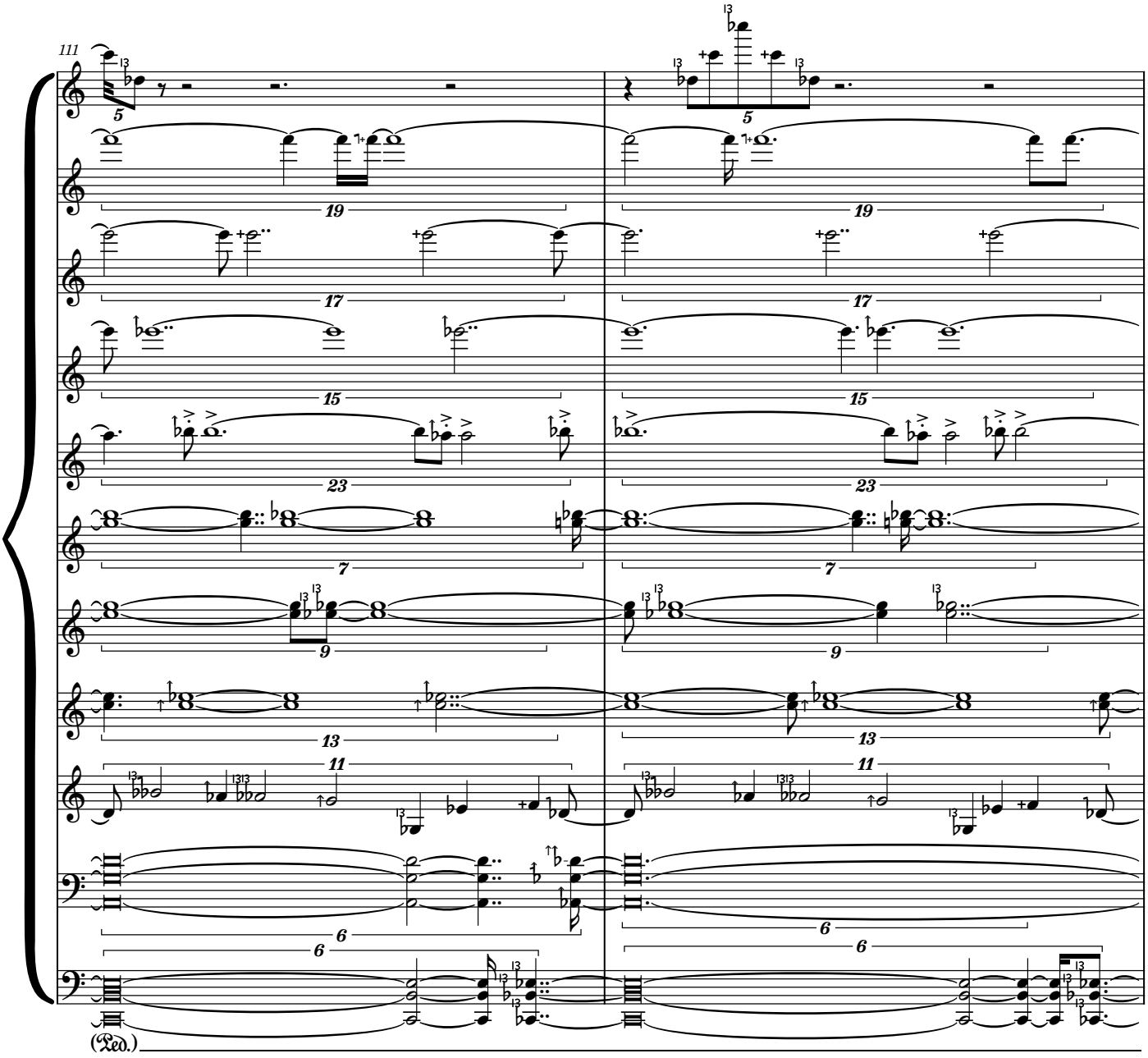

103
19
p
17
p
17
7
7
9
9
13
13
11
11
6
p
6
6
(Ped.)

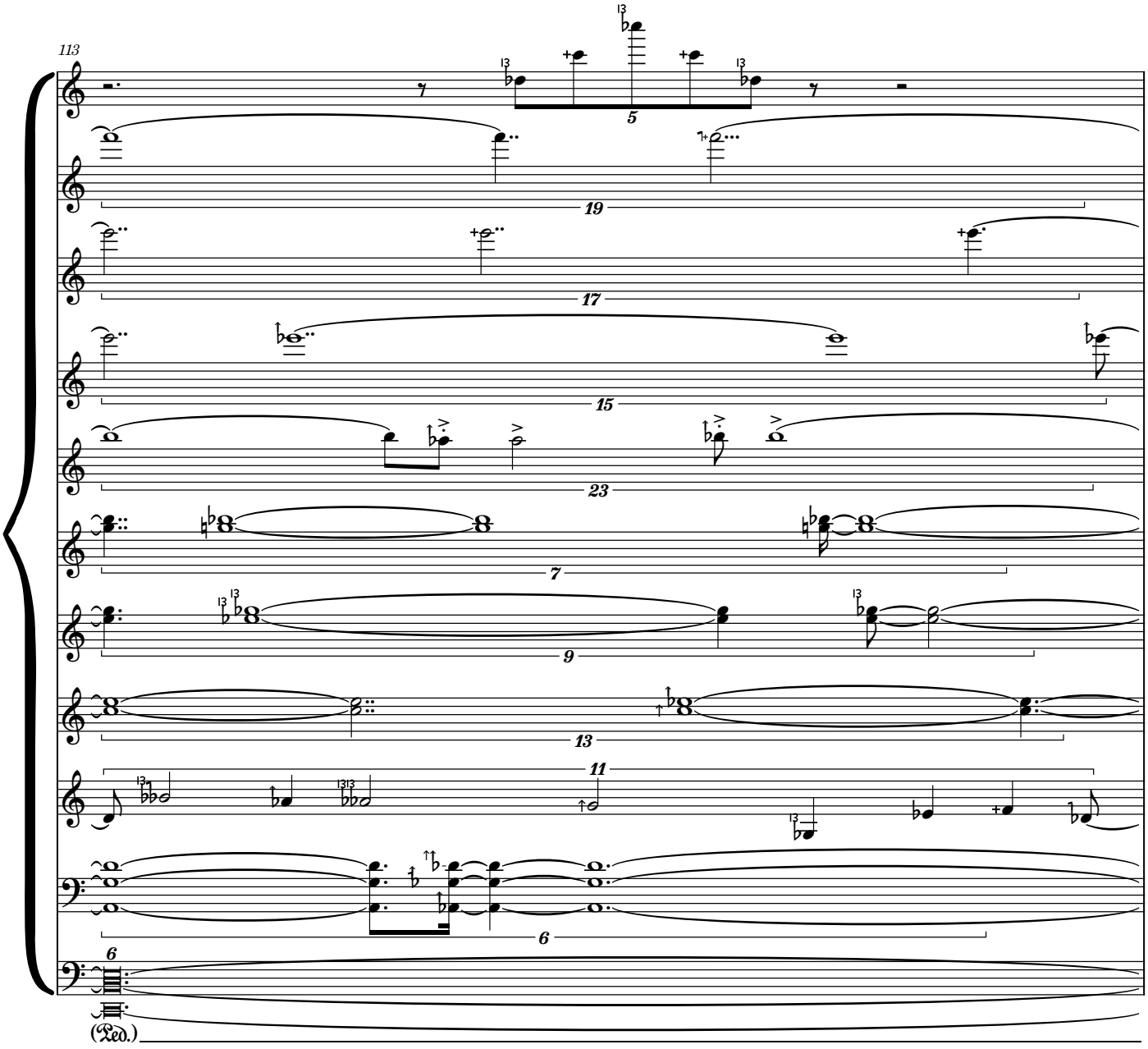

105
(Ped.)

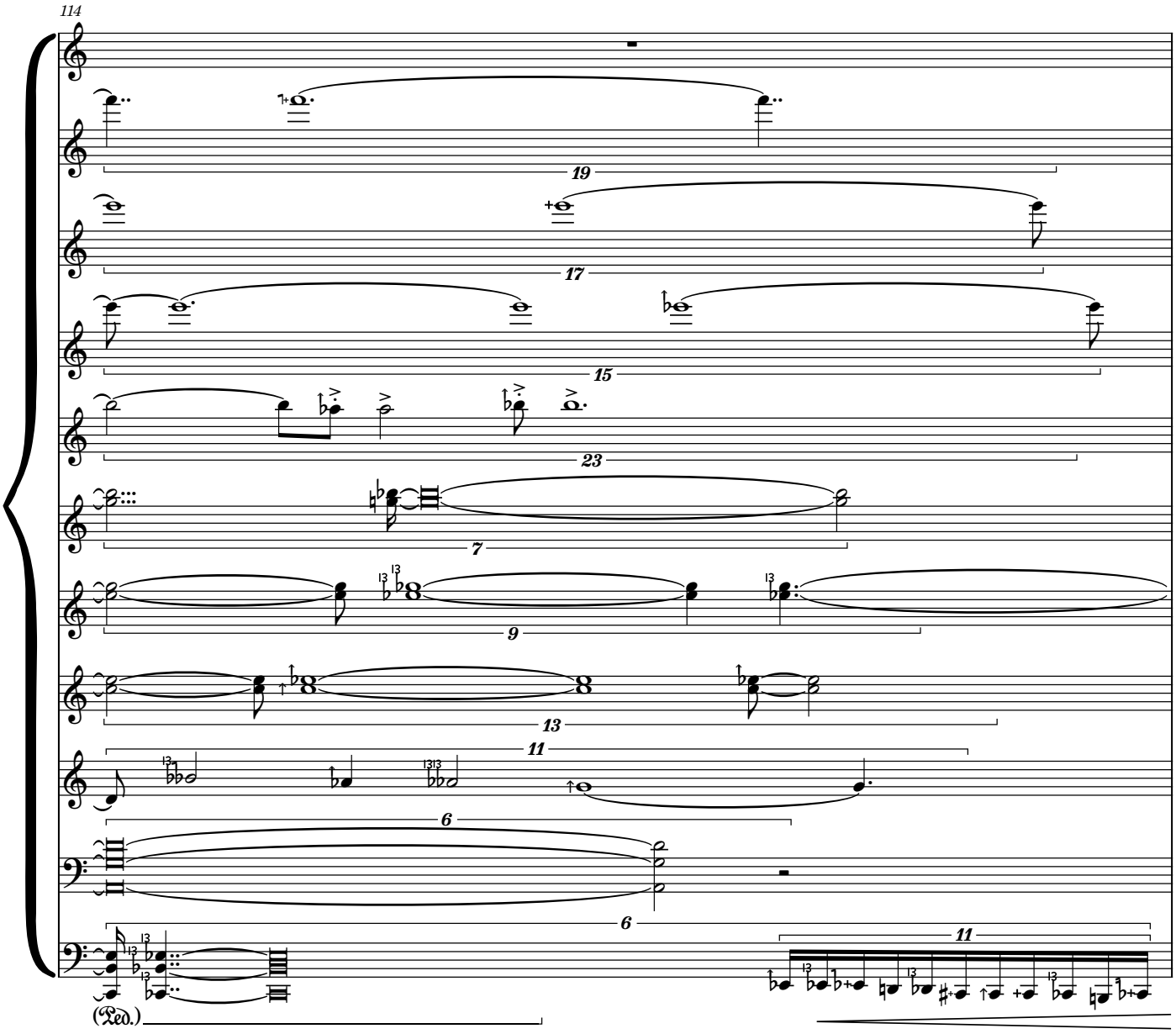

107
5
19
17
15
23
mp
7
9
13
11
6
6
(Ped.)

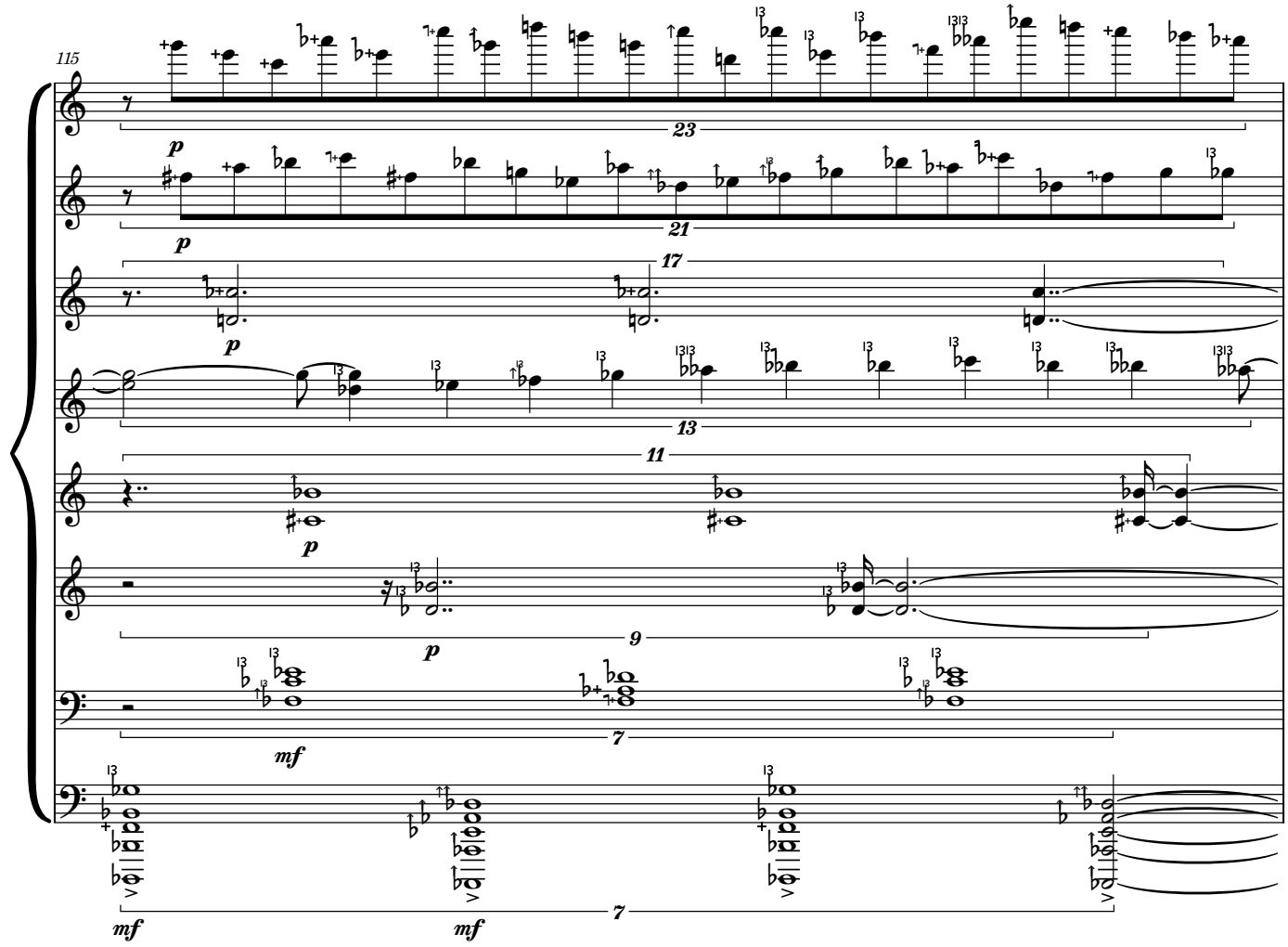

108
5
19
17
15
23
7
9
13
11
6
(Ped.)

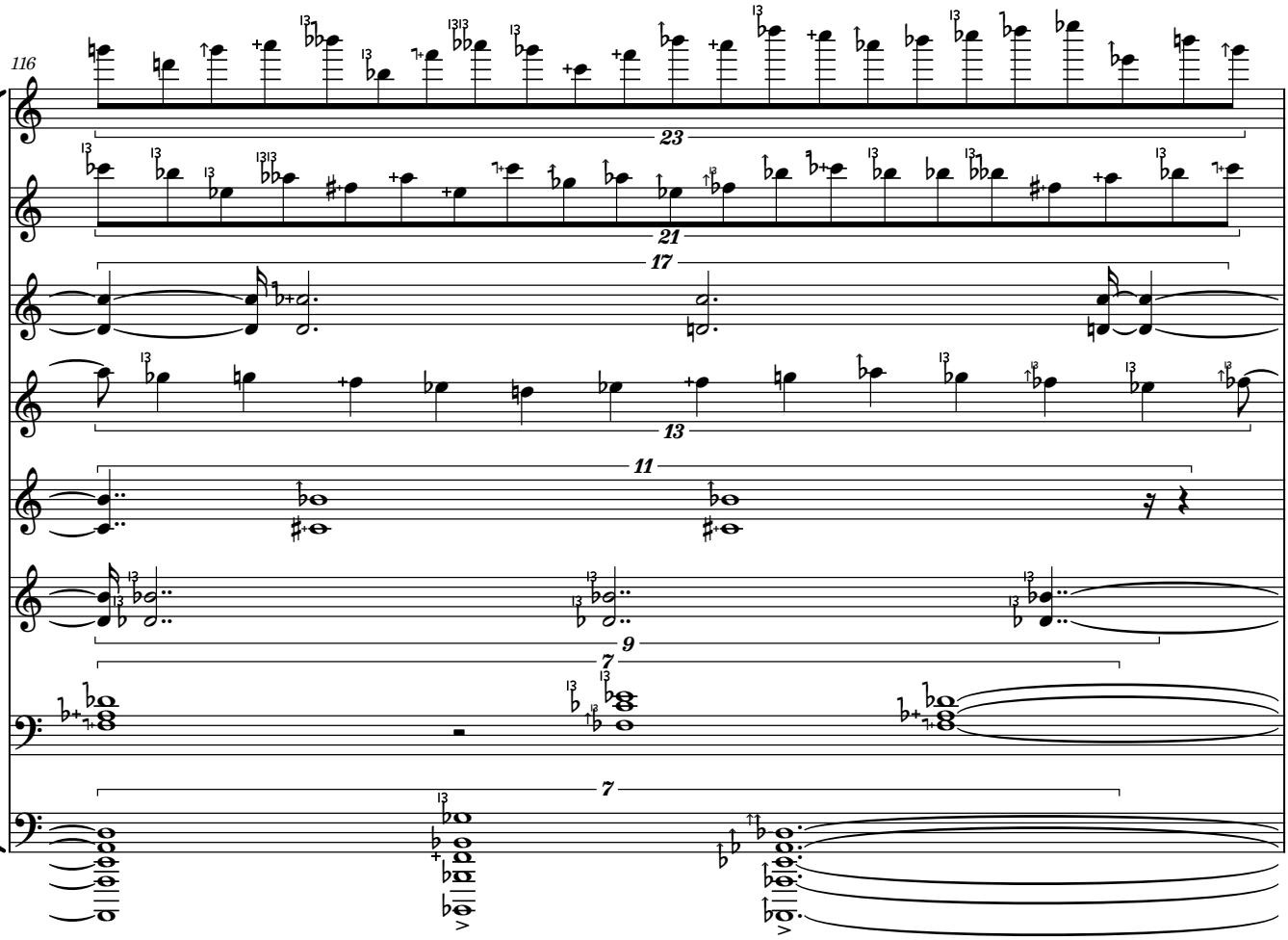

110
5
5
19
17
15
23
7
9
13
11
6
6
(Ped.)

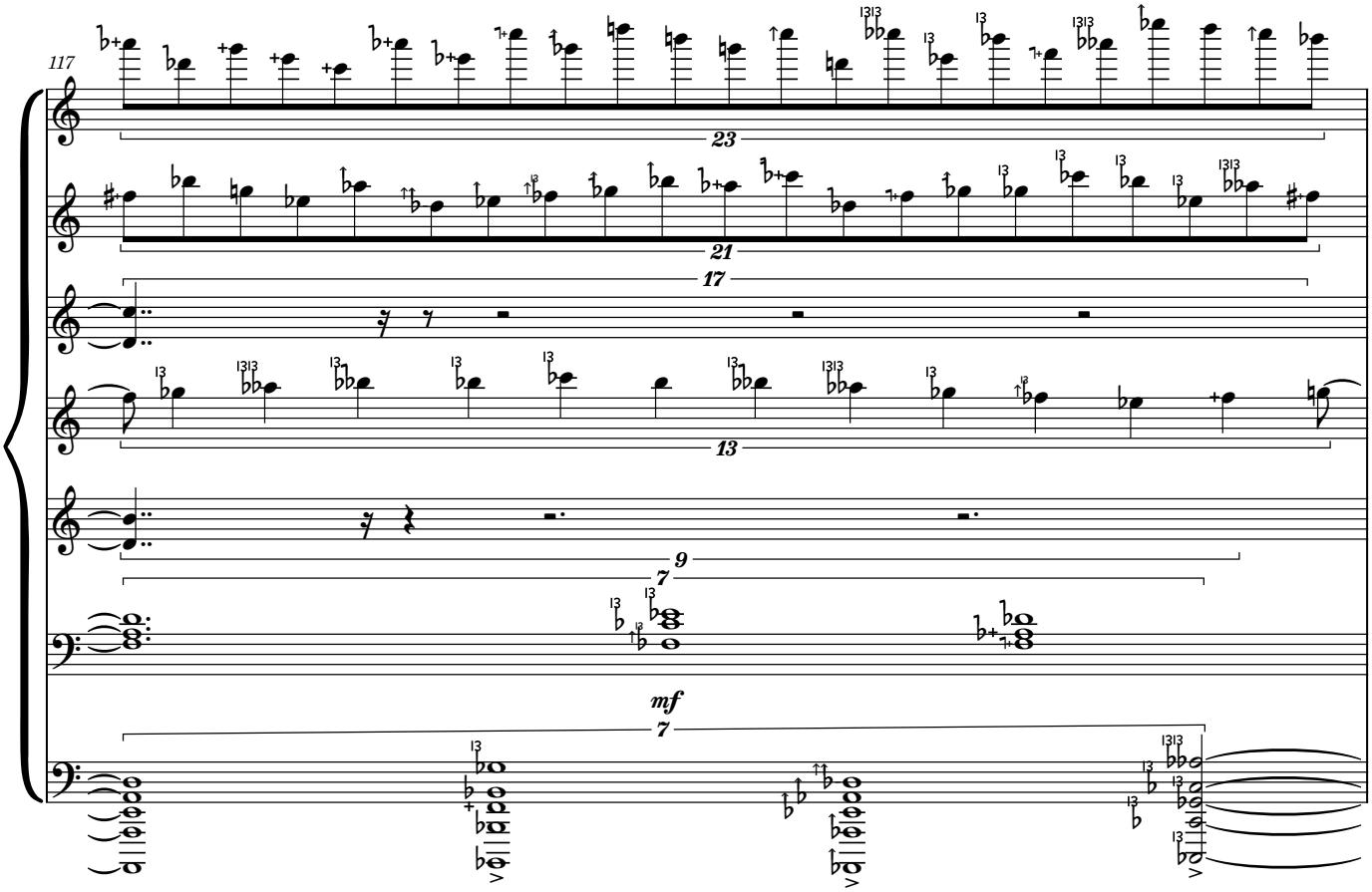

111
5
19
17
15
23
7
9
13
11
6
(Ped.)

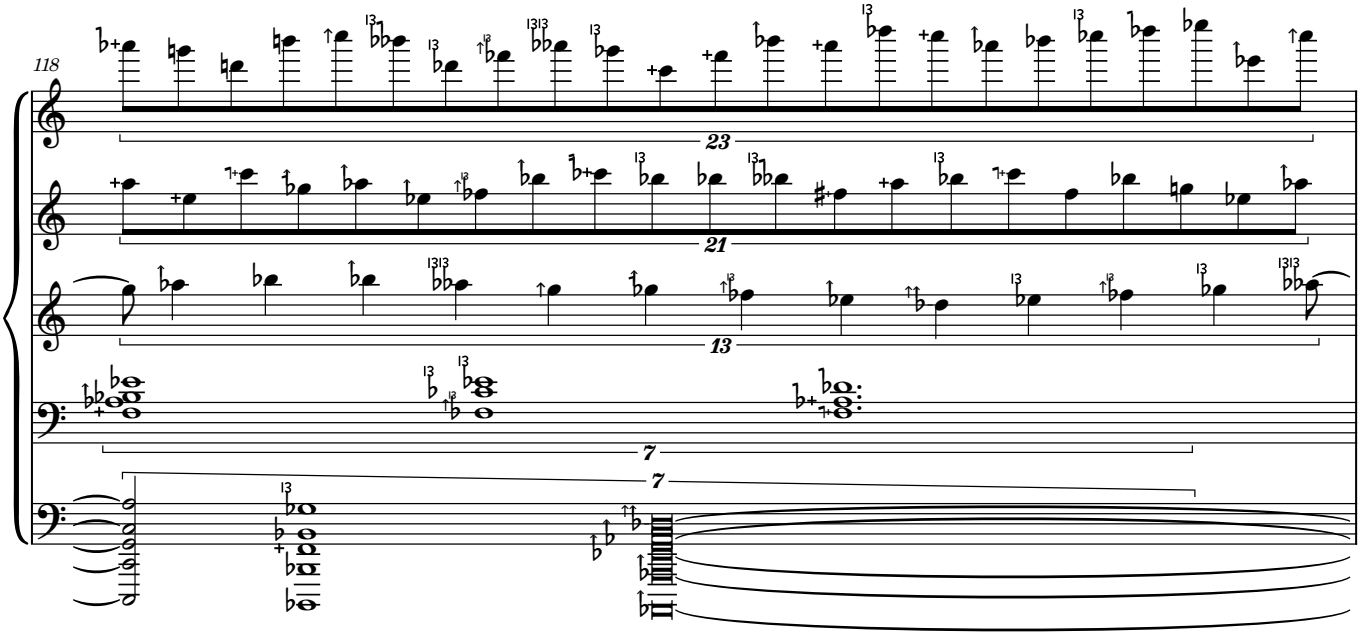

113
5
19
17
15
23
7
9
13
11
6
6
(Ped.)

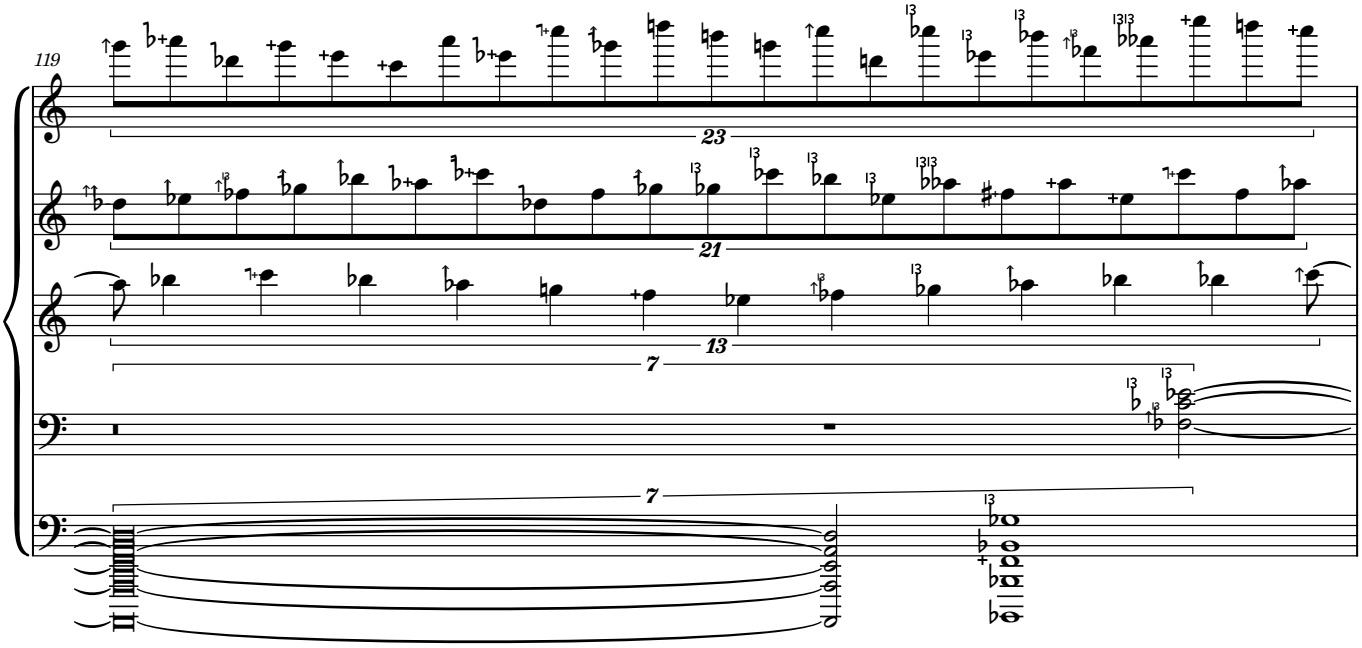

114
19
17
15
23
7
9
13
11
6
6
11
(Ped.)

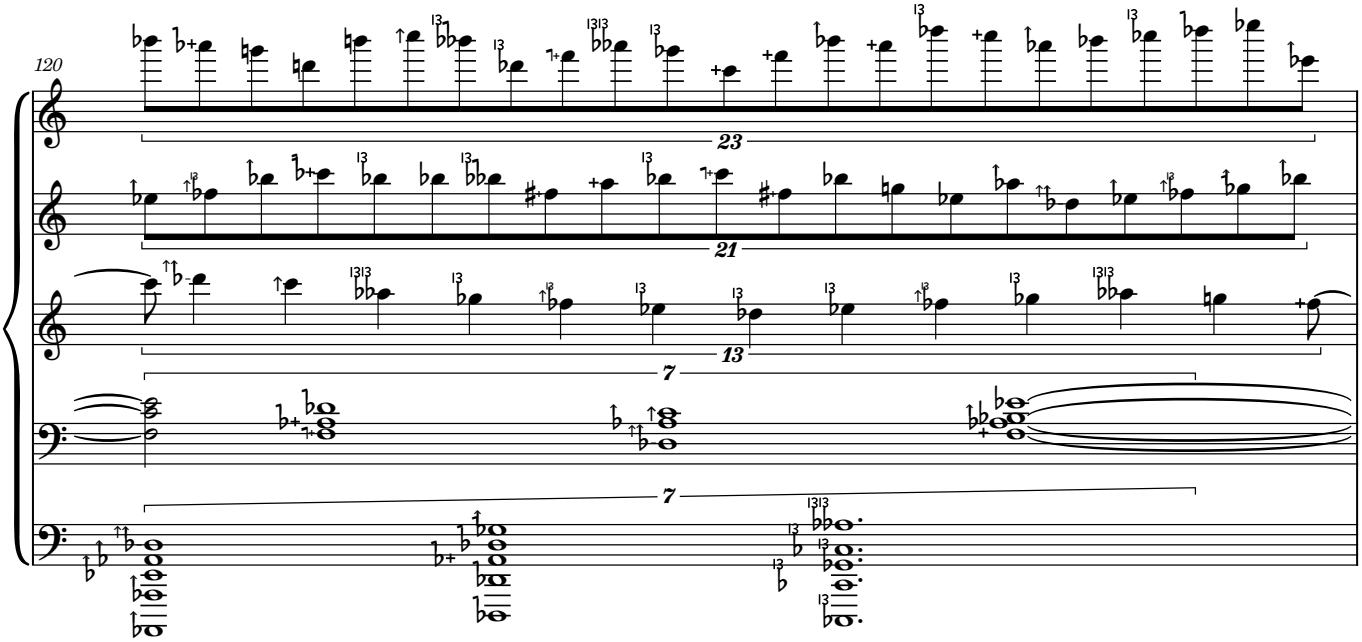

115
23
p
21
p
17
p
13
11
p
9
p
7
mf
7
mf
mf

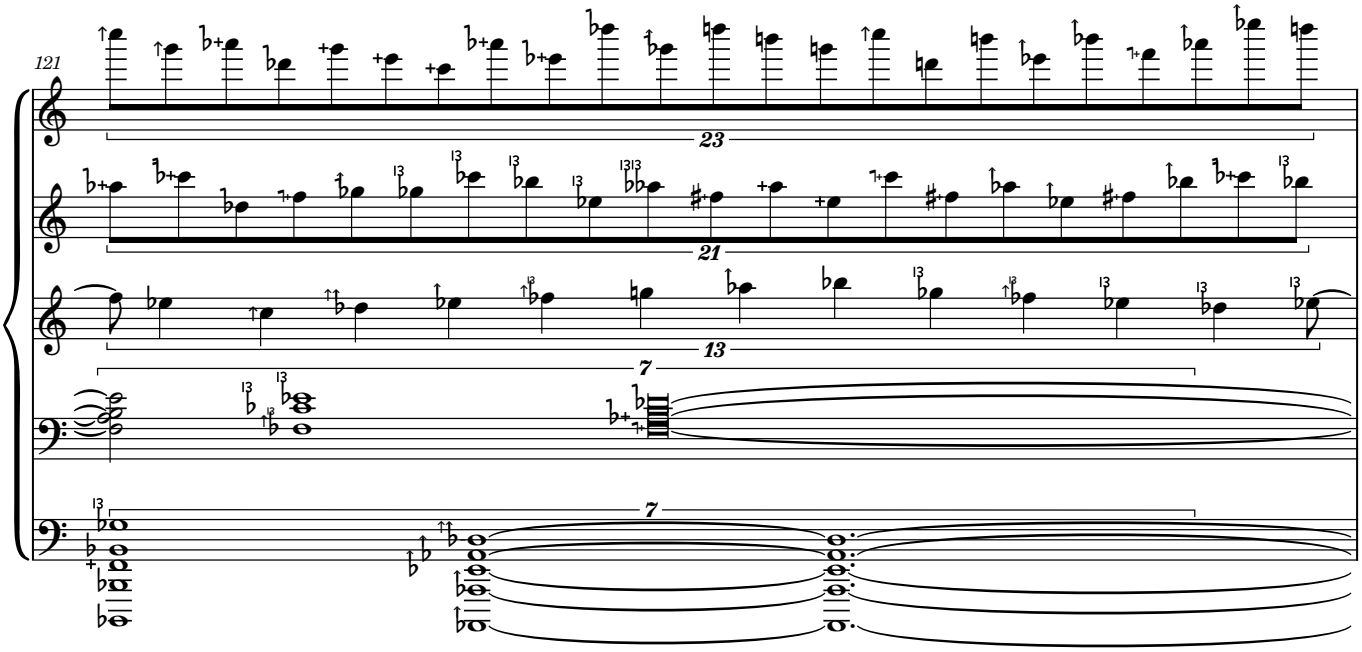

116
23
21
17
13
11
9
7
7

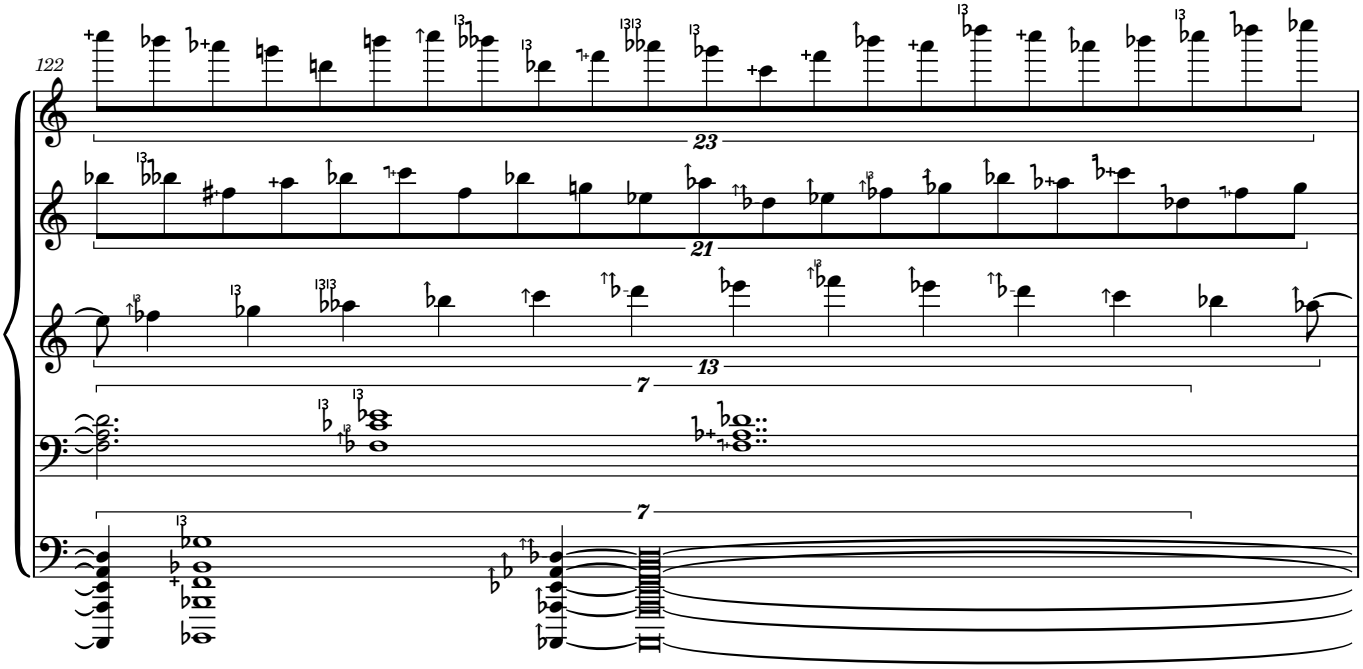

117
23
21
17
13
9
7
mf
7

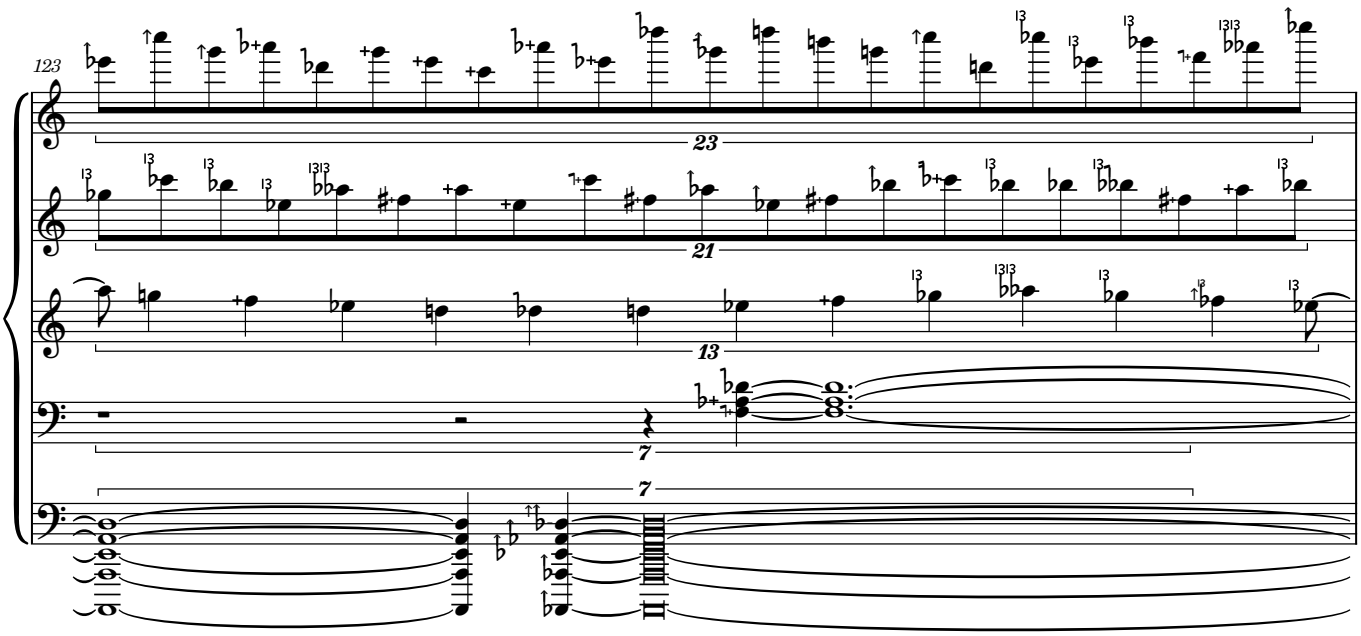

118
23
21
13
7
7

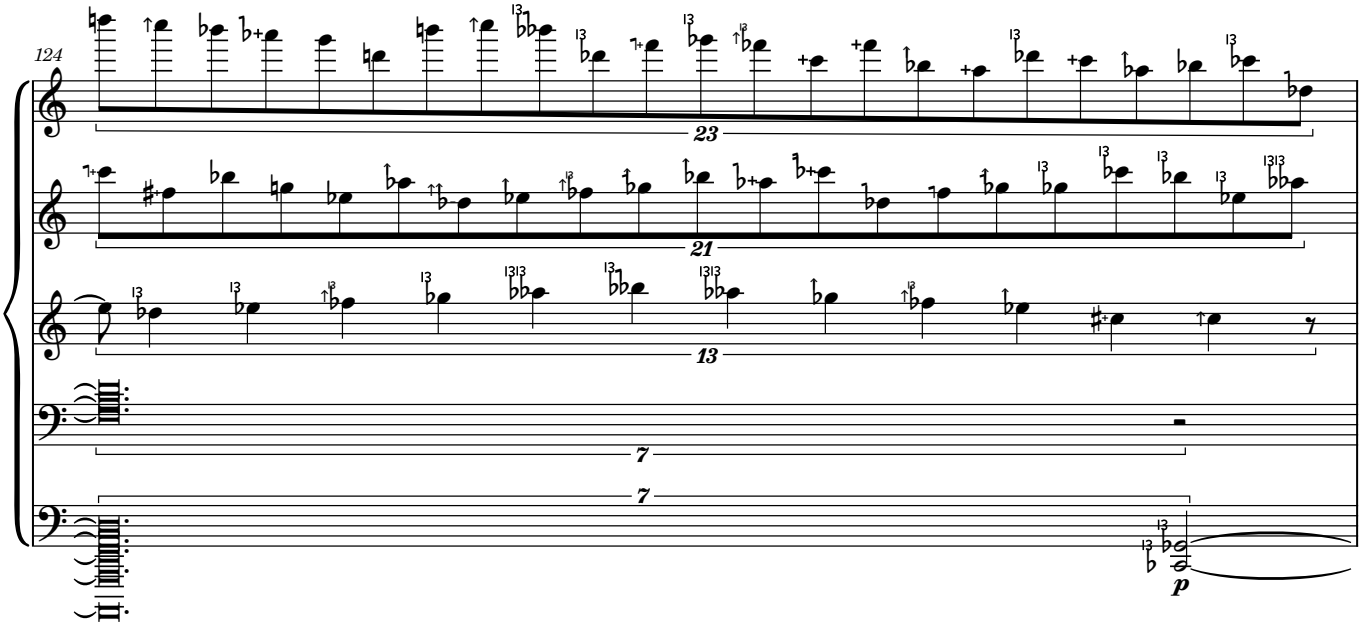

119
23
21
13
7
7

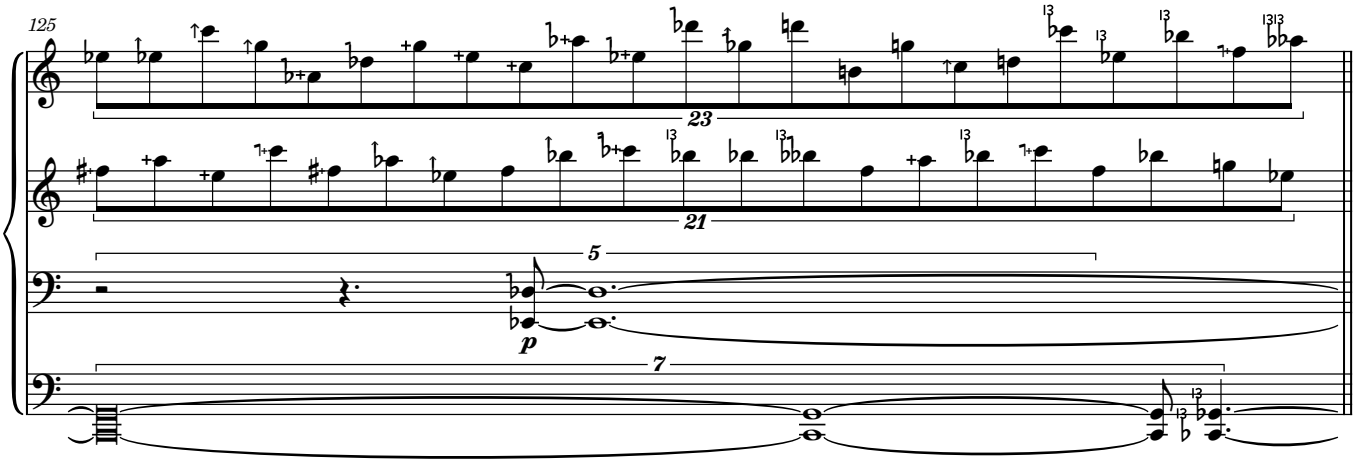

120
23
21
13
7
7
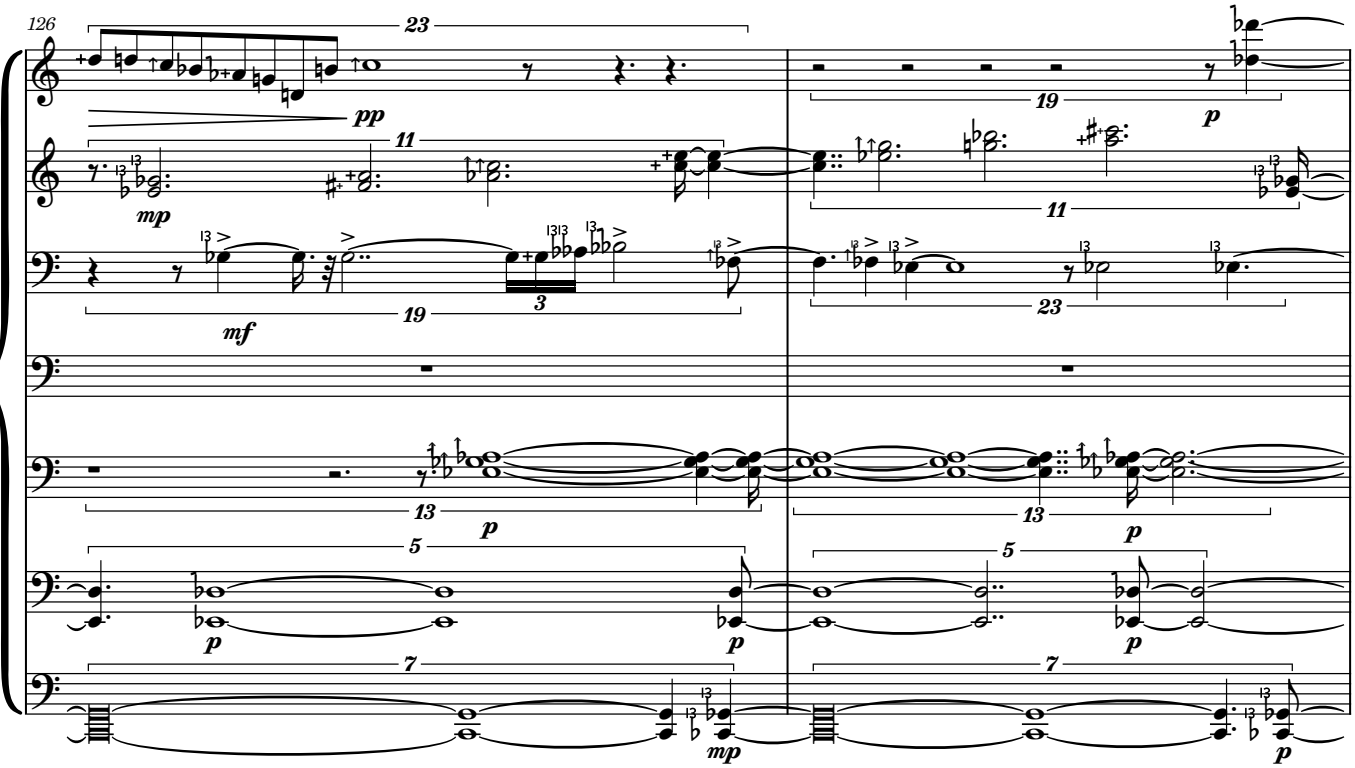

121
23
21
13
7
7

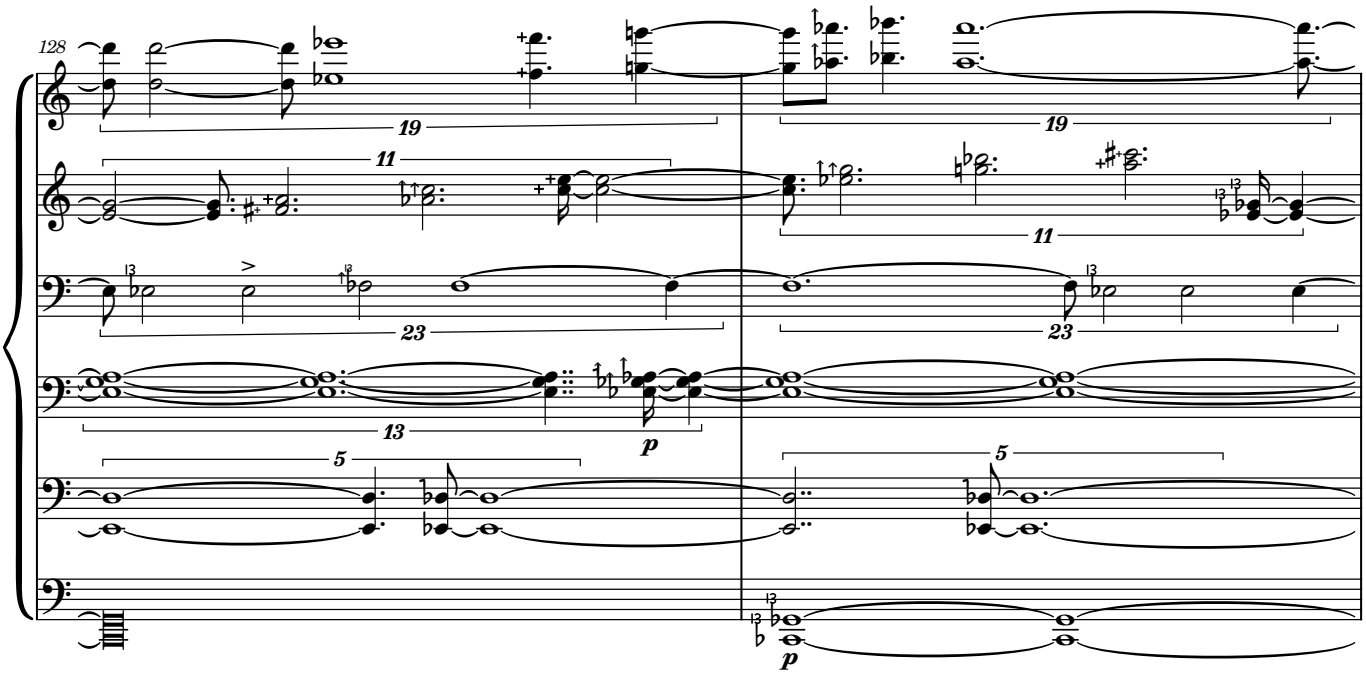

122
23
21
13
7
7
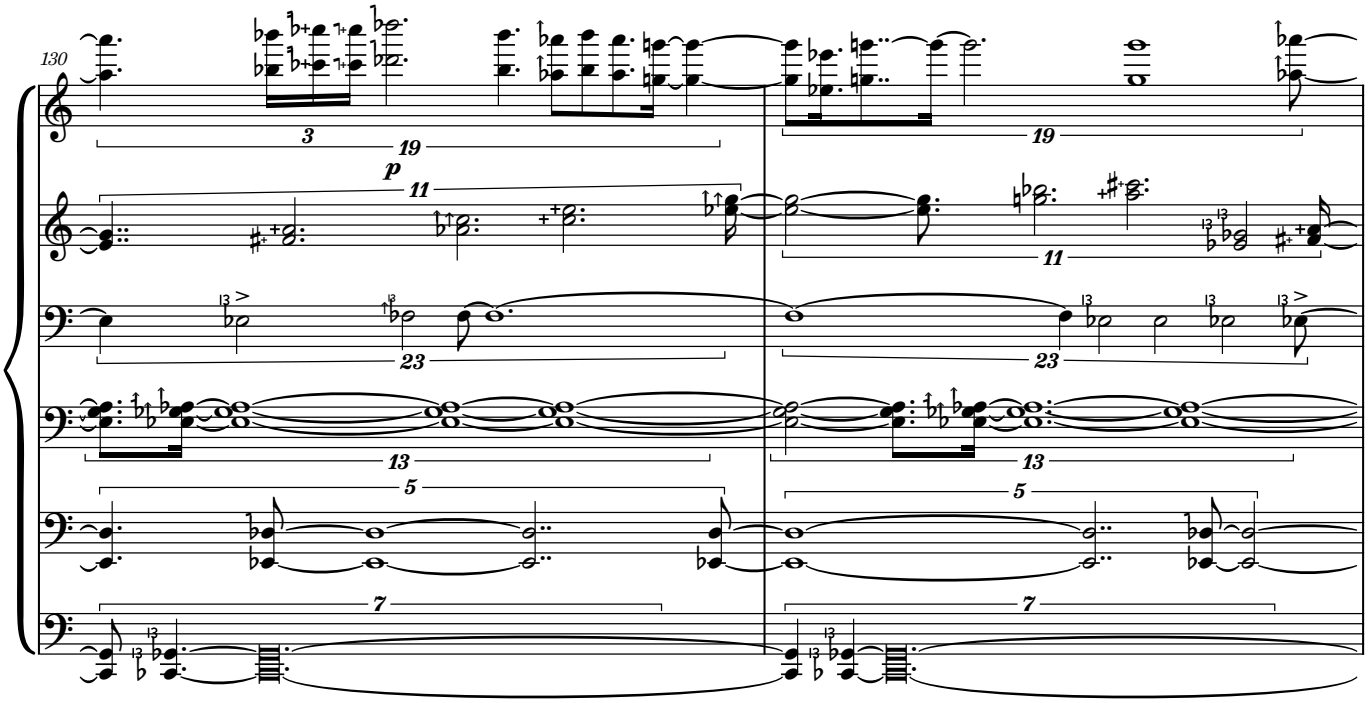

123
23
21
13
7
7

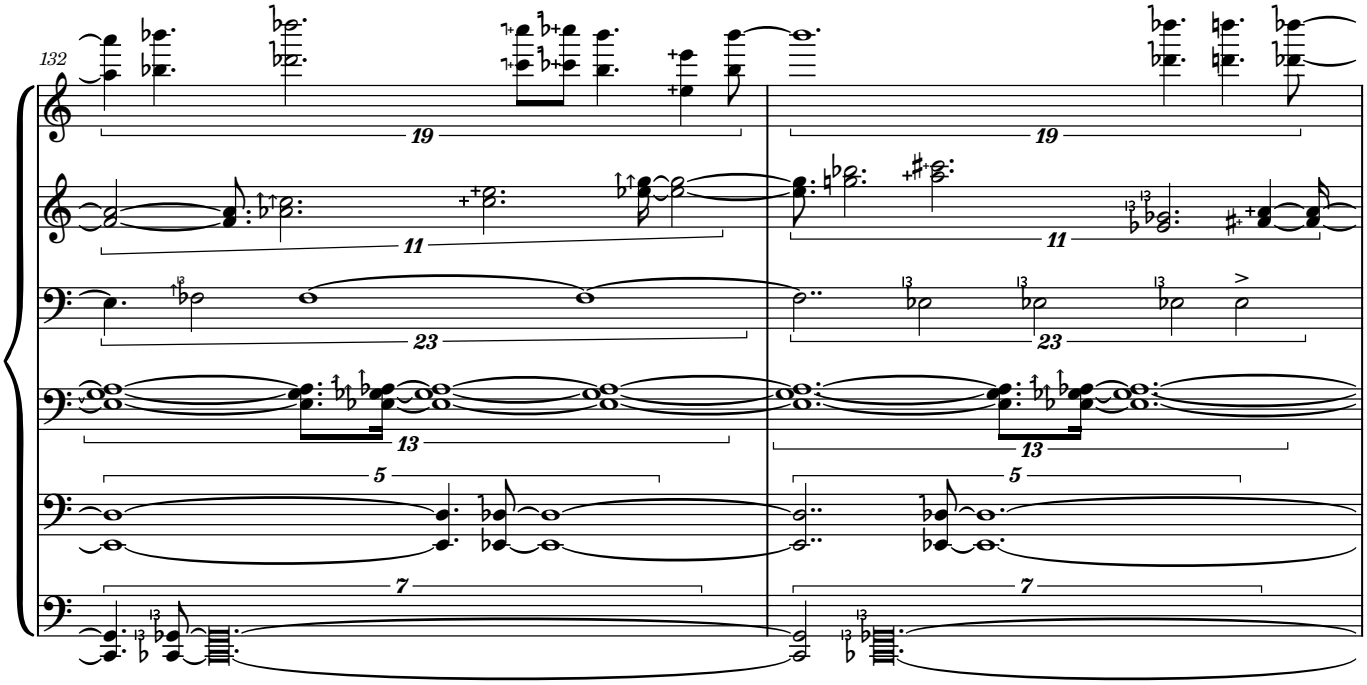

124
23
21
13
7
7
p
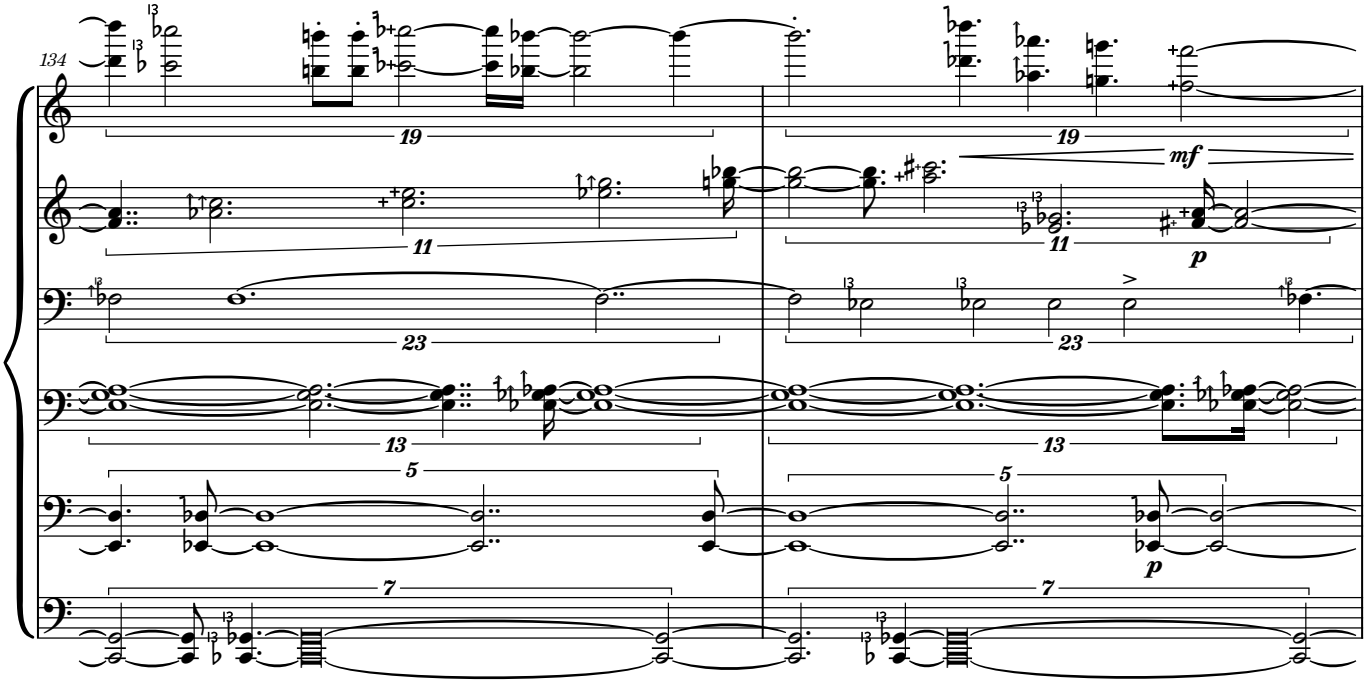

125
23
21
5
p
7
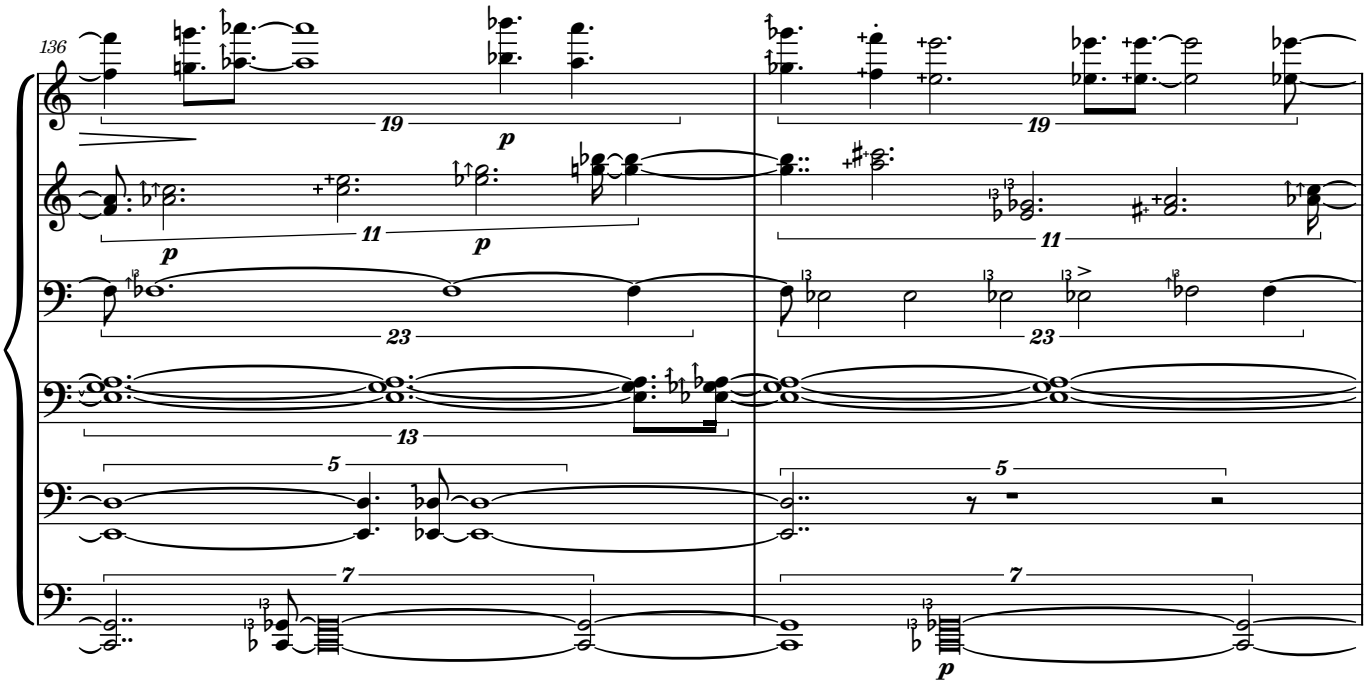

126
23
pp
11
mp
19
mf
3
13
p
5
p
7
mp
19
p
11
23
13
p
5
p
7
p
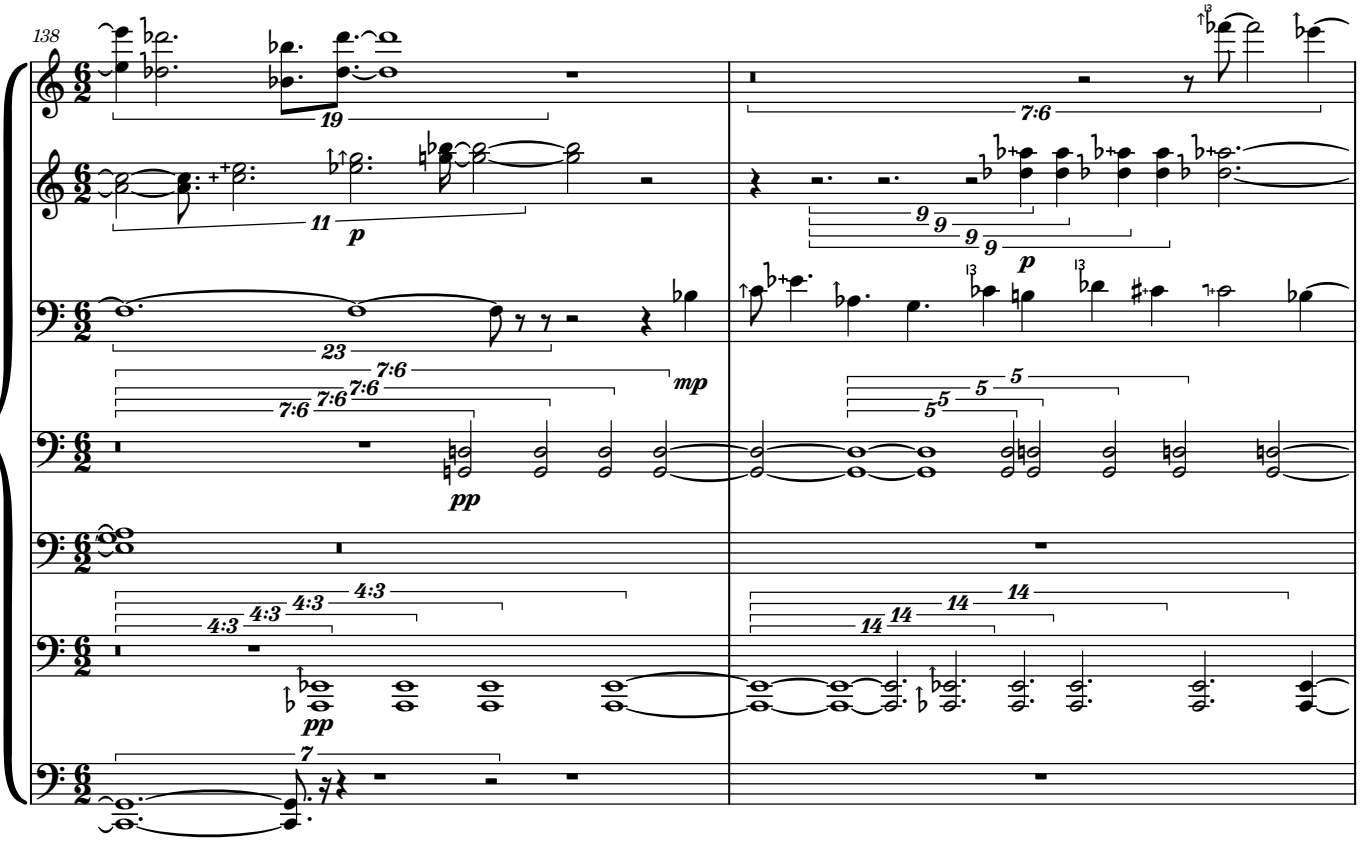

128
19
19
11
11
23
23
13
p
5
5
p

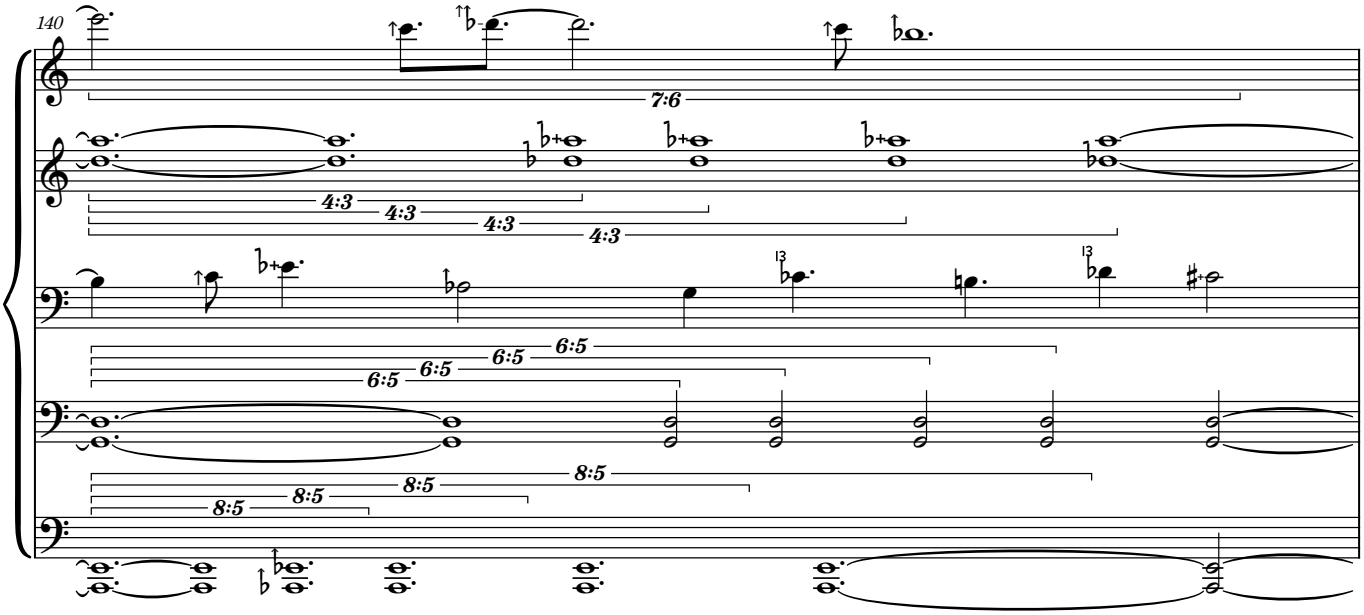

130
3
19
19
p
11
11
23
23
13
13
5
5
7
7

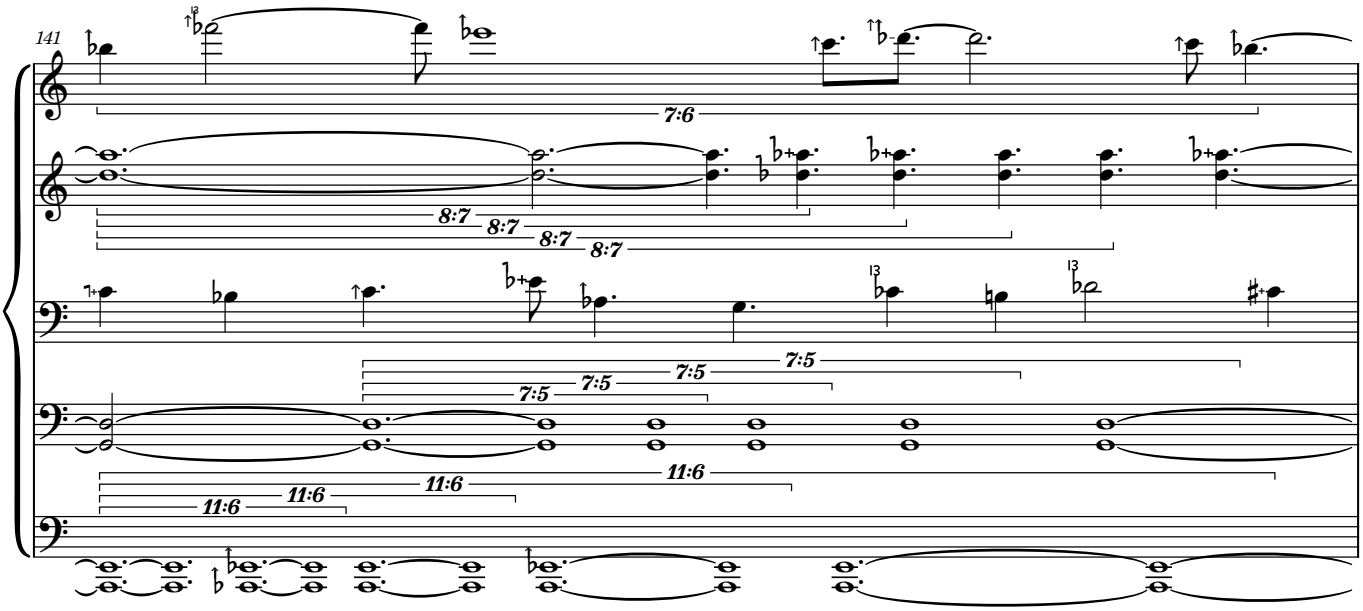

132
19
11
23
13
5
7

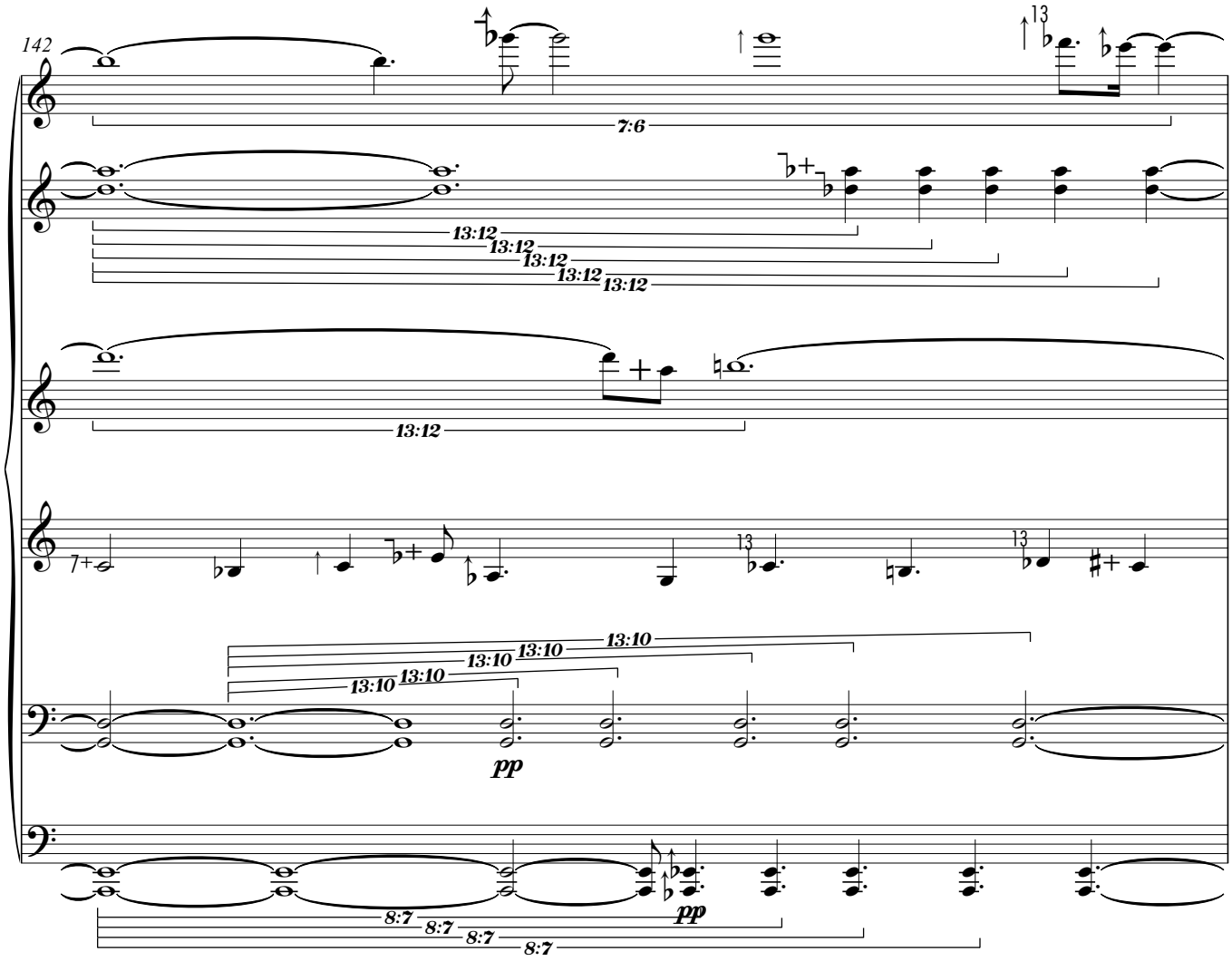

134
19
mf
11
p
23
13
5
7

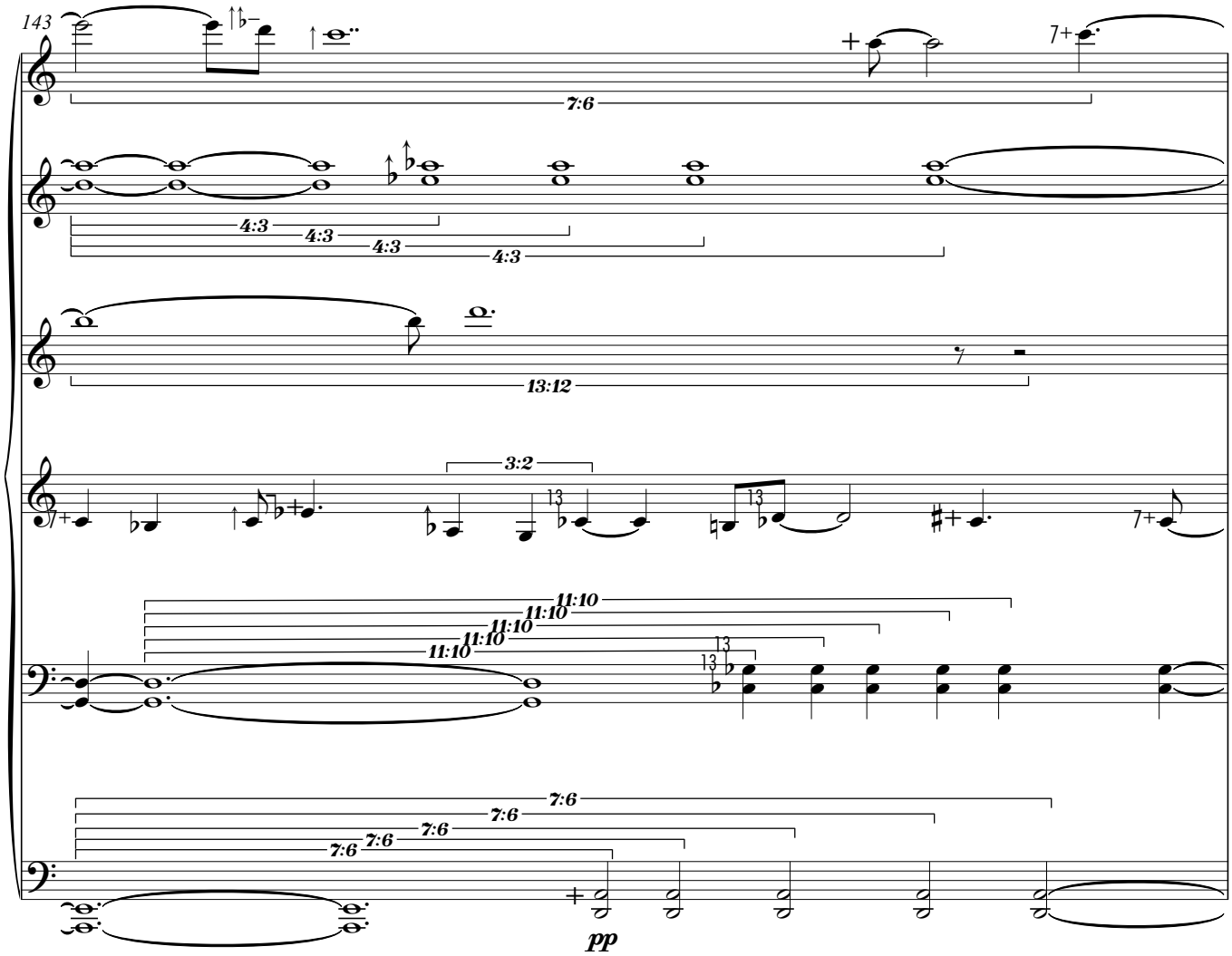

136
19
p
11
23
13
5
7

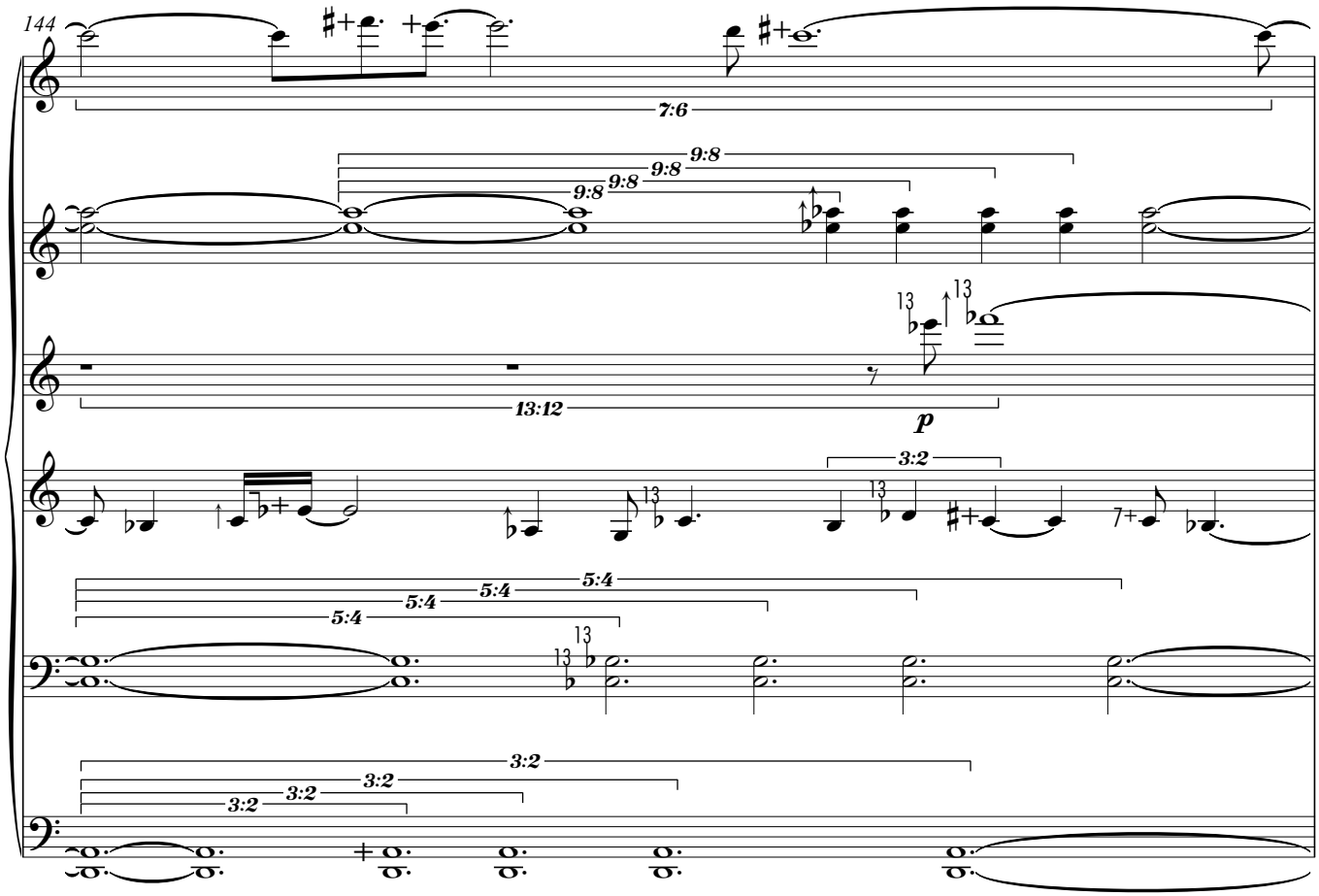

138
19
11
p
23
7:6
mp
pp
5
9
4:3
14
7

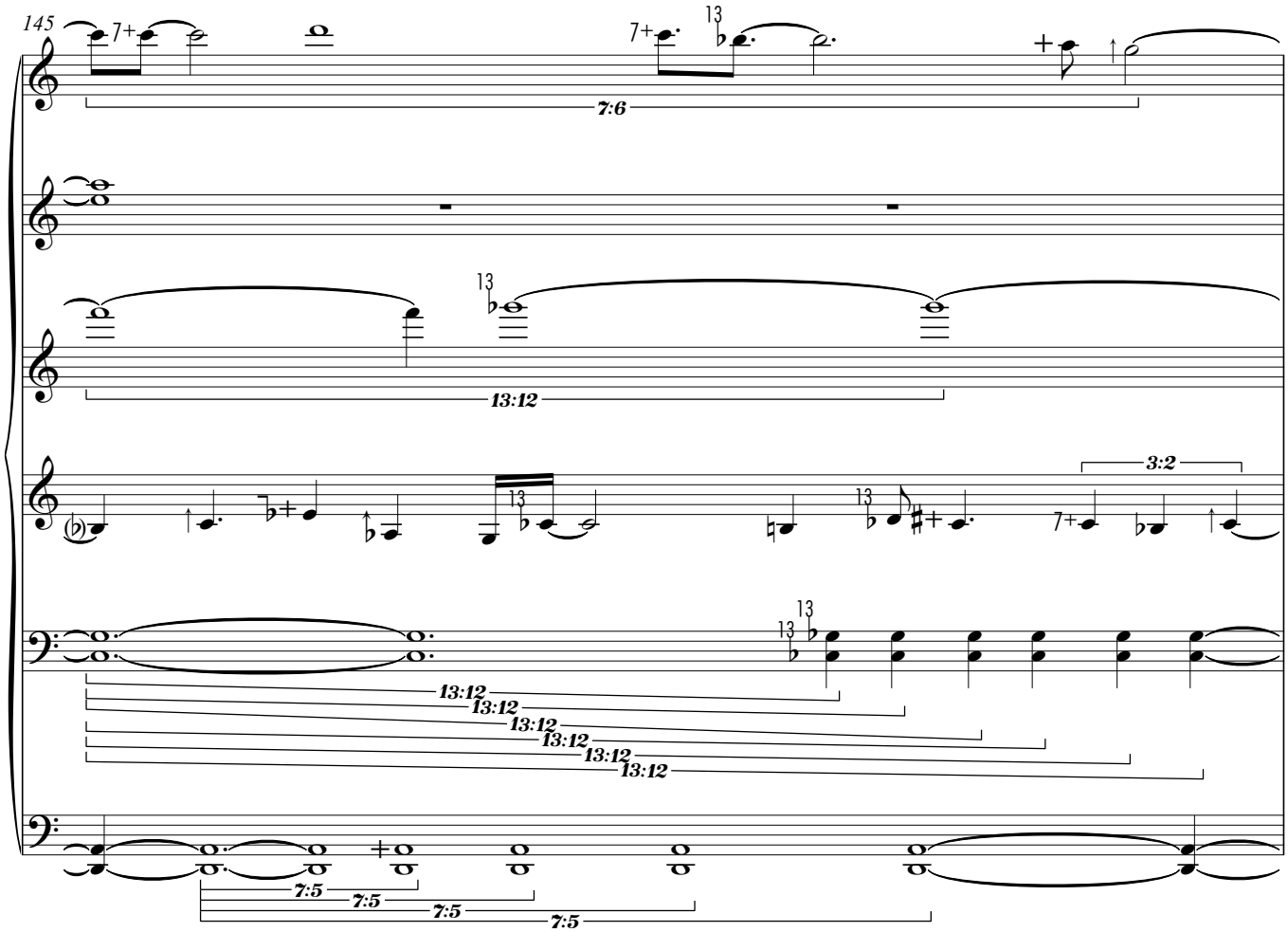

140
7:6
4:3
4:3
4:3
4:3
6:5
6:5
6:5
6:5
8:5
8:5
8:5
8:5
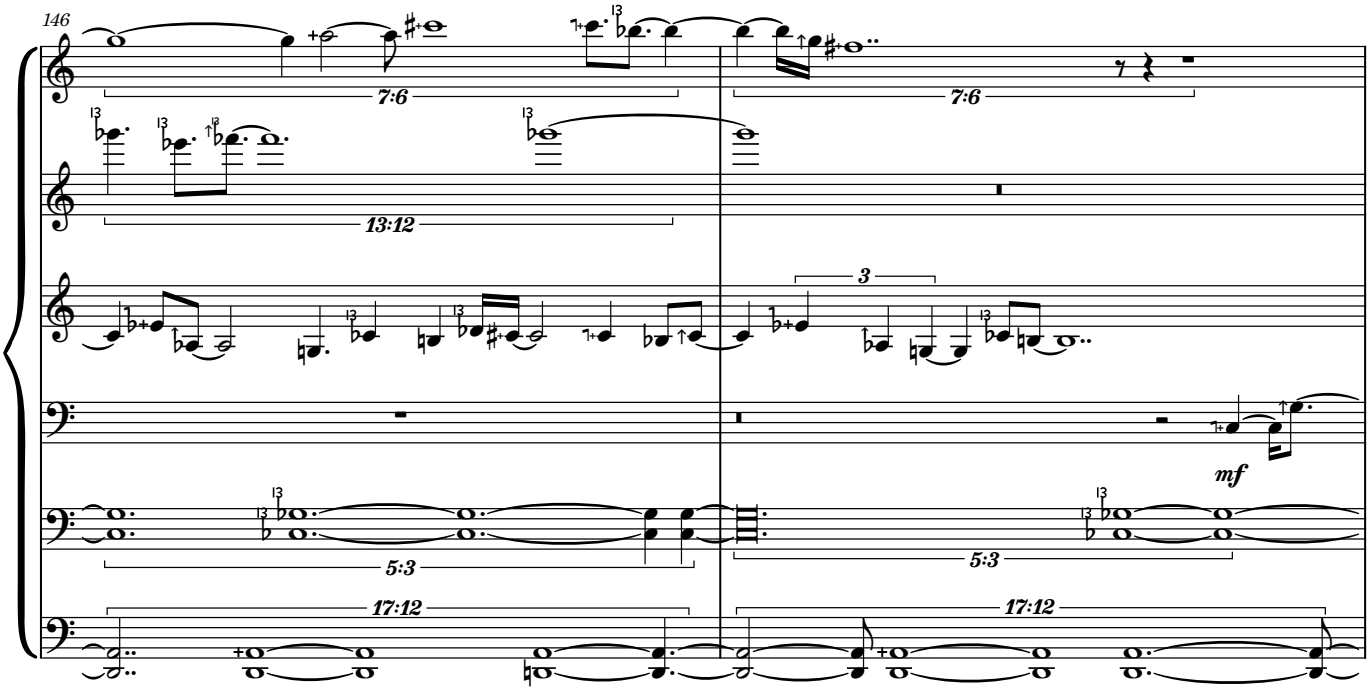

141
7:6
8:7
8:7
8:7
8:7
7:5
7:5
7:5
7:5
11:6
11:6
11:6
11:6

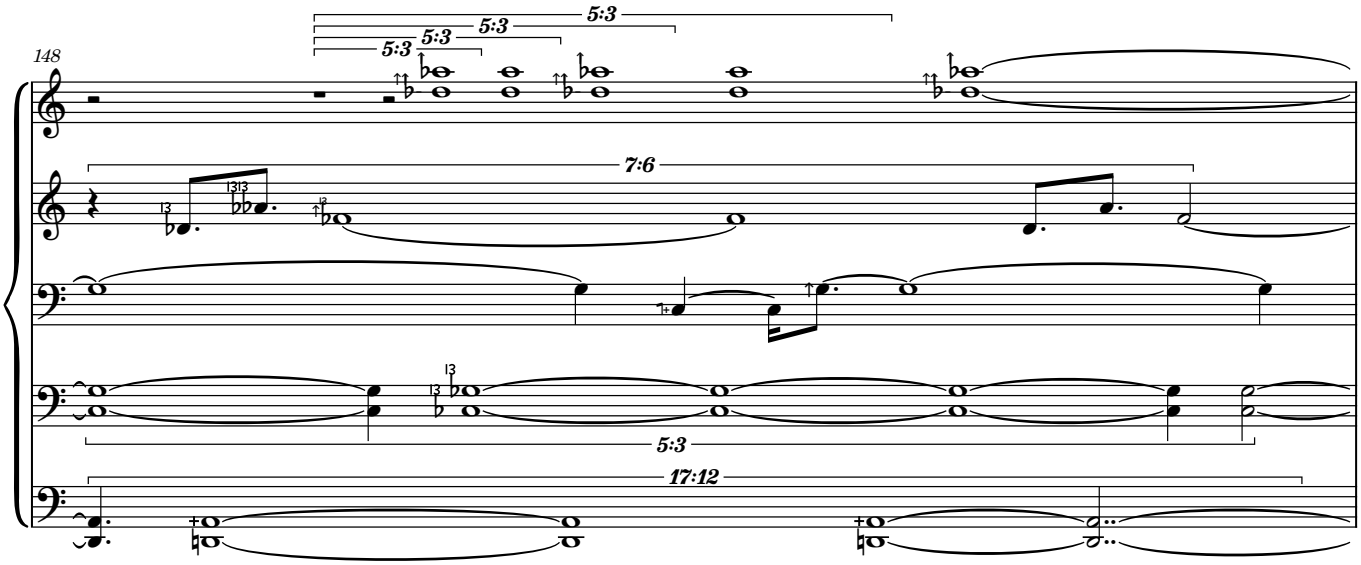

142
7:6
13:12
13:12
13:12
13:12
13:12
13:12
13:10
13:10
13:10
13:10
13:10
pp
8:7
8:7
8:7
8:7
pp

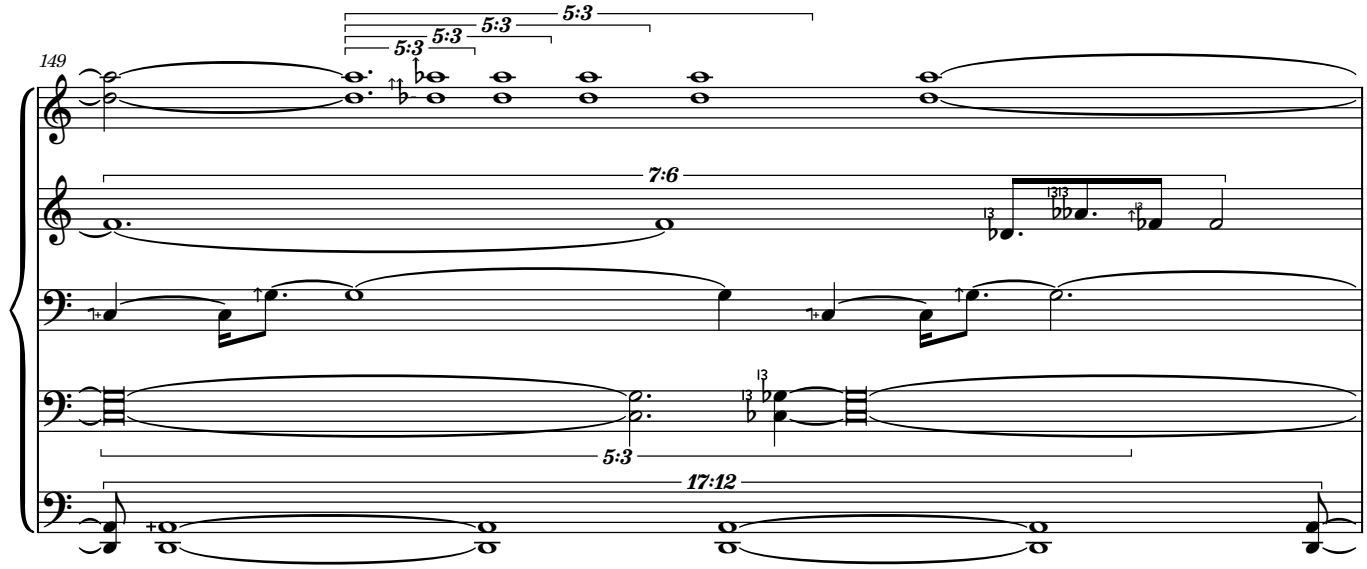

143
7:6
4:3
4:3
4:3
4:3
13:12
3:2
11:10
11:10
11:10
11:10
7:6
7:6
7:6
7:6
7:6
pp
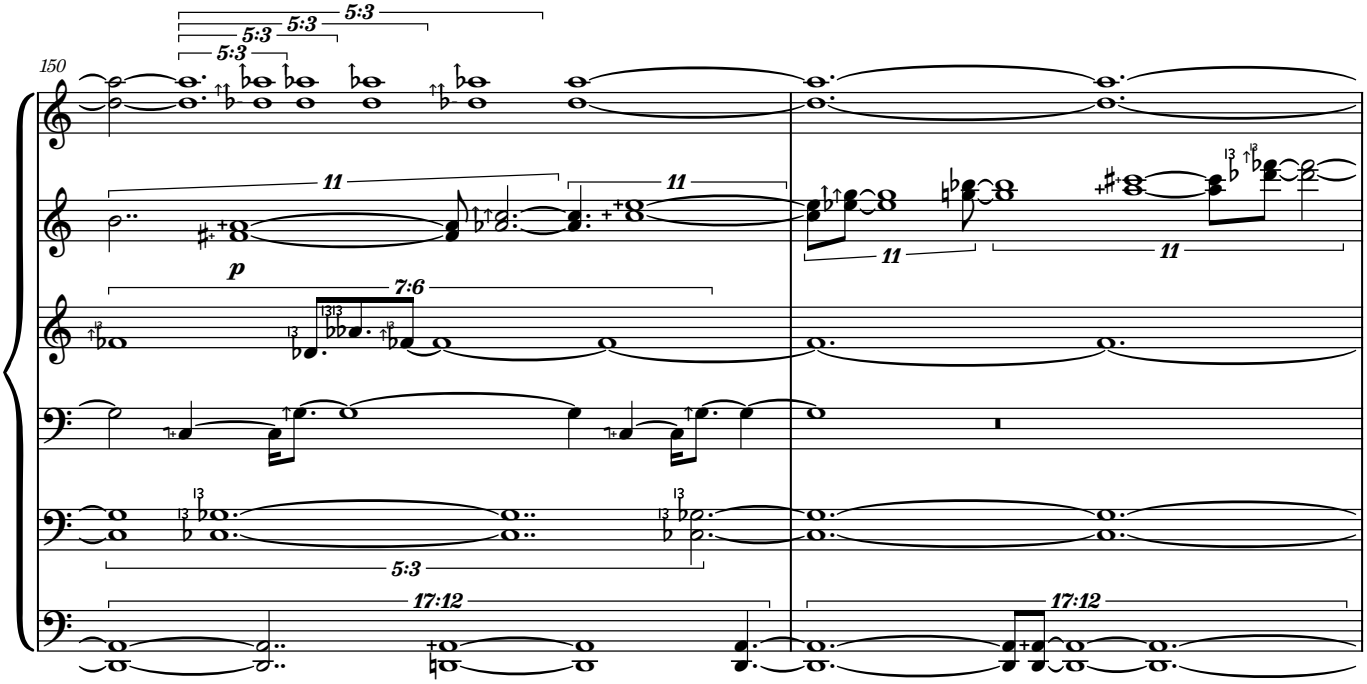

144
7:6
9:8
9:8
9:8
9:8
13:12
p
3:2
5:4
5:4
5:4
5:4
3:2
3:2
3:2
3:2

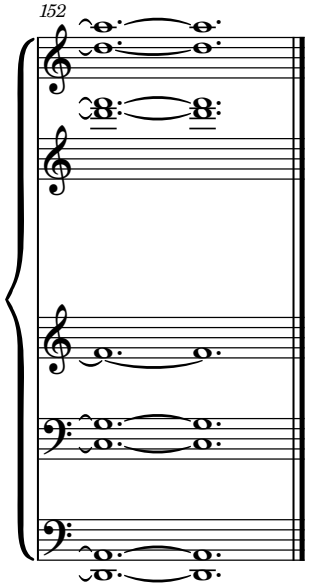

145
7+
7+
13
7:6
13
13:12
3:2
7+
13
13
13:12
13:12
13:12
13:12
13:12
13:12
7:5
7:5
7:5
7:5


146
7:6
7:6
13:12
3
mf
5:3
5:3
17:12
17:12


148
5:3
5:3
5:3
5:3
7:6
5:3
17:12


149
5:3
5:3
5:3
5:3
7:6
5:3
17:12
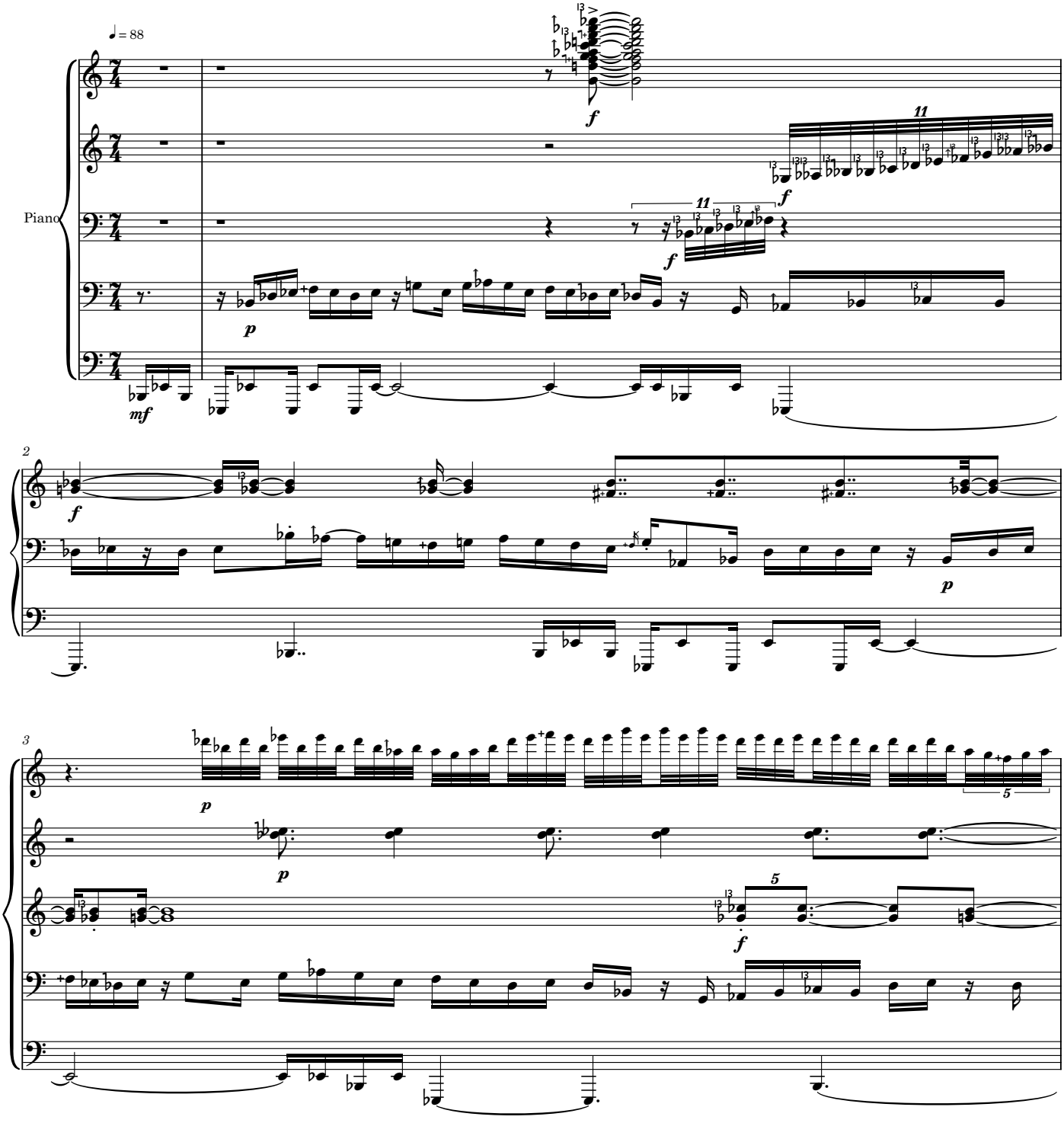

150
5:3
5:3
5:3
5:3
11
11
11
11
p
7:6
5:3
17:12
17:12
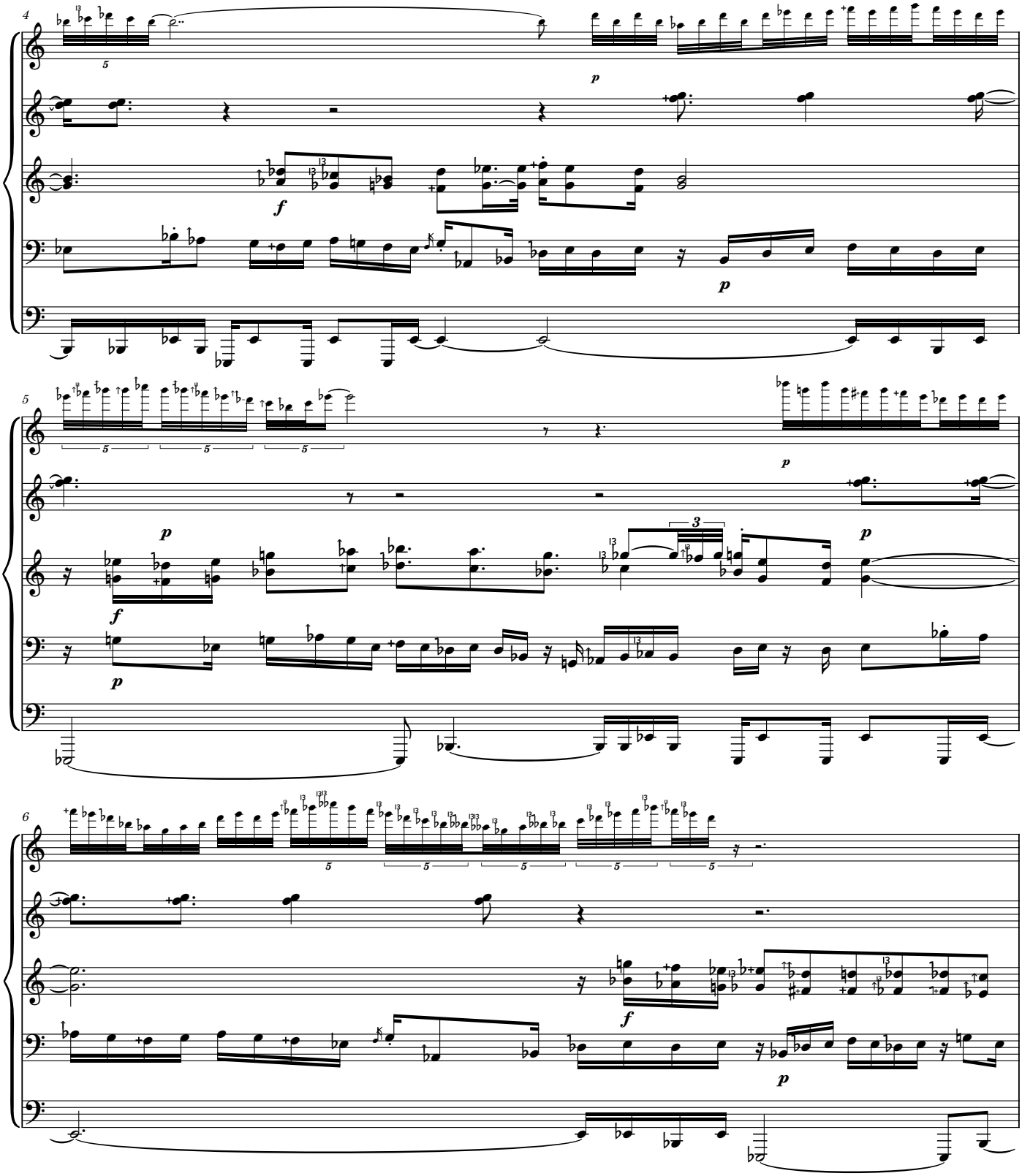


July 10 - August 20, 2016
Lightly revised July 18, 2017
Germantown, NY
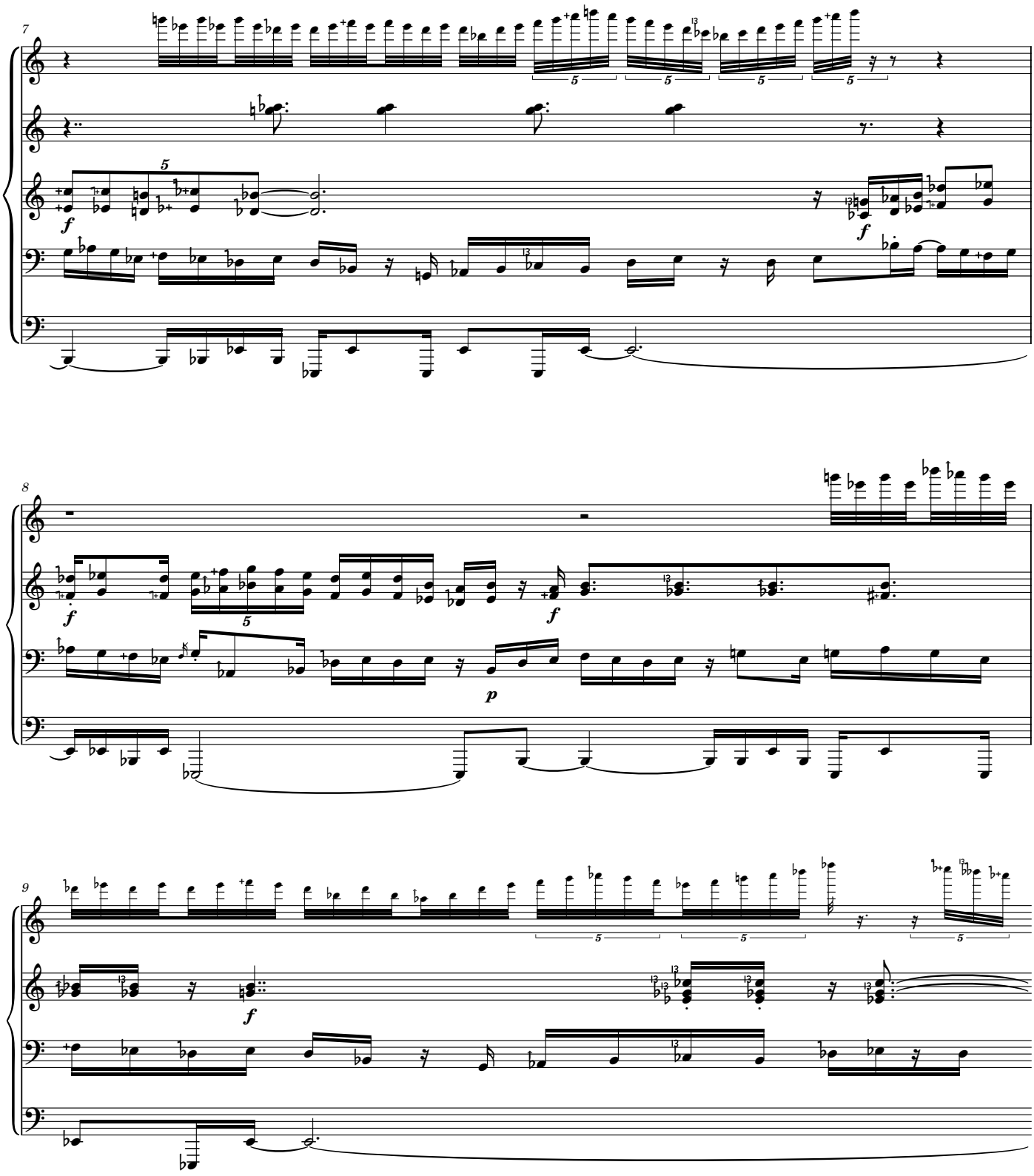
Galactic Jamboree

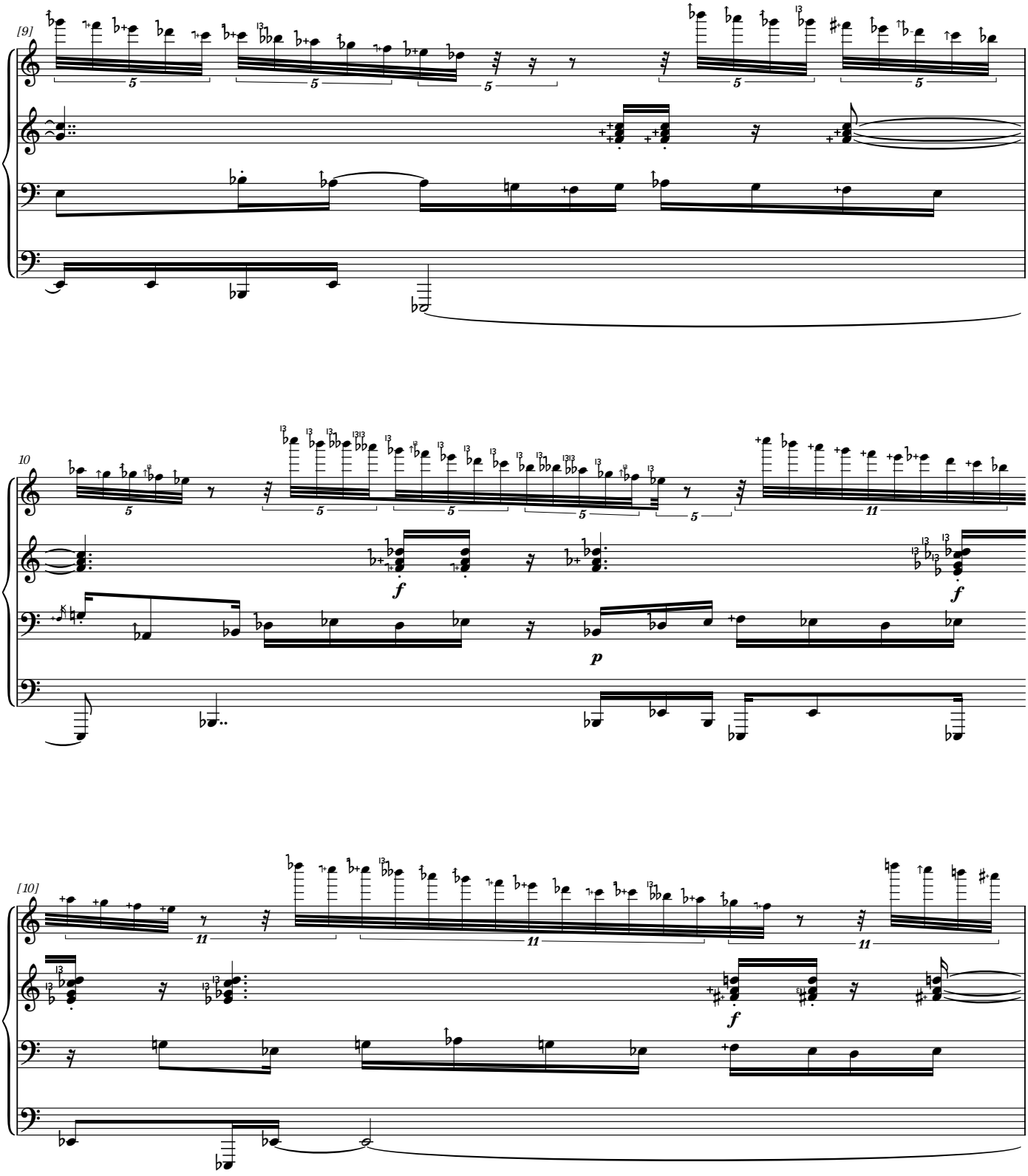
Kyle Gann
2016
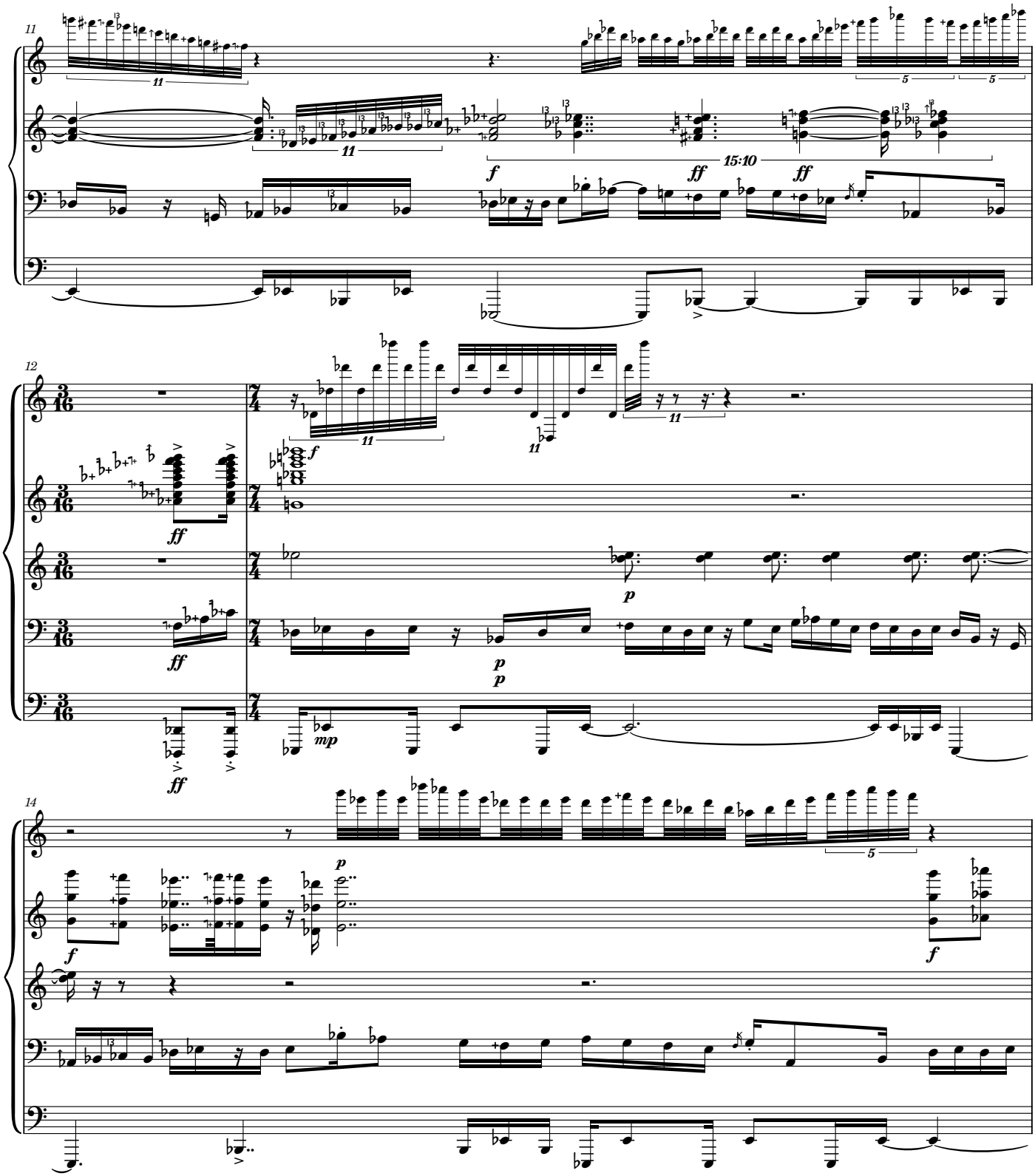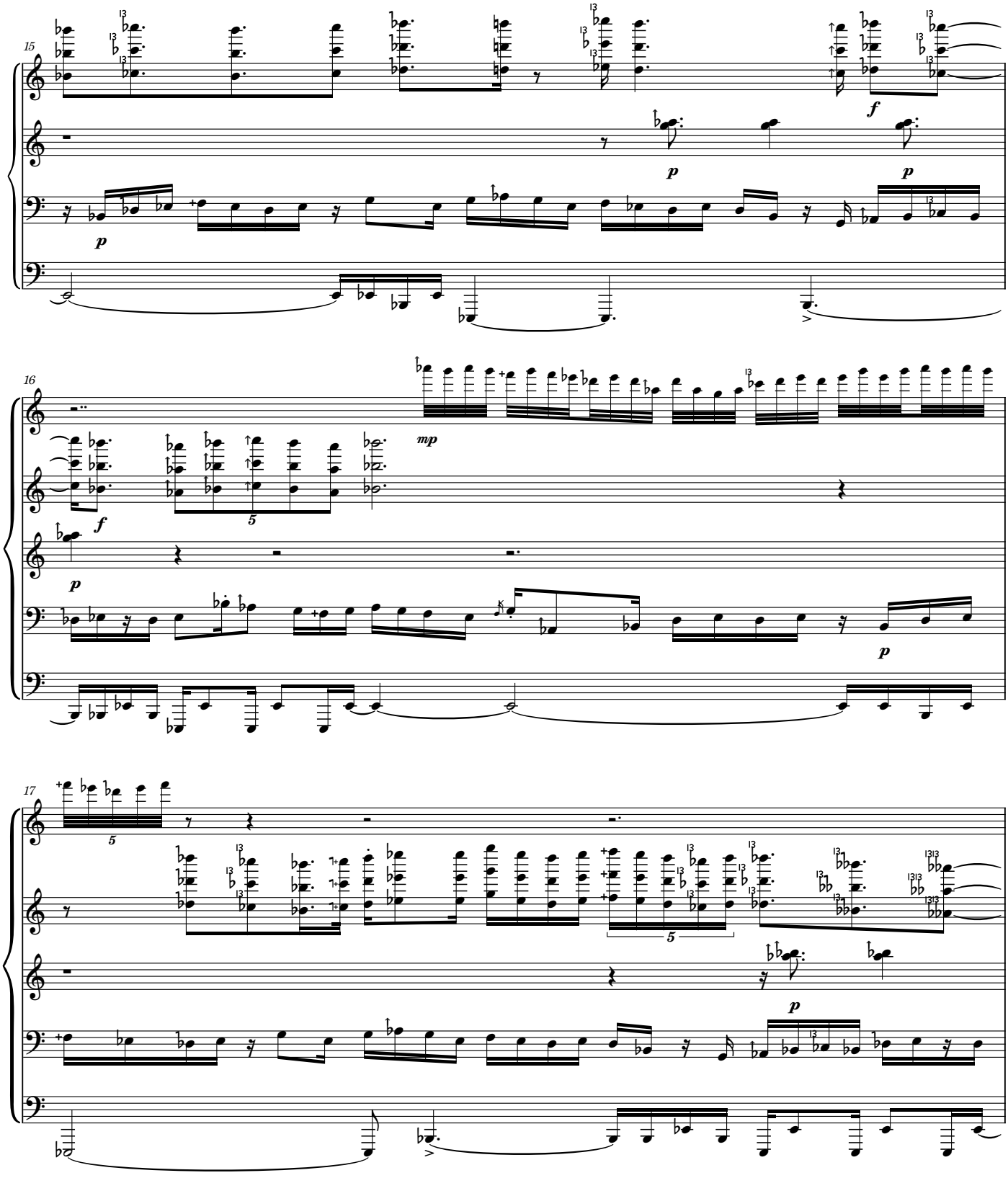


© 2016 Smith Grabholz Music

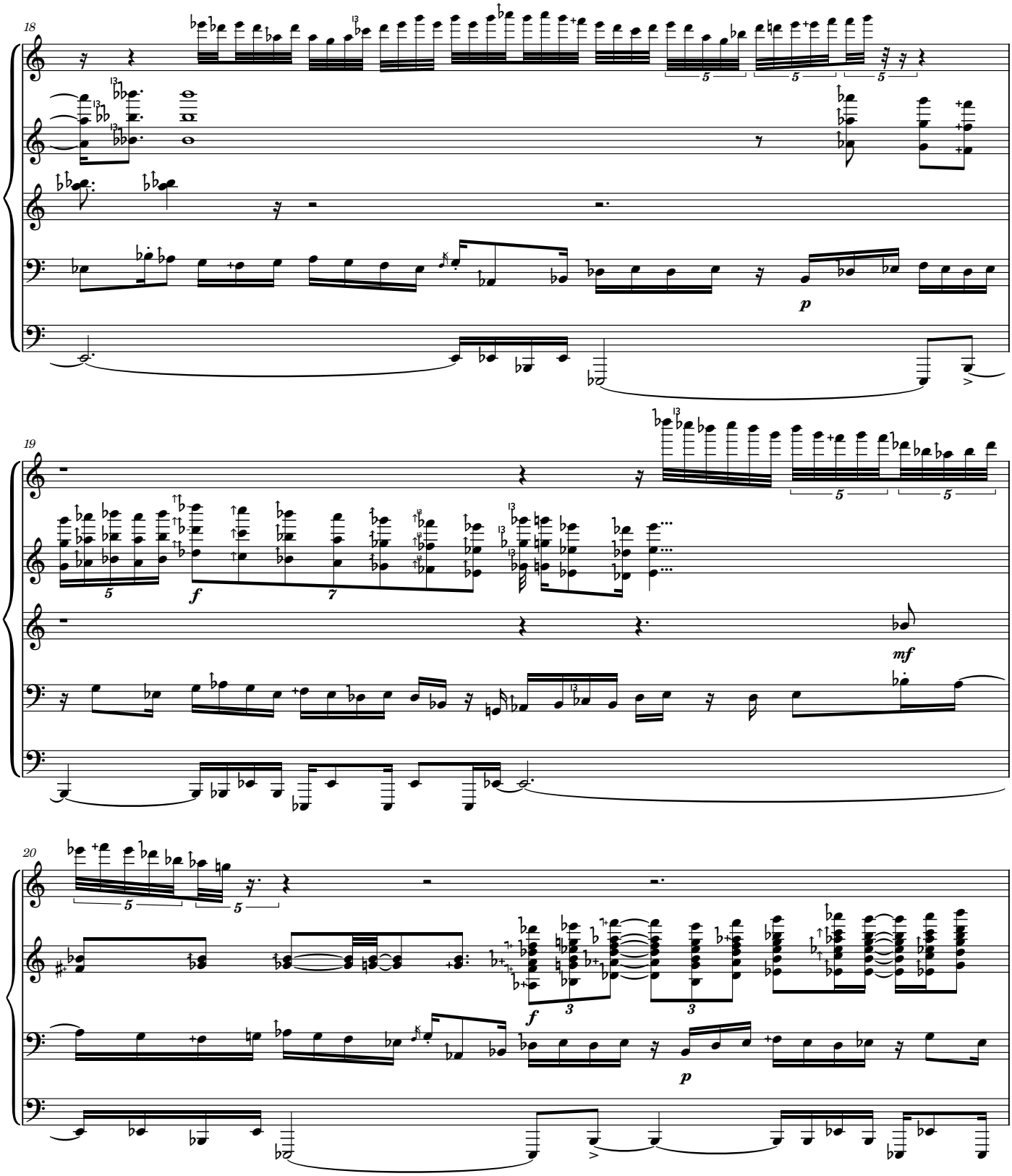

4
5
6
p
f
3

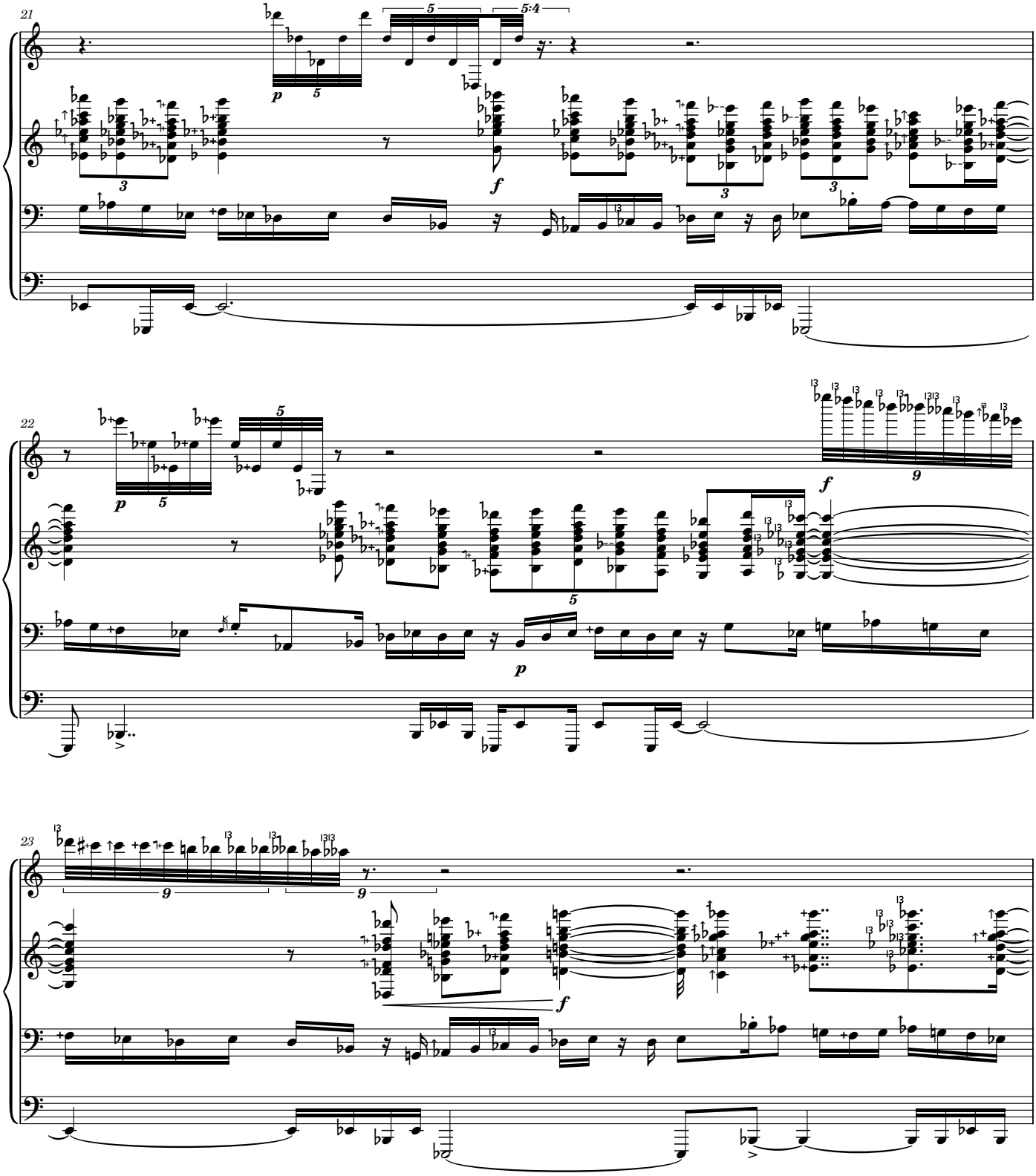

7
8
9
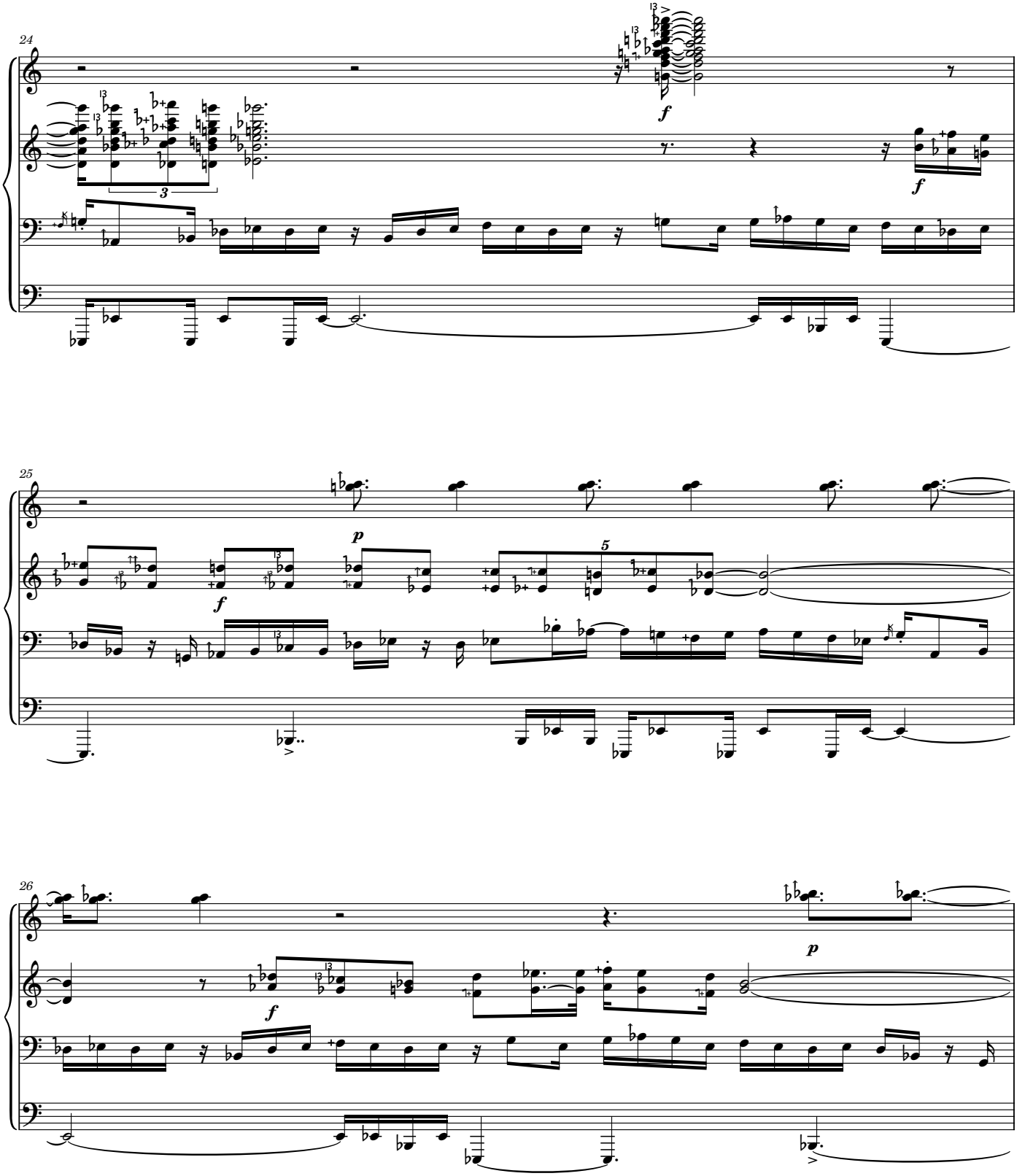

[9]
5
5
5
5
5
10
5
5
5
5
5
11
f
p
f
[10]
11
11
11
f
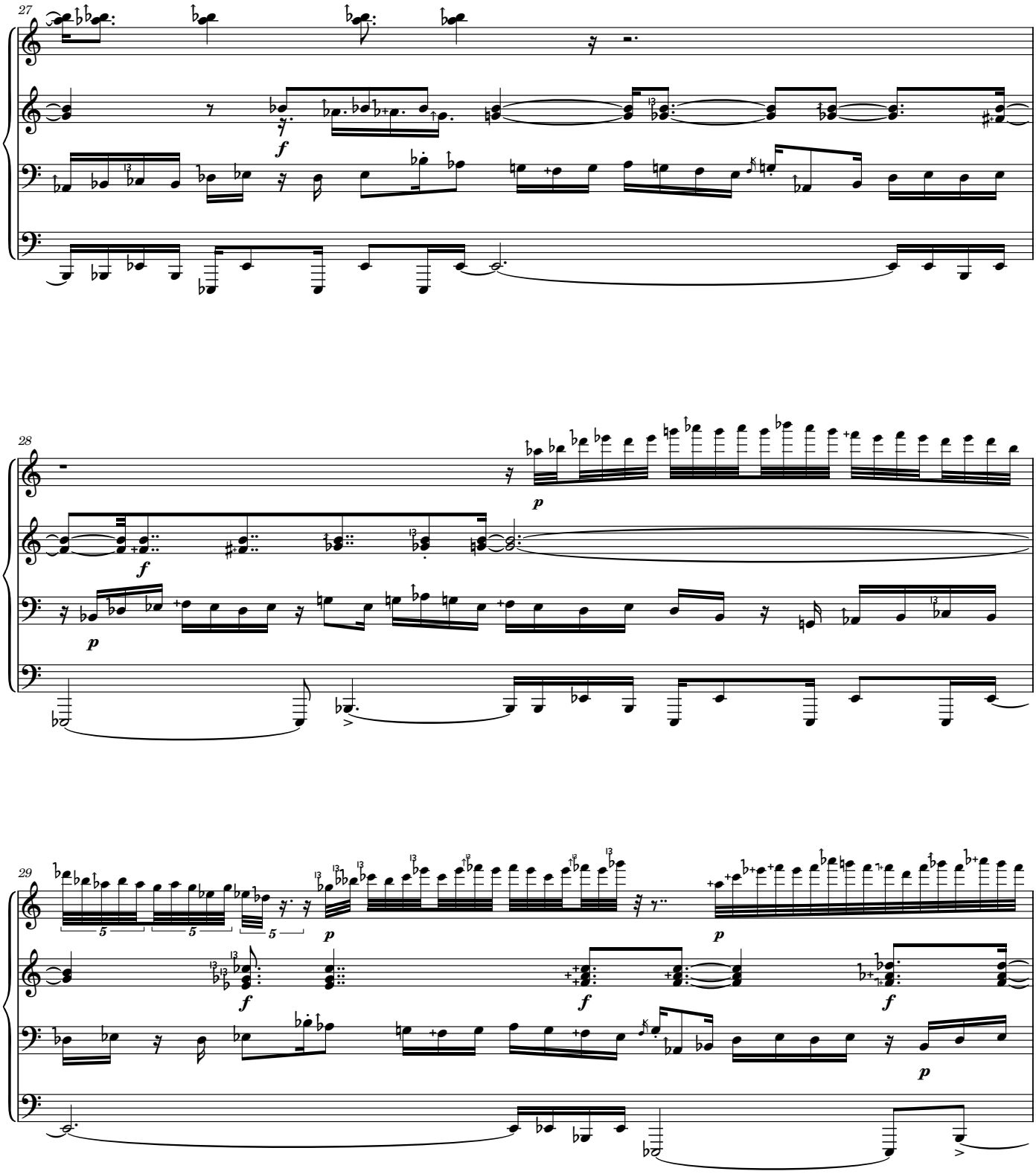

11
12
14
15:10
f
ff
p
mp
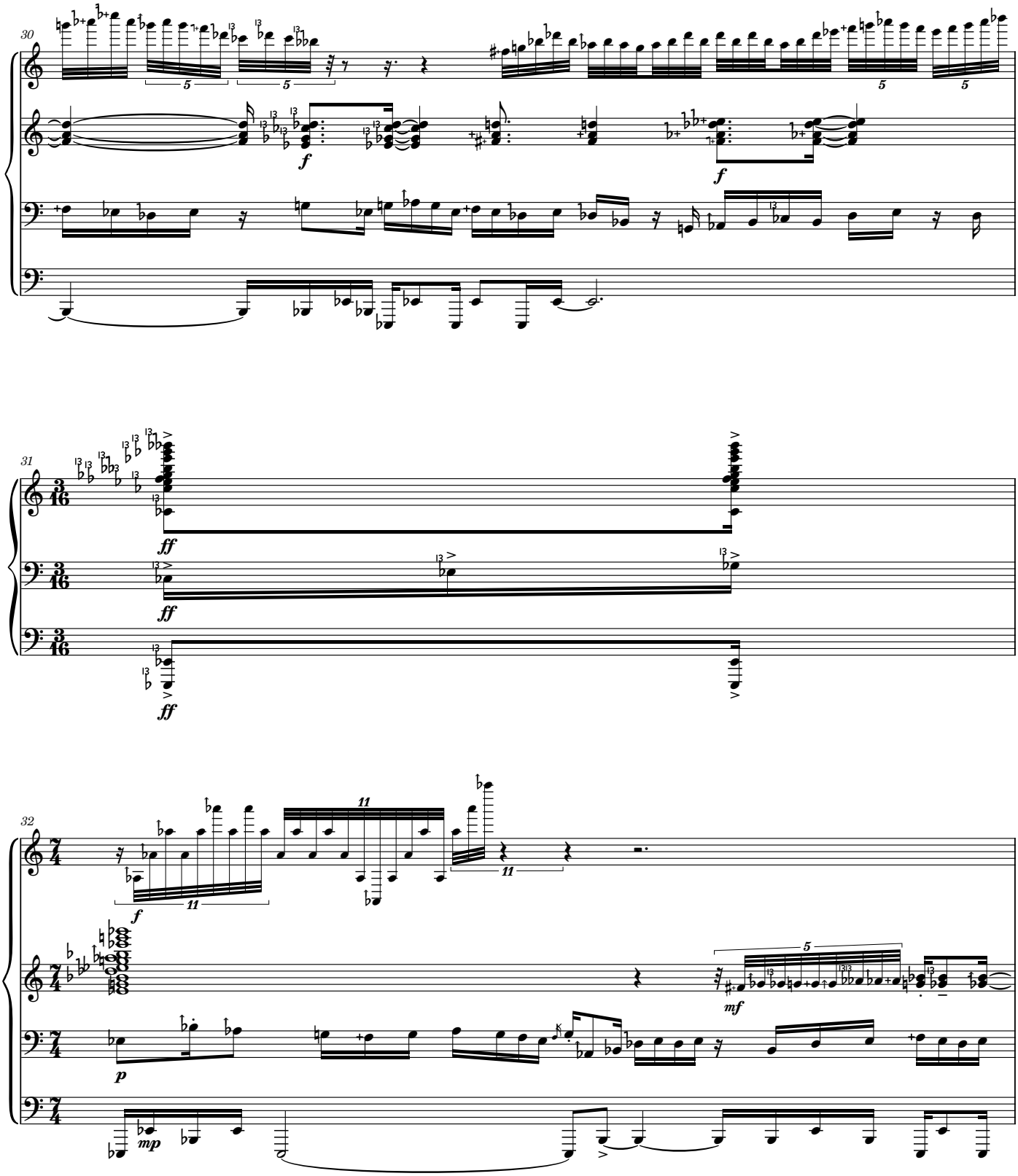

15
16
17
p
f
mp
5
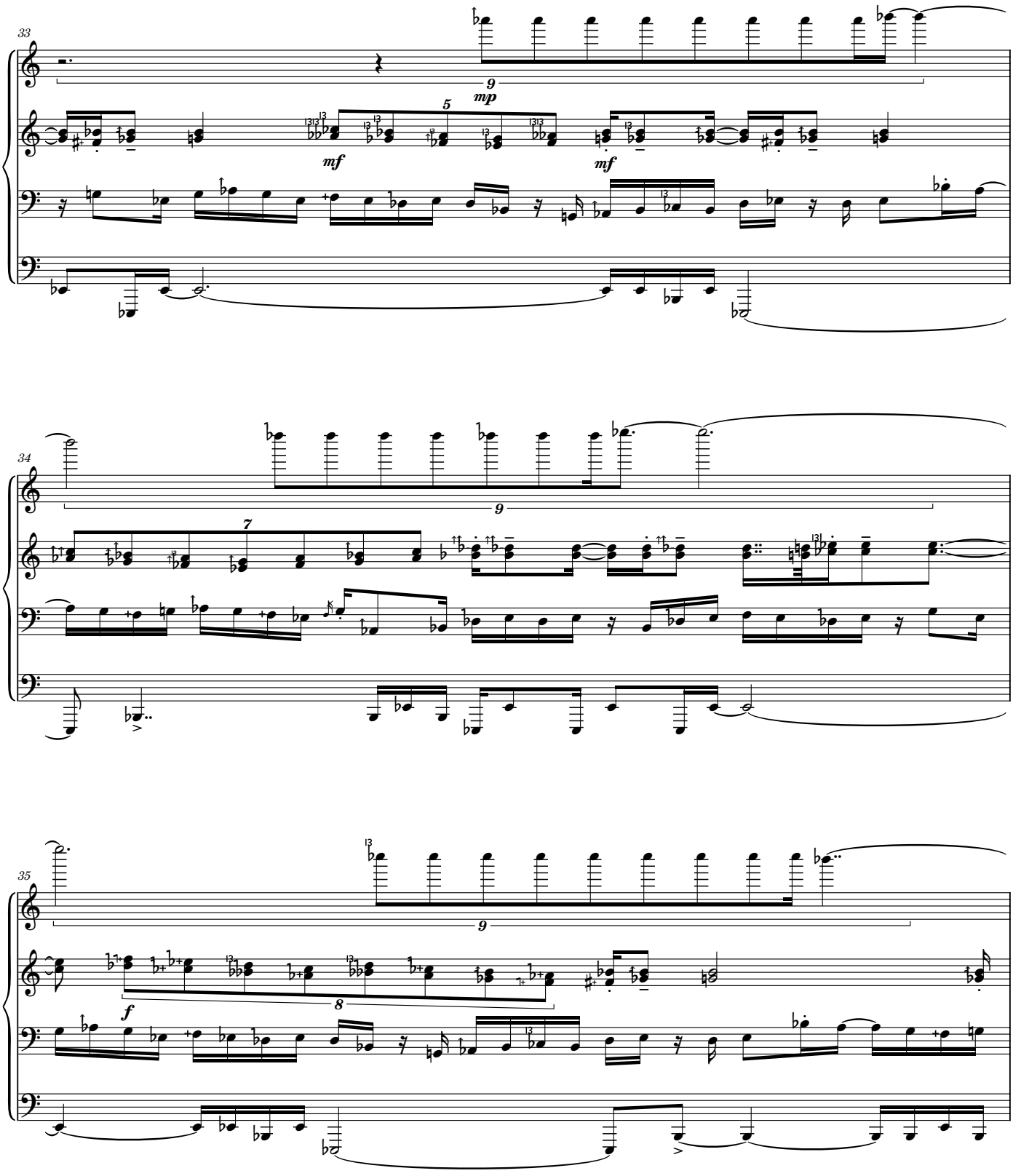

18
19
20
p
f
mf
f
p
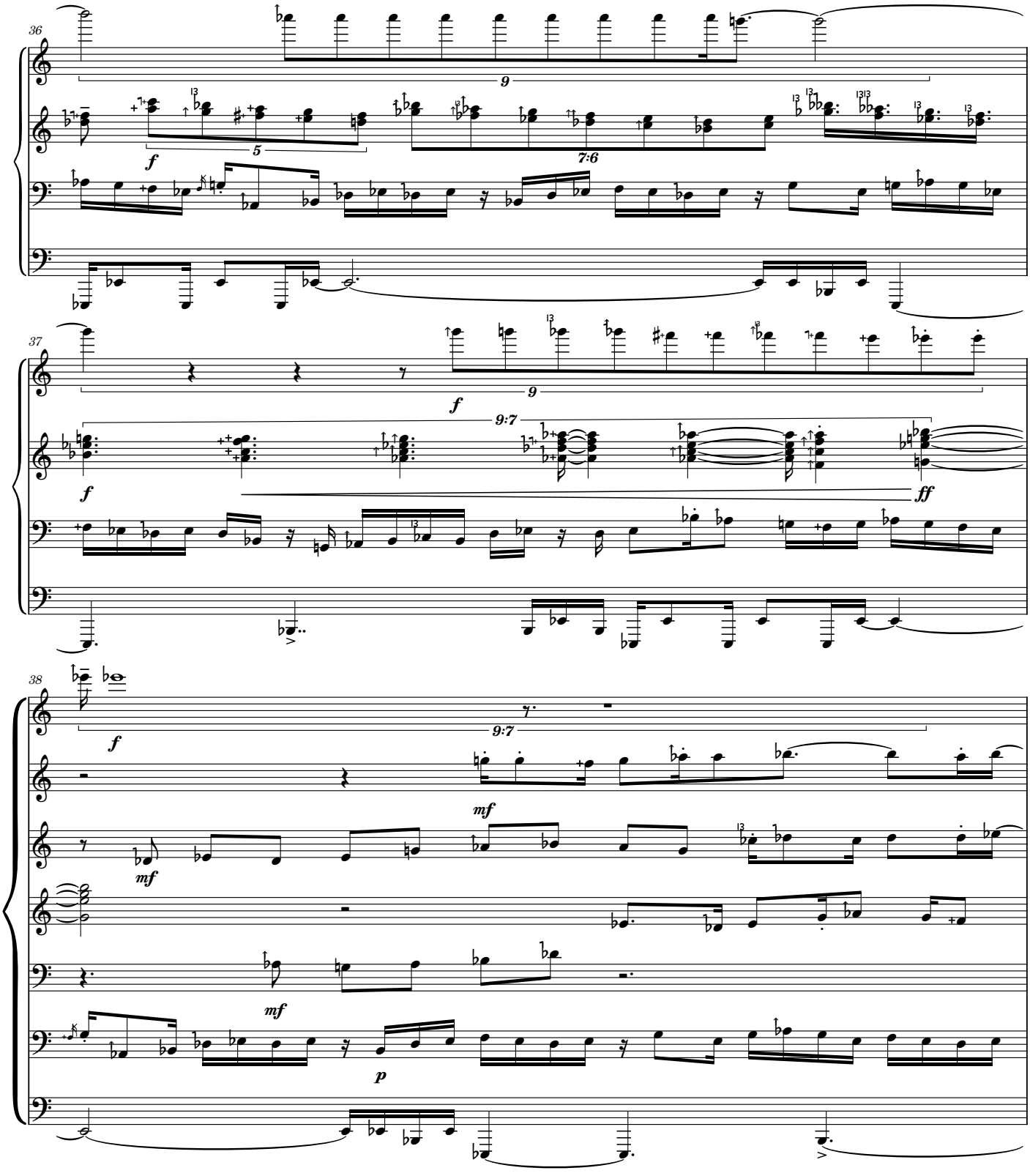

21
22
23
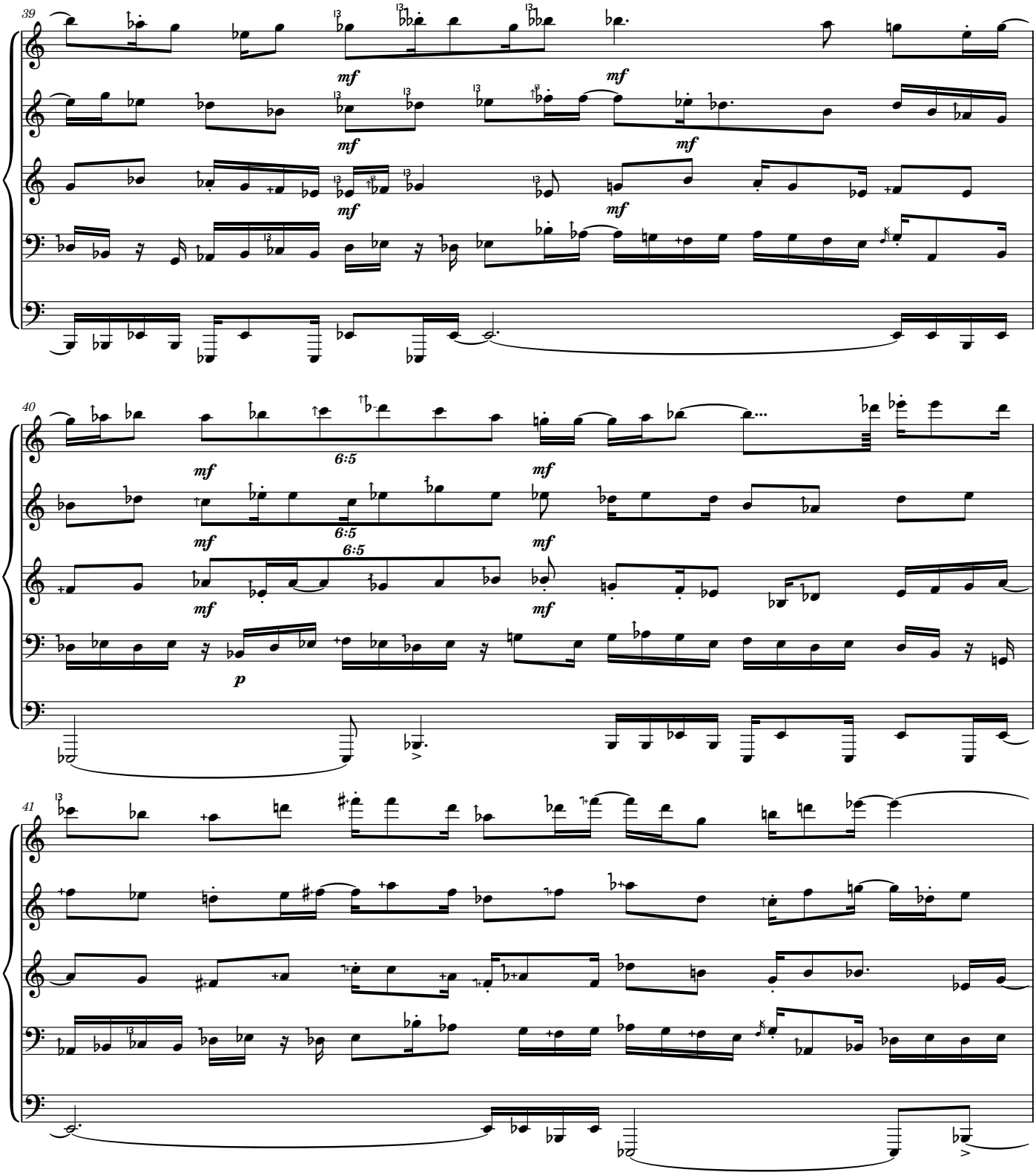

24
25
26
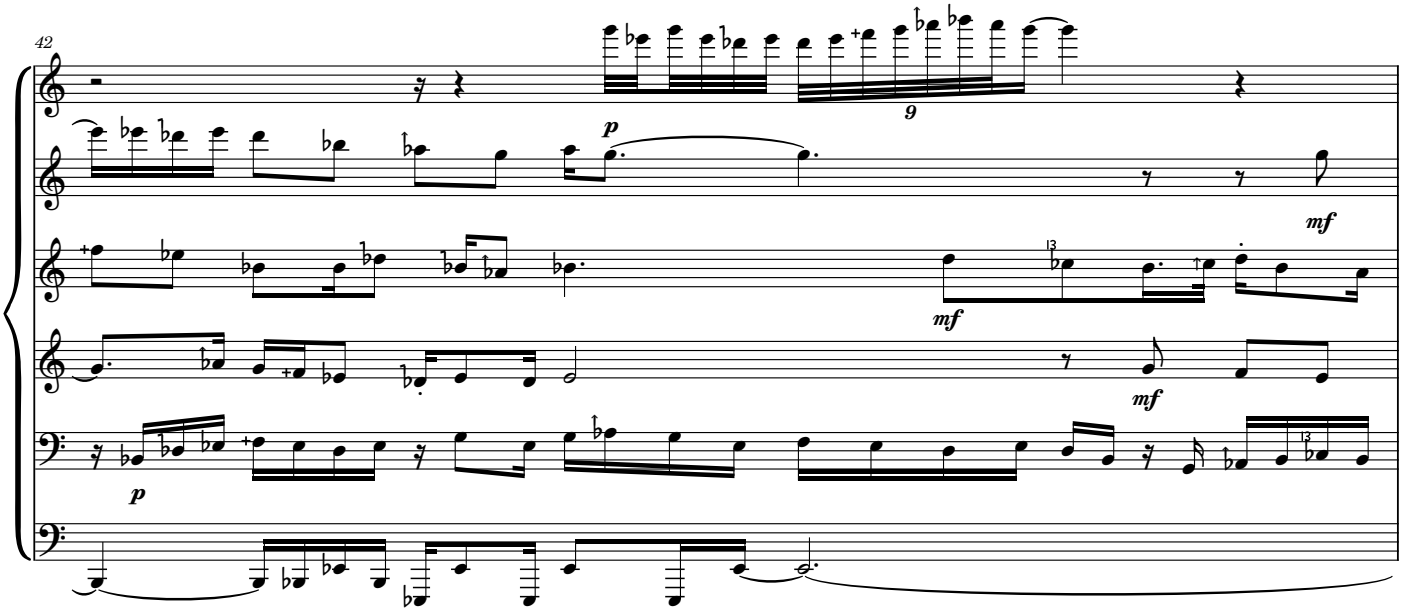

27
28
29

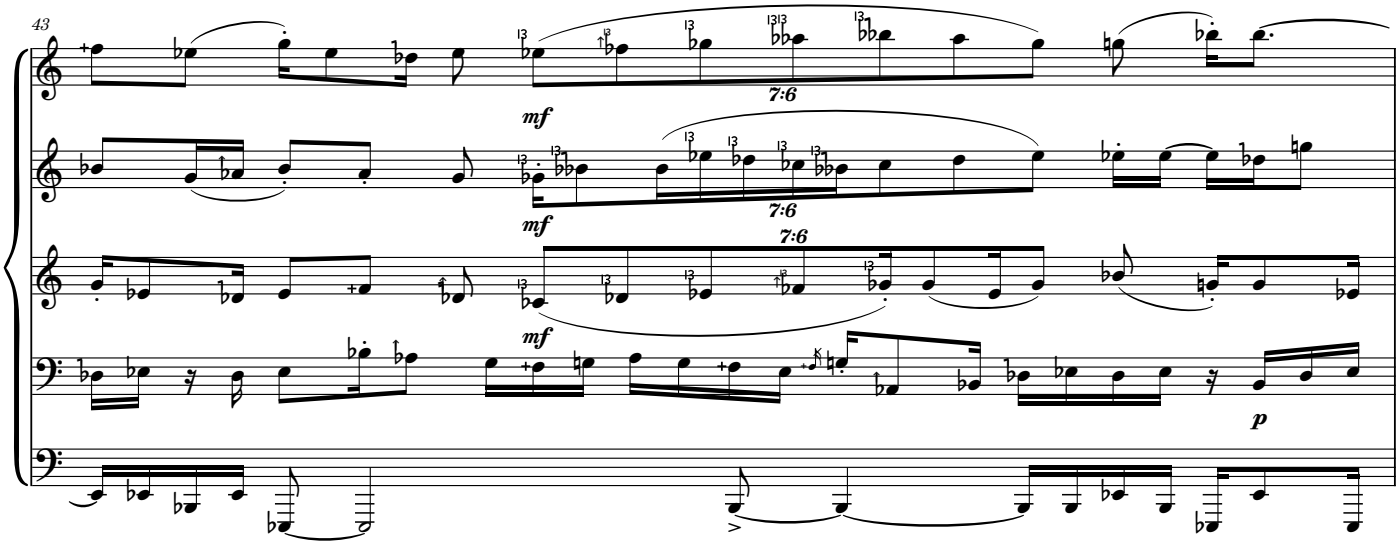

30
31
32
f
ff
mf
p
mp

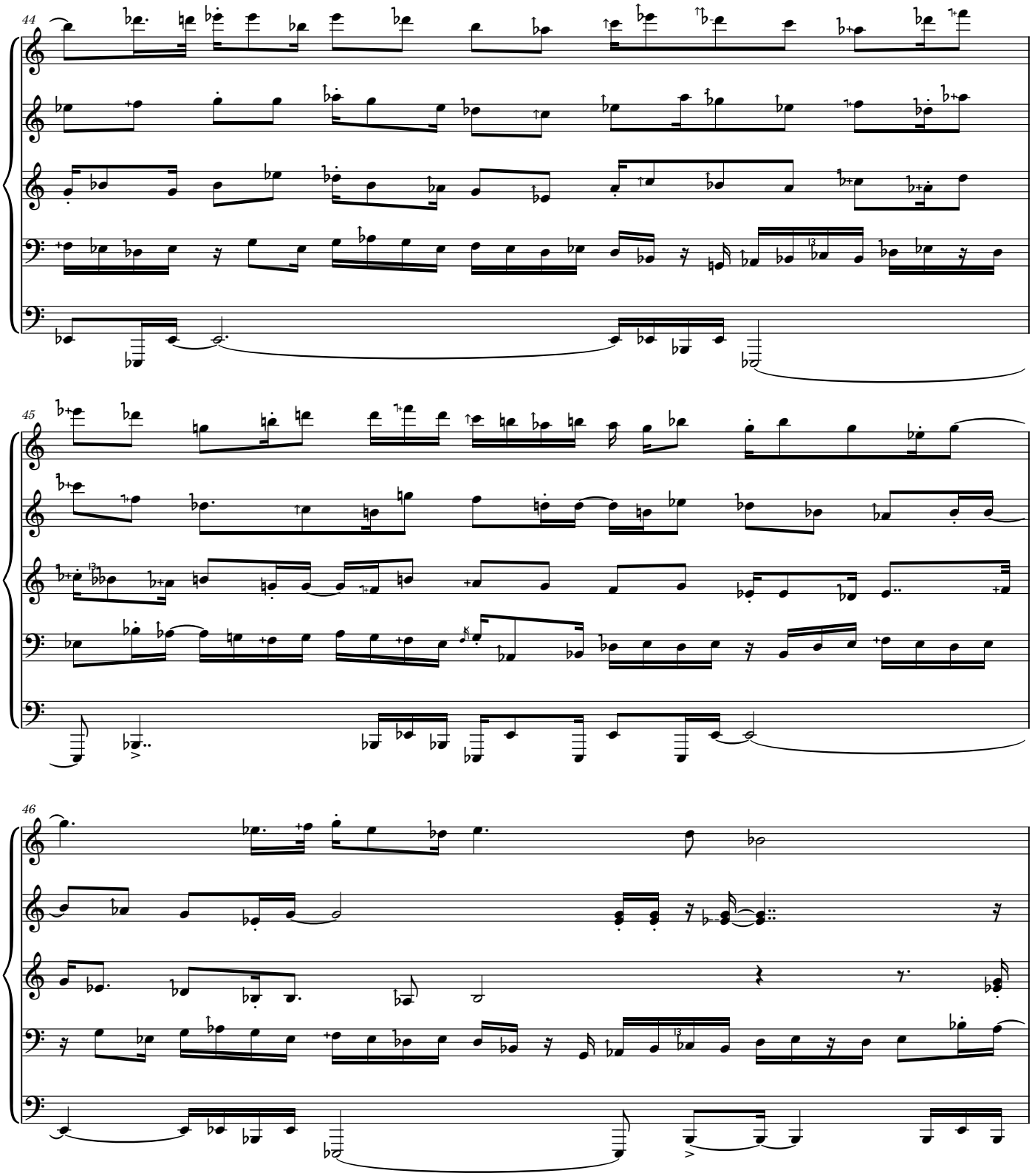

33
9
mp
5
mf
mf
34
9
7
35
9
f
8

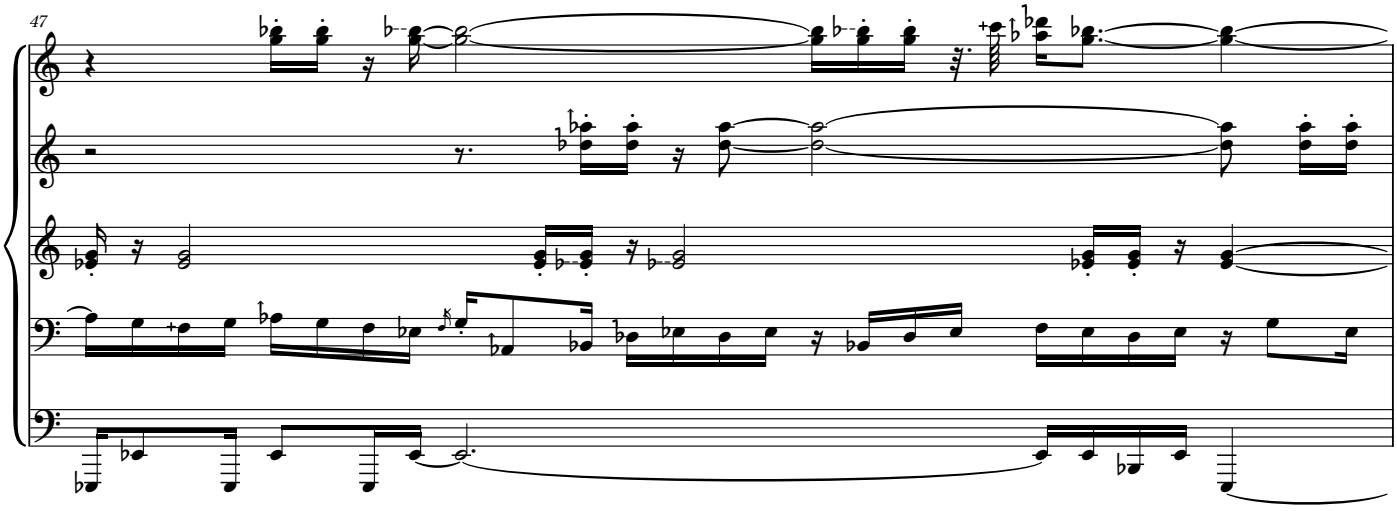

36
9
f
5
7:6
37
f
9
9:7
f
ff
38
f
7.
9:7
mf
mf
mf
p
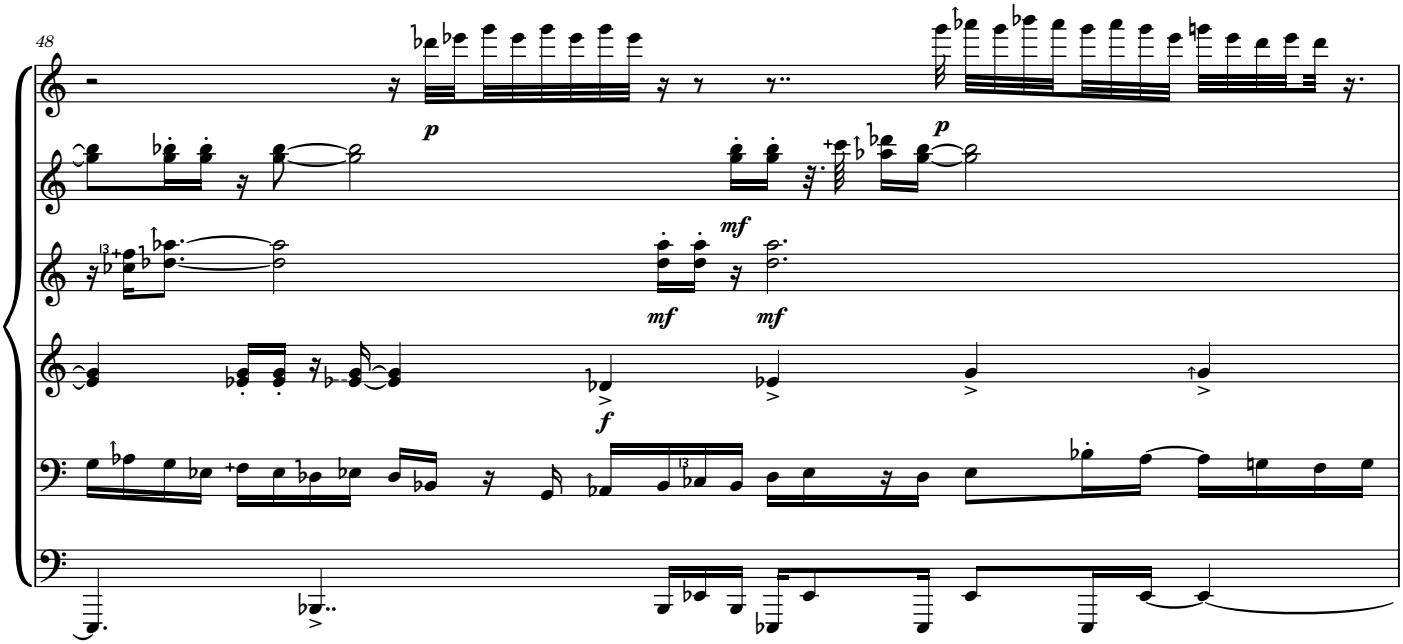

39
mf
mf
mf
mf
mf
40
6:5
mf
6:5
mf
6:5
mf
mf
p
41

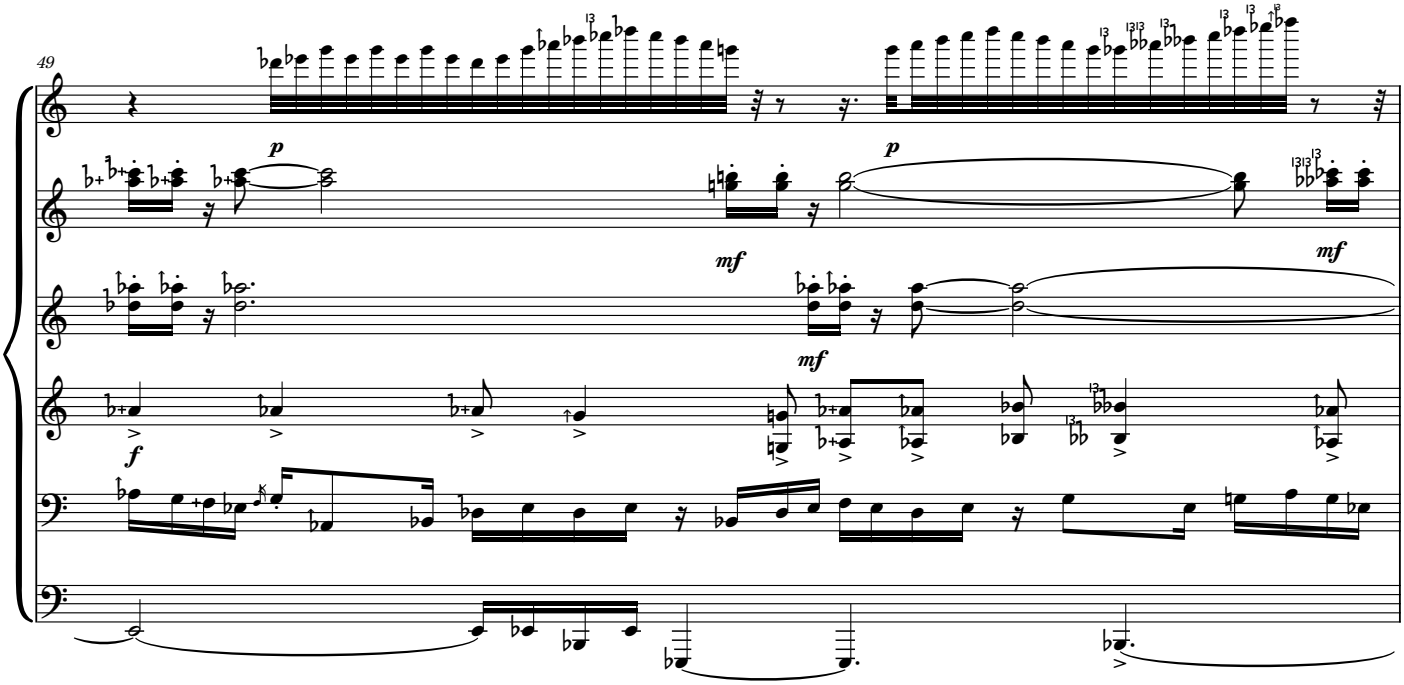

42
9
p
mf
mf
mf
p

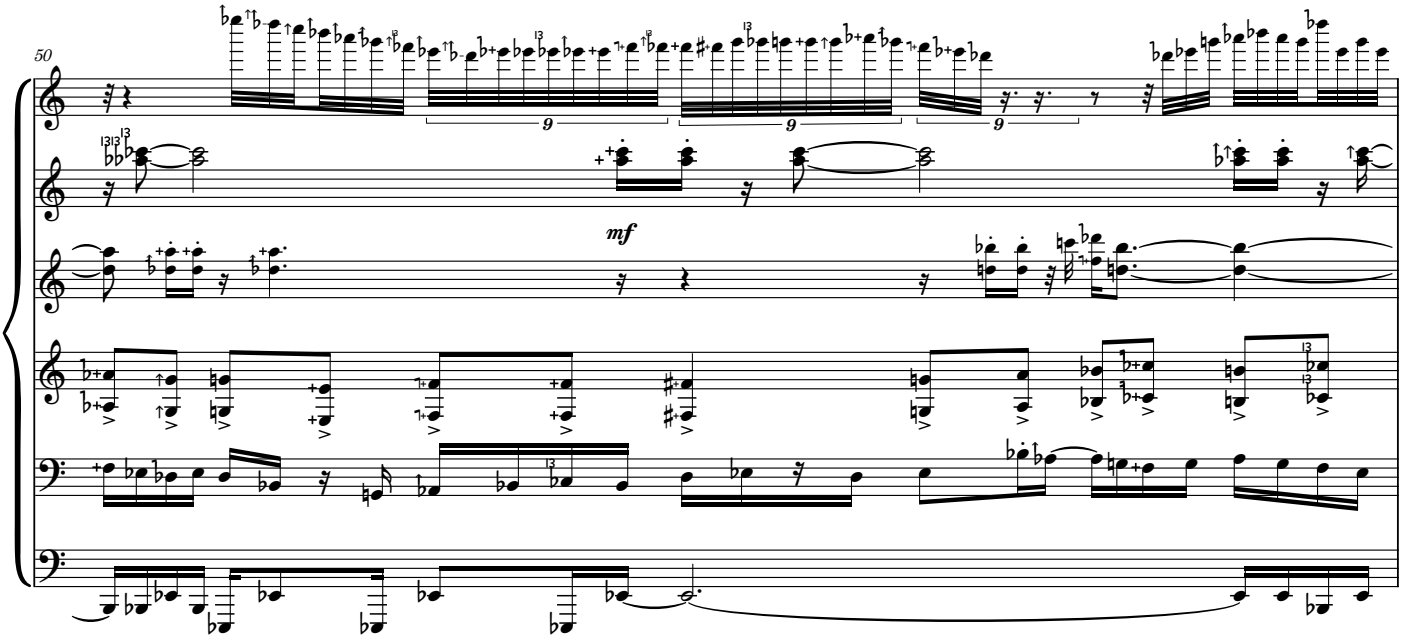

43
mf
7:6
mf
7:6
mf
7:6
p
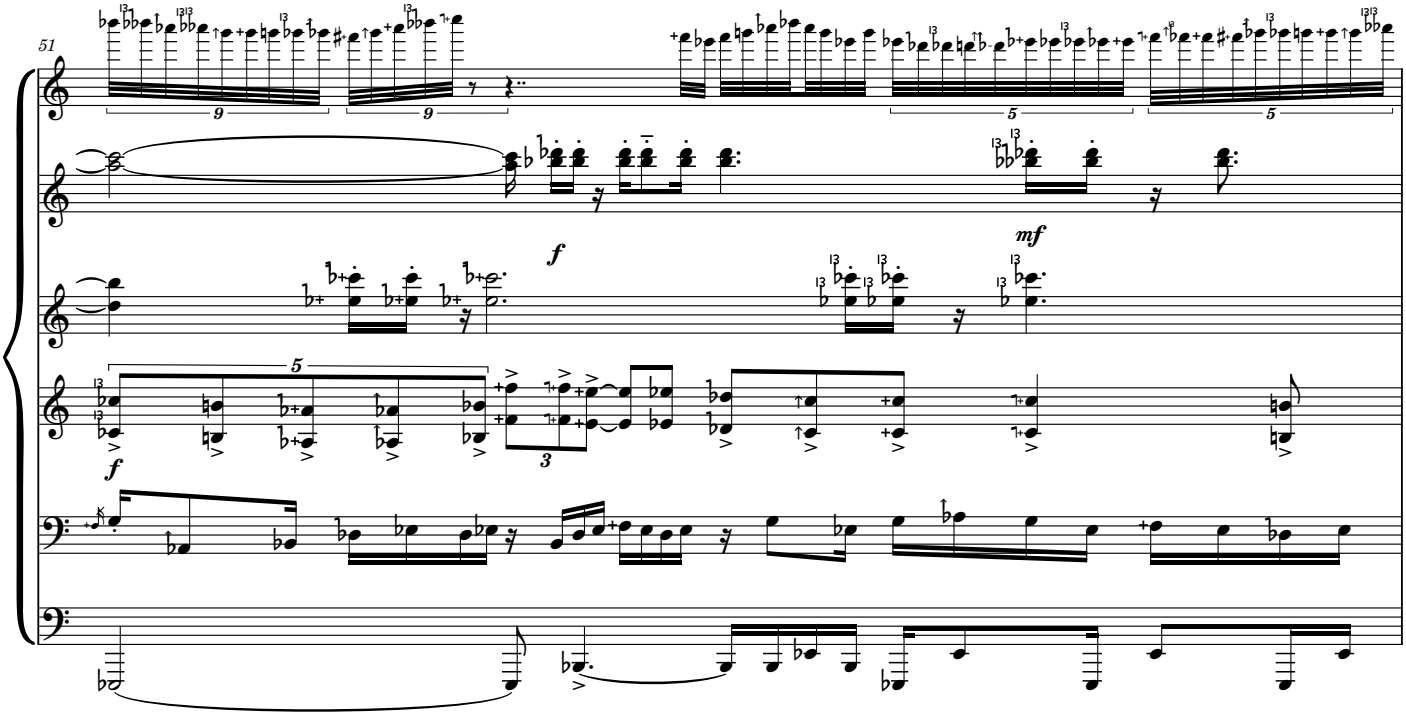

44
45
46

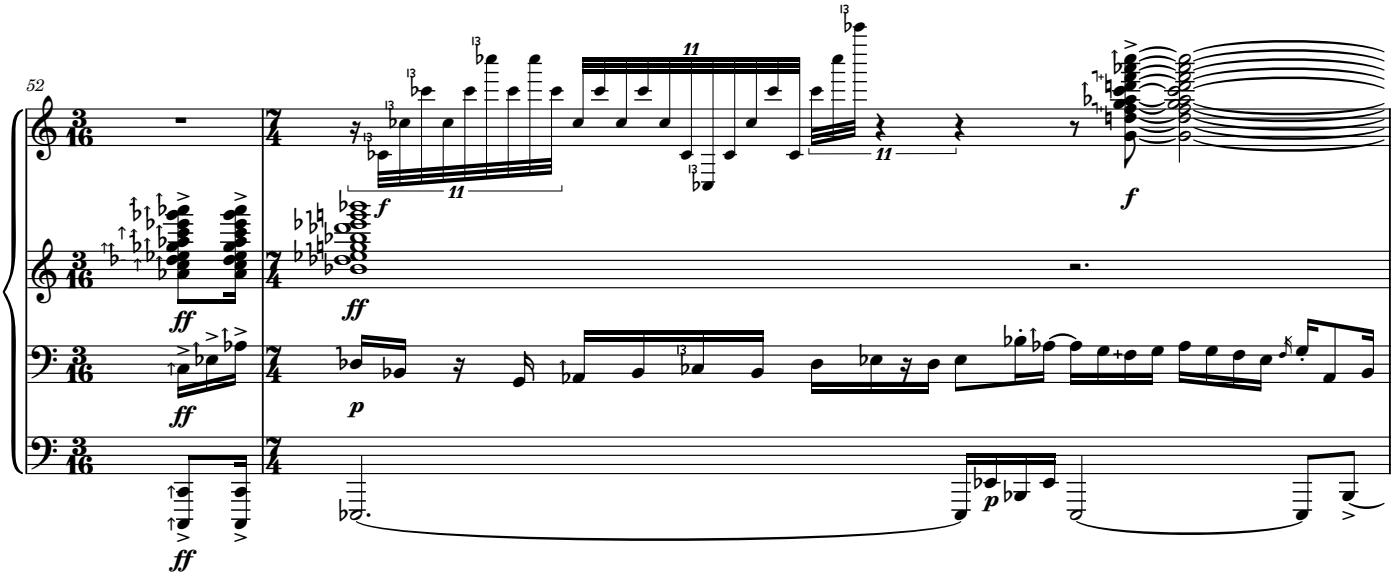

47
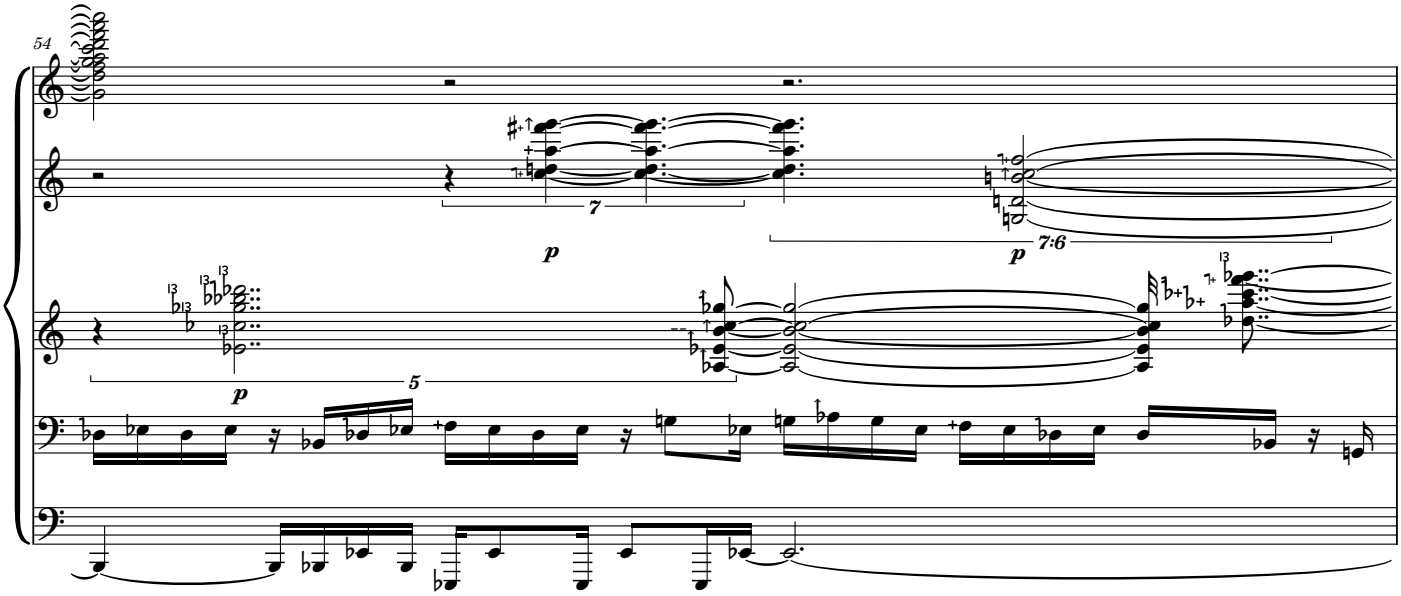

48
p
p
mf
mf
mf
f
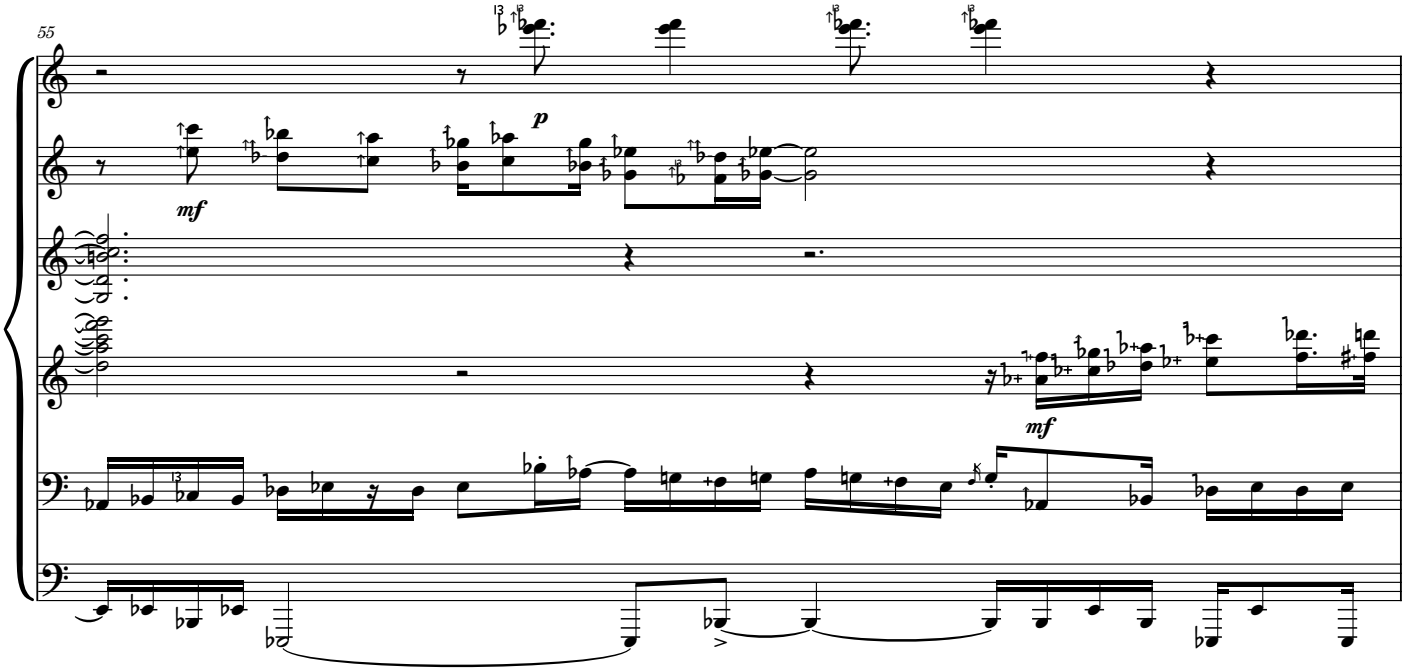

49
p
p
mf
mf
mf
f
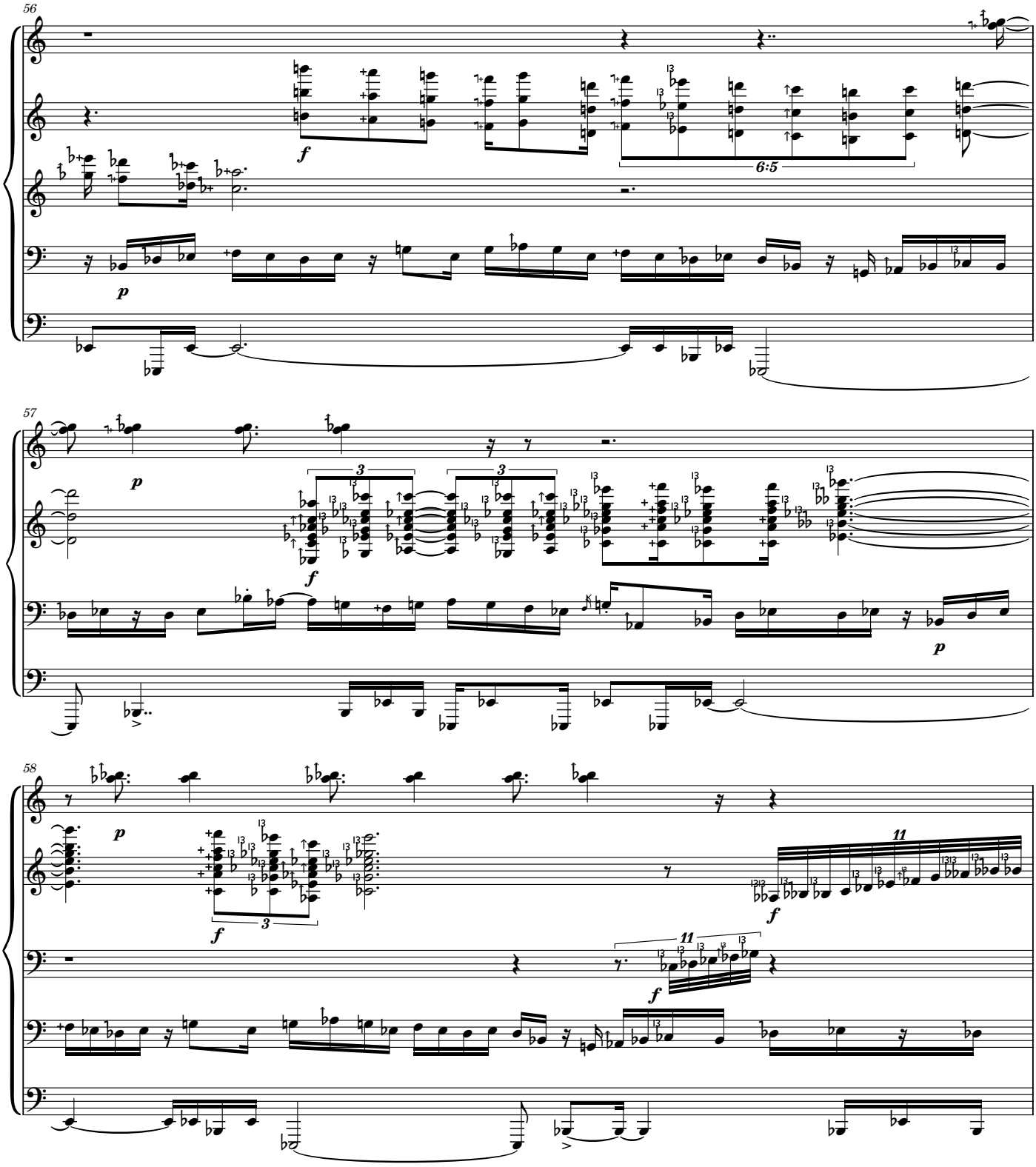

50
9
9
9
mf
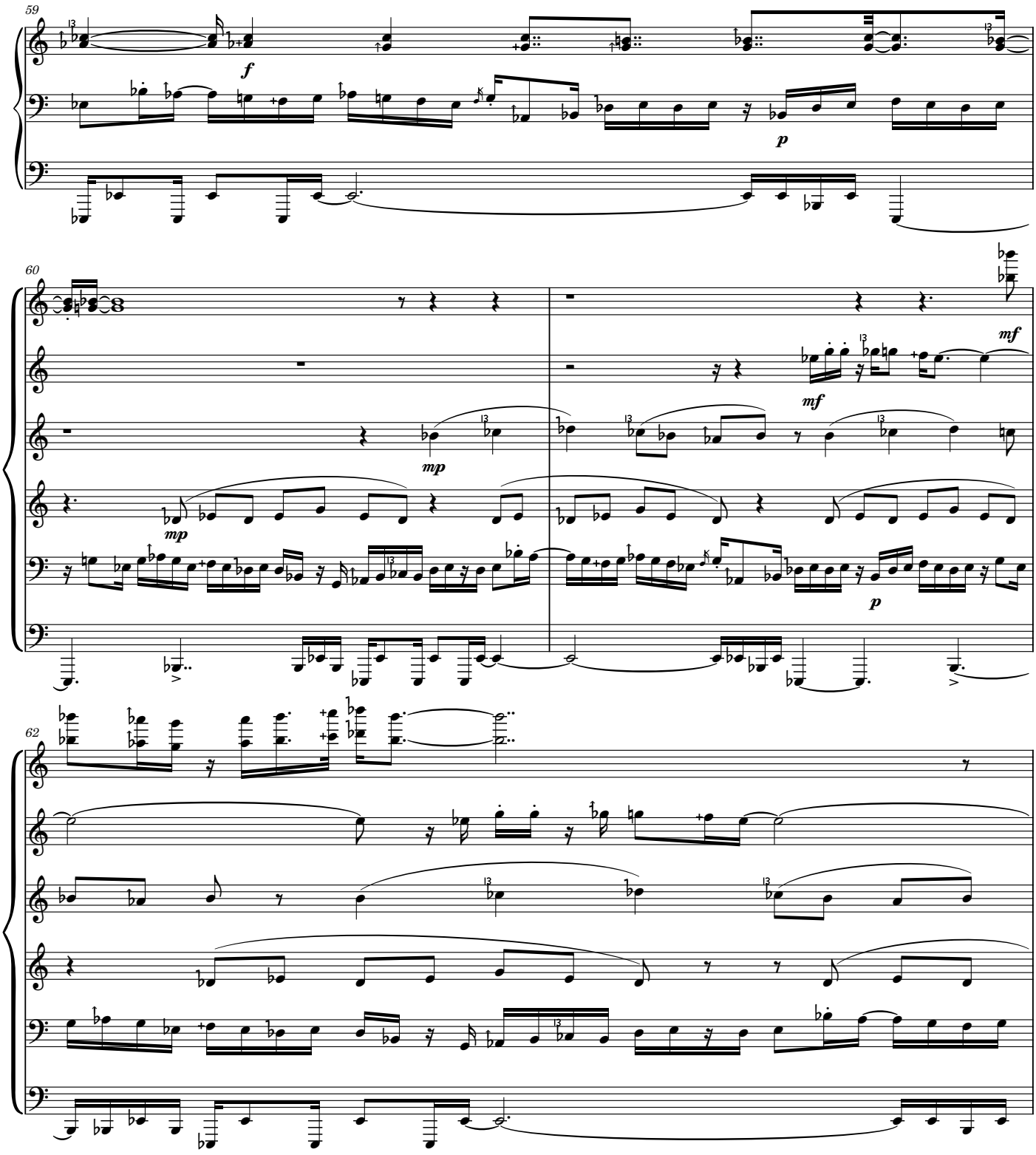

51
f
mf
f
3
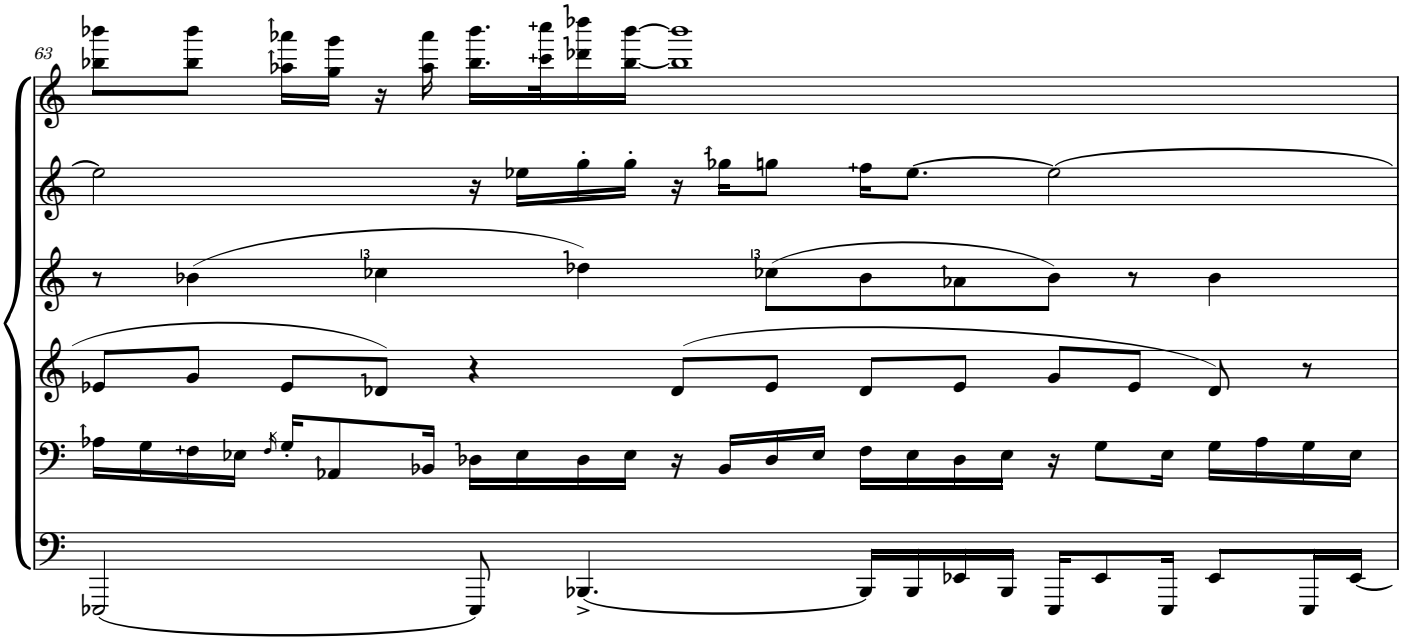

52
11
f
ff
p

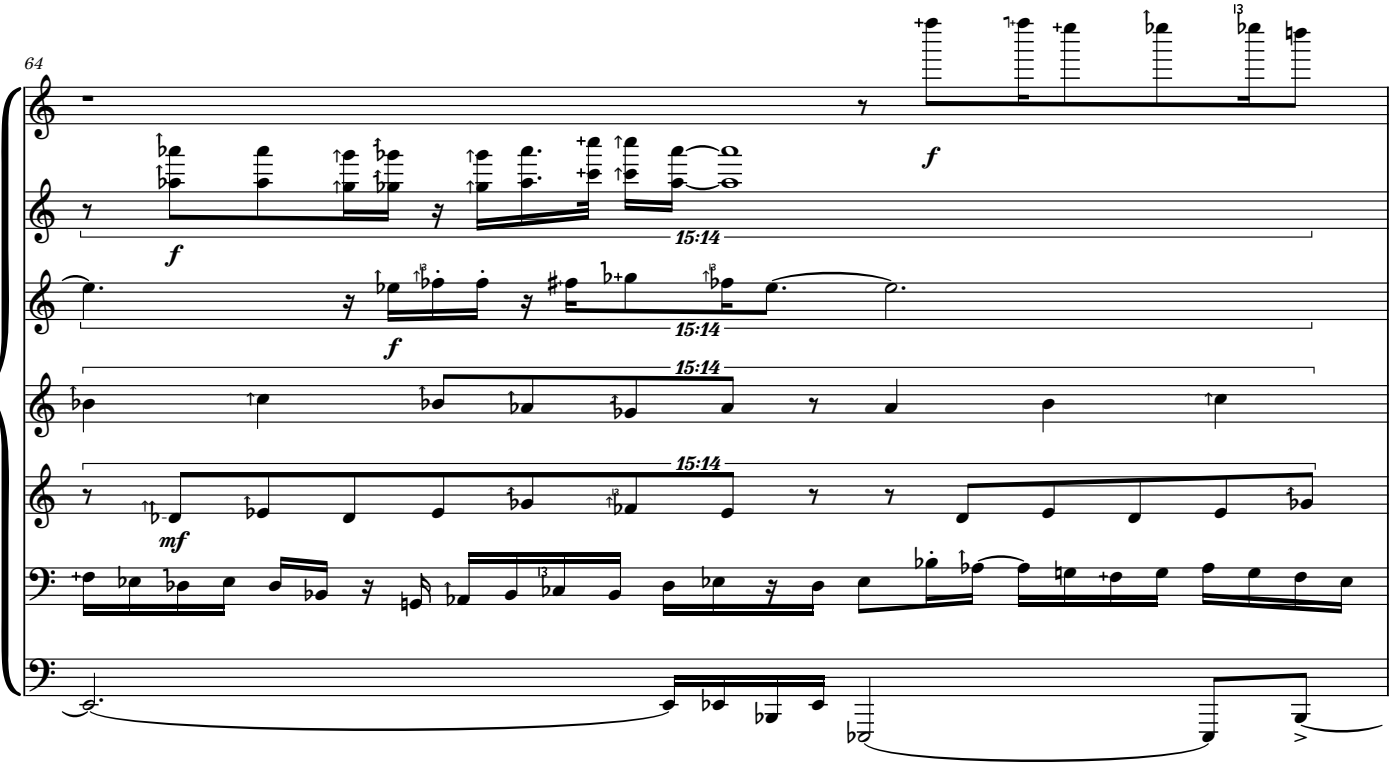

54
7
p
7:6
p
5
p
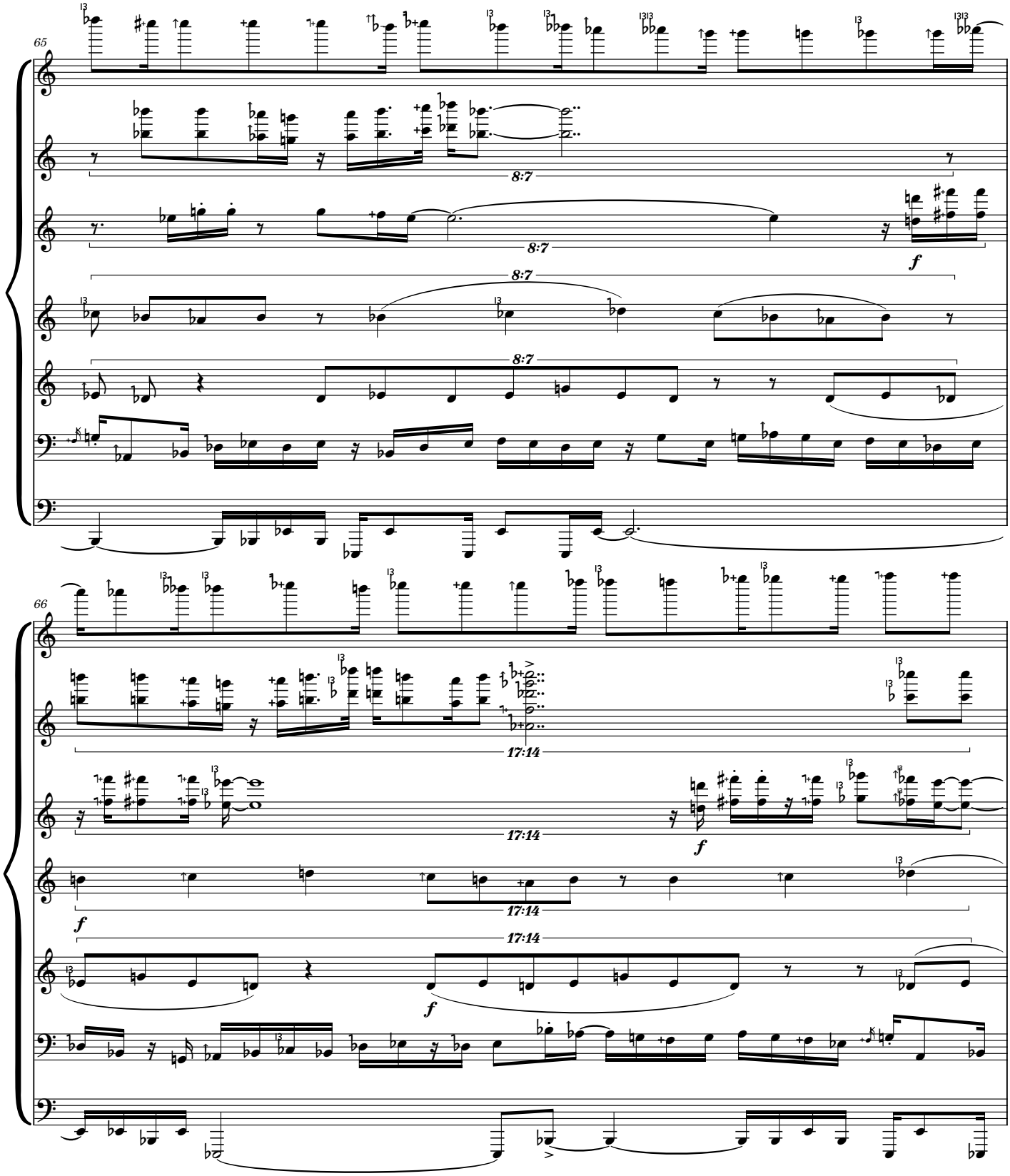

55
p
mf
mf
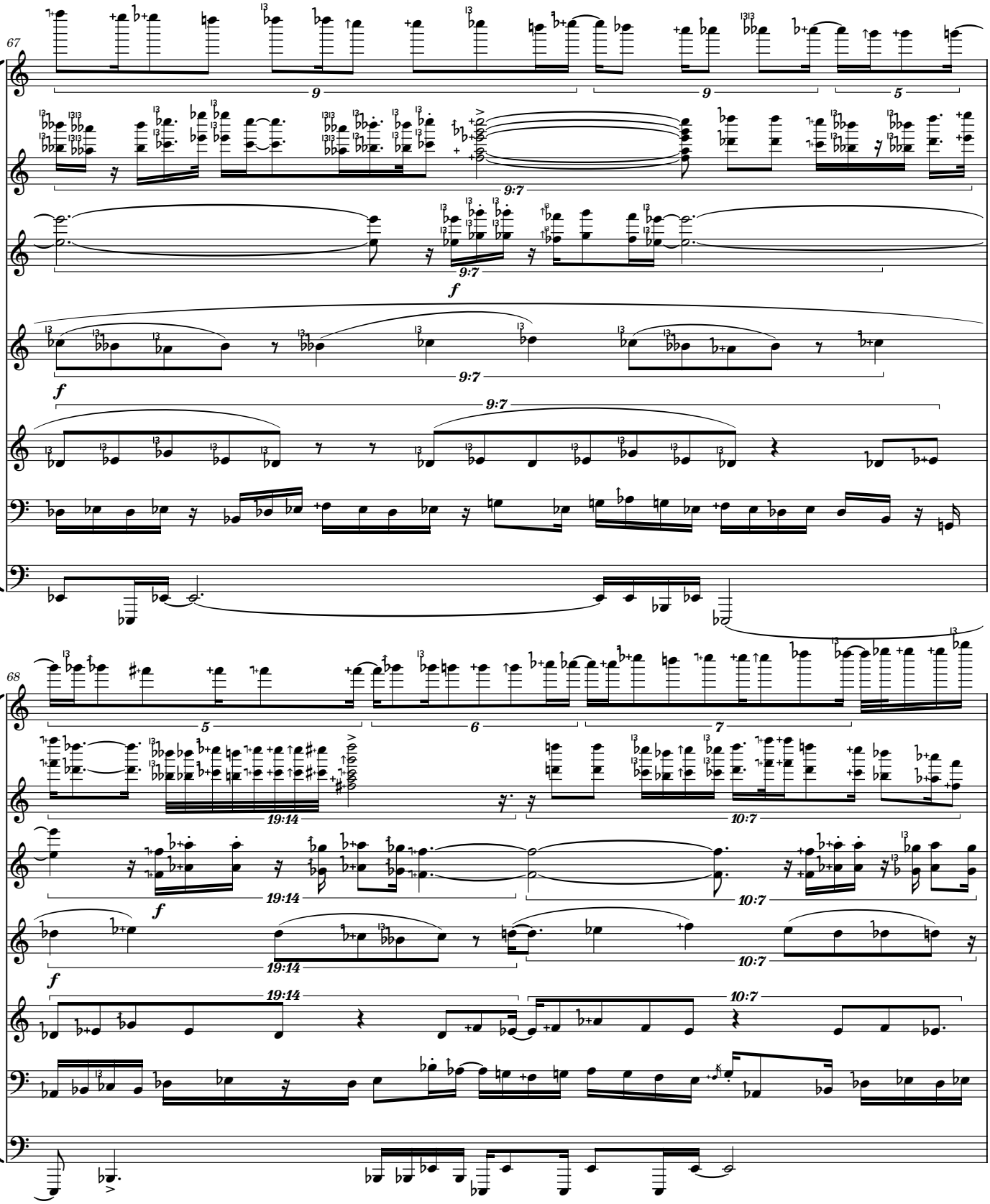

56
f
6:5
p
57
p
3
3
f
p
58
p
f
3
11
f
11
f
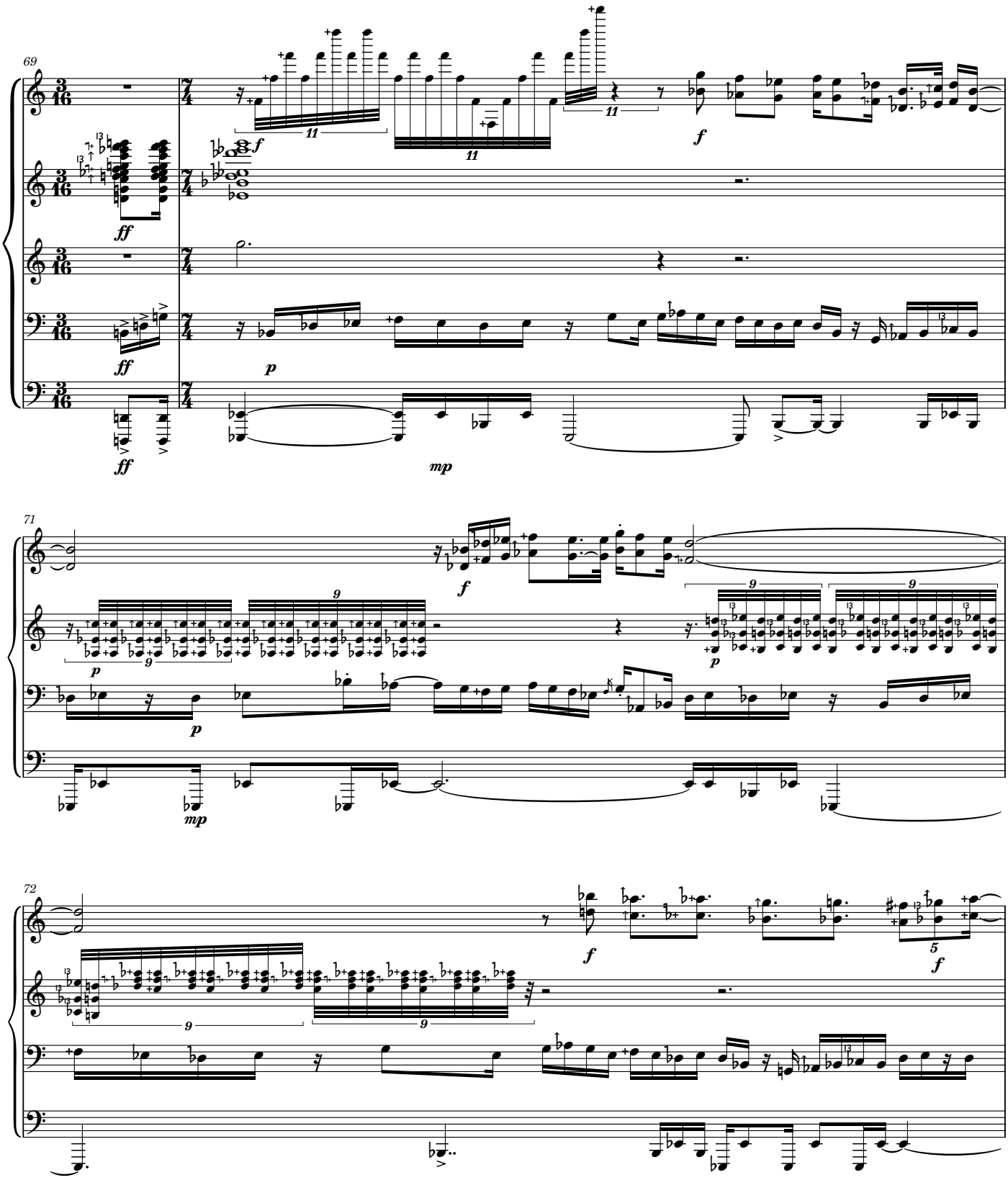

59
f
p
60
mp
mf
62
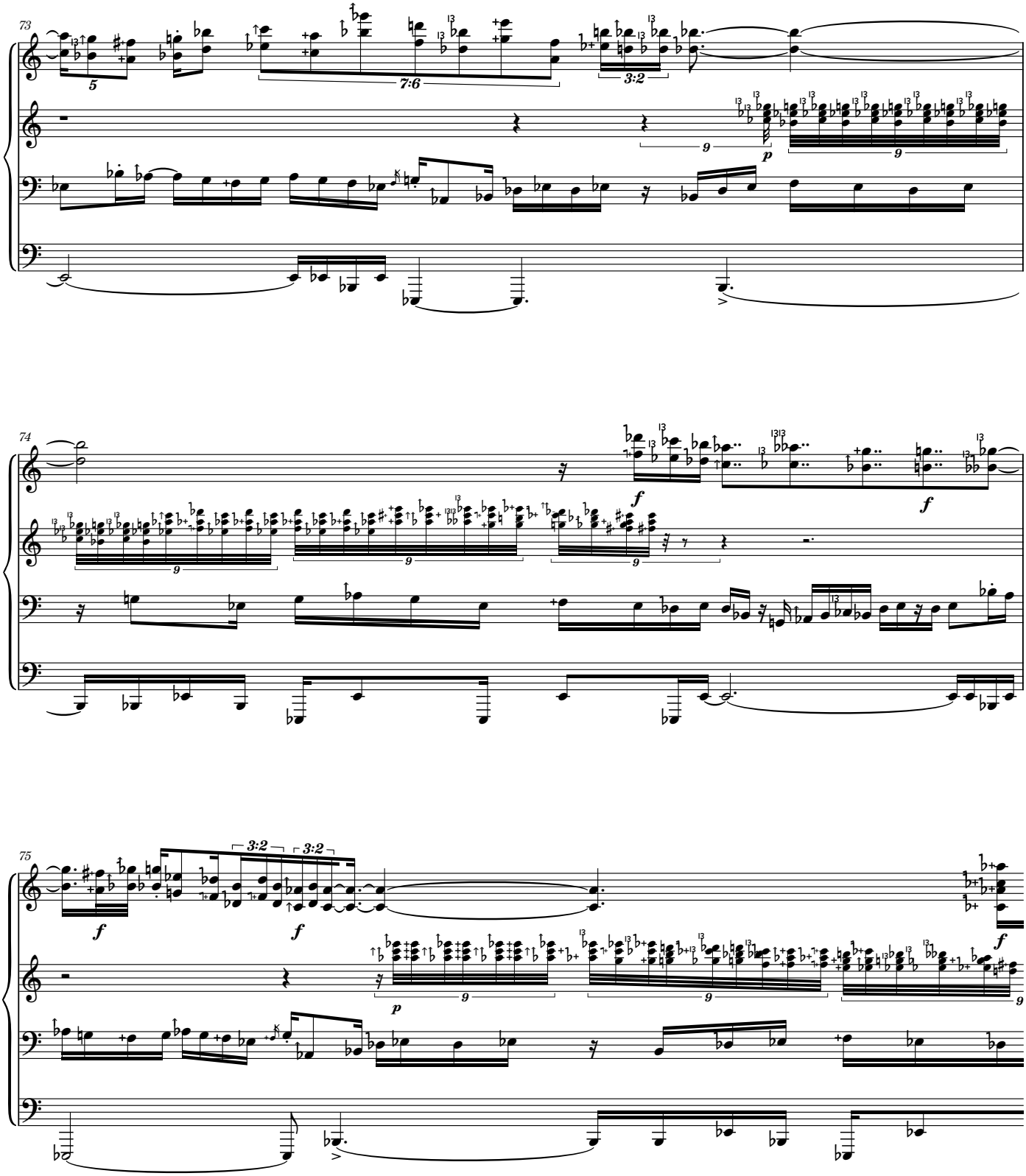

63
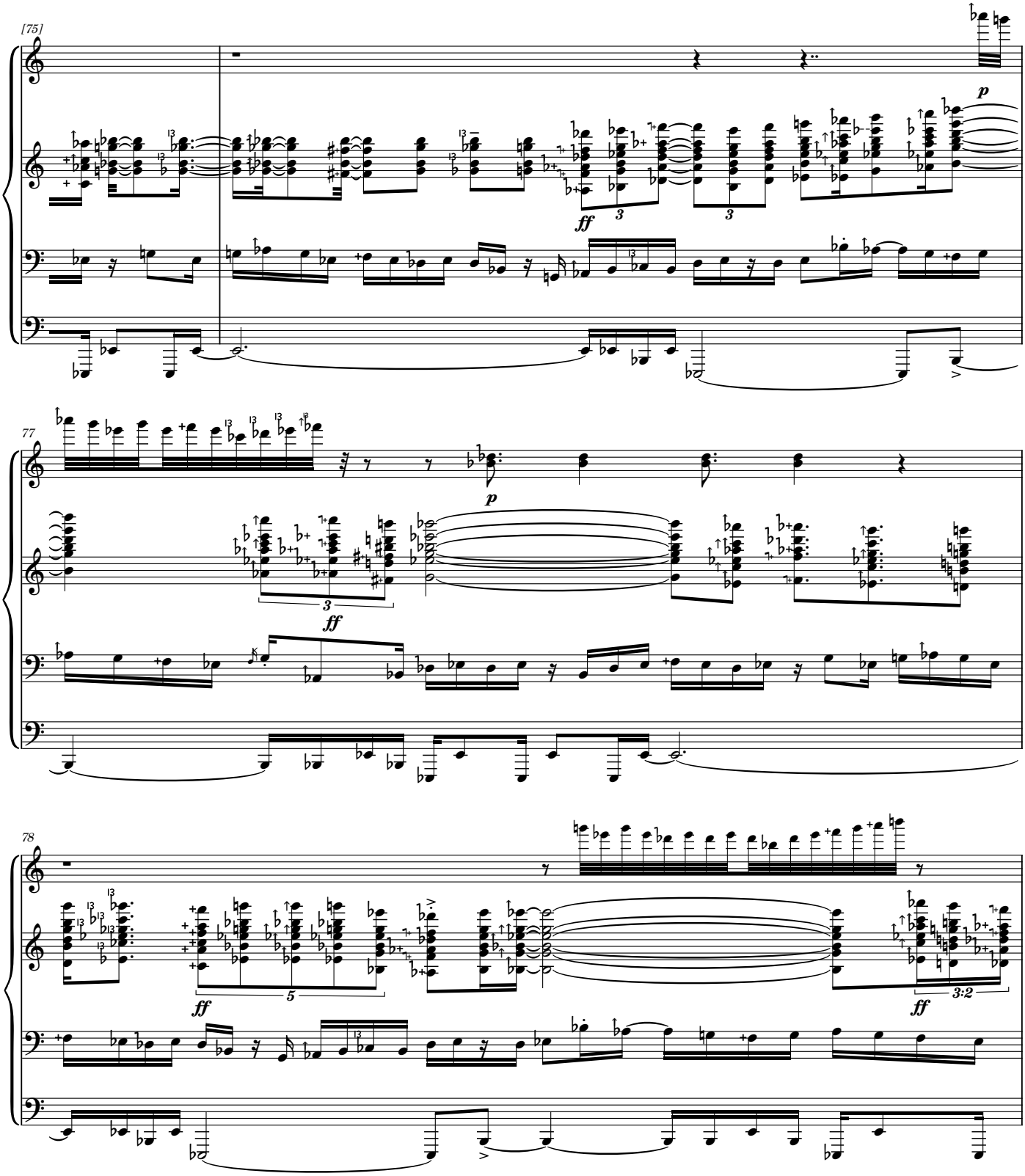

64
f
15:14
mf

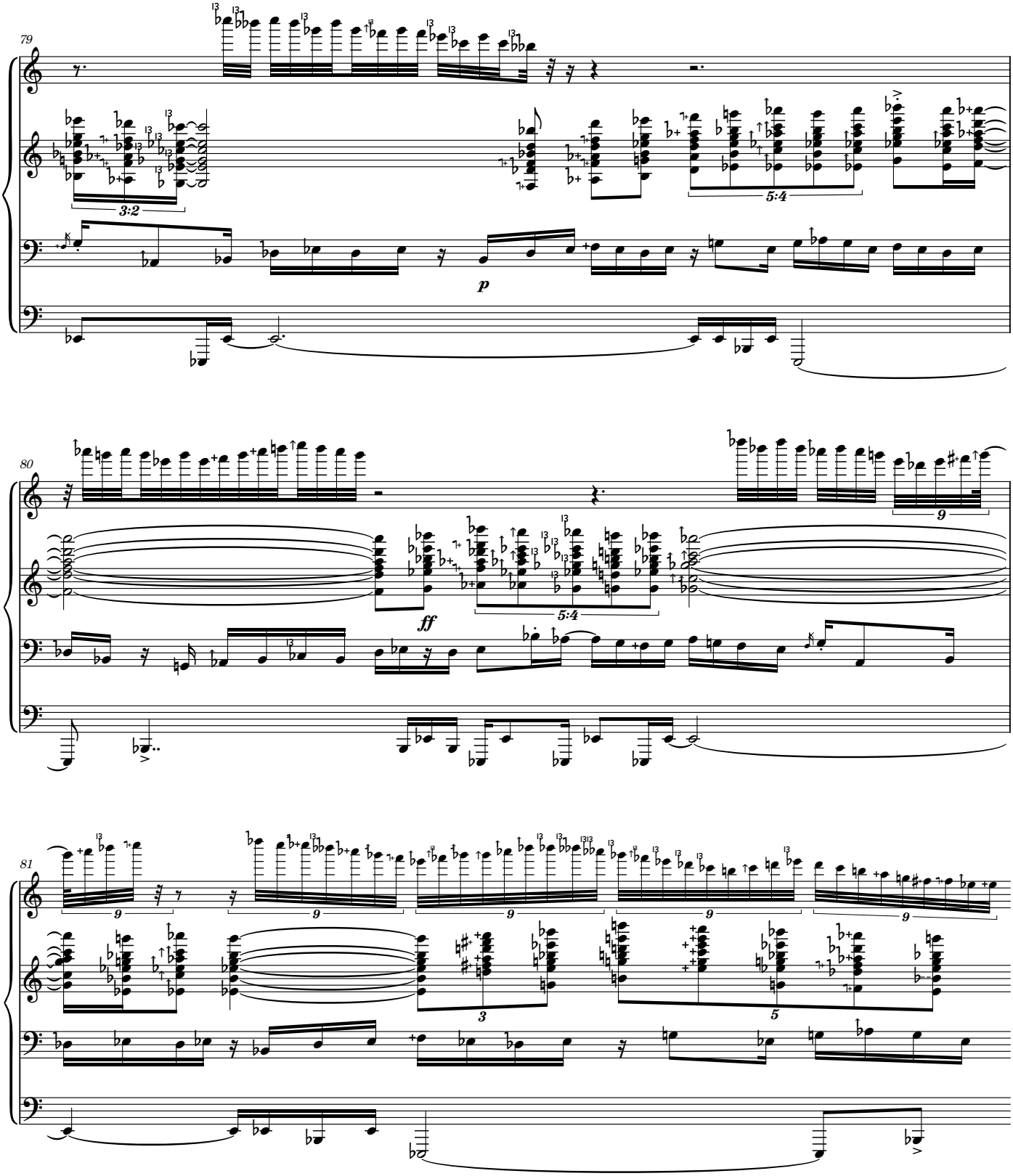

65
8:7
8:7
f
8:7
8:7
66
17:14
17:14
f
17:14
f
17:14
f
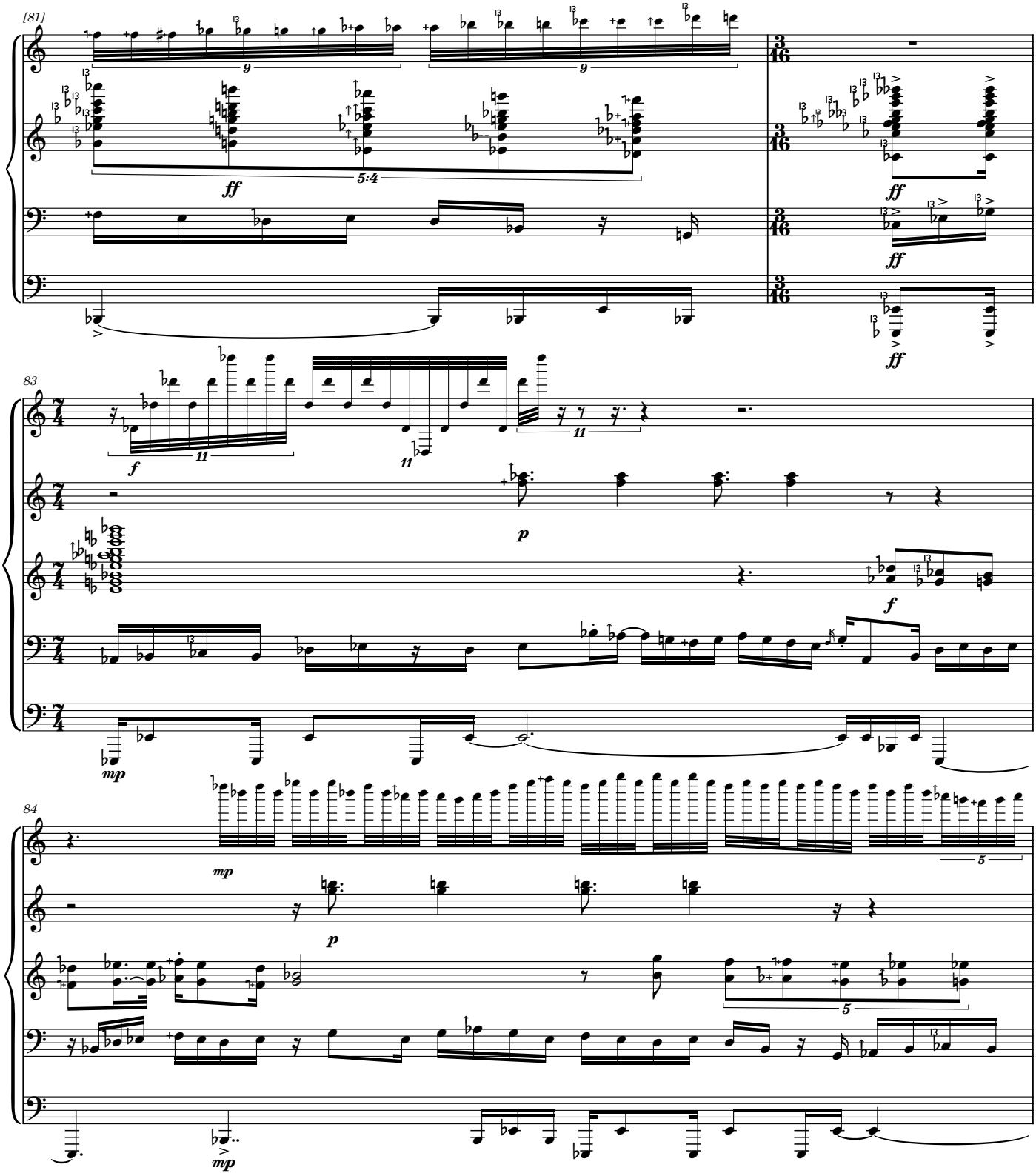

67
9
9
5
9:7
9:7
f
f
9:7
9:7
68
5
6
7
19:14
10:7
19:14
10:7
f
19:14
10:7
f
19:14
10:7
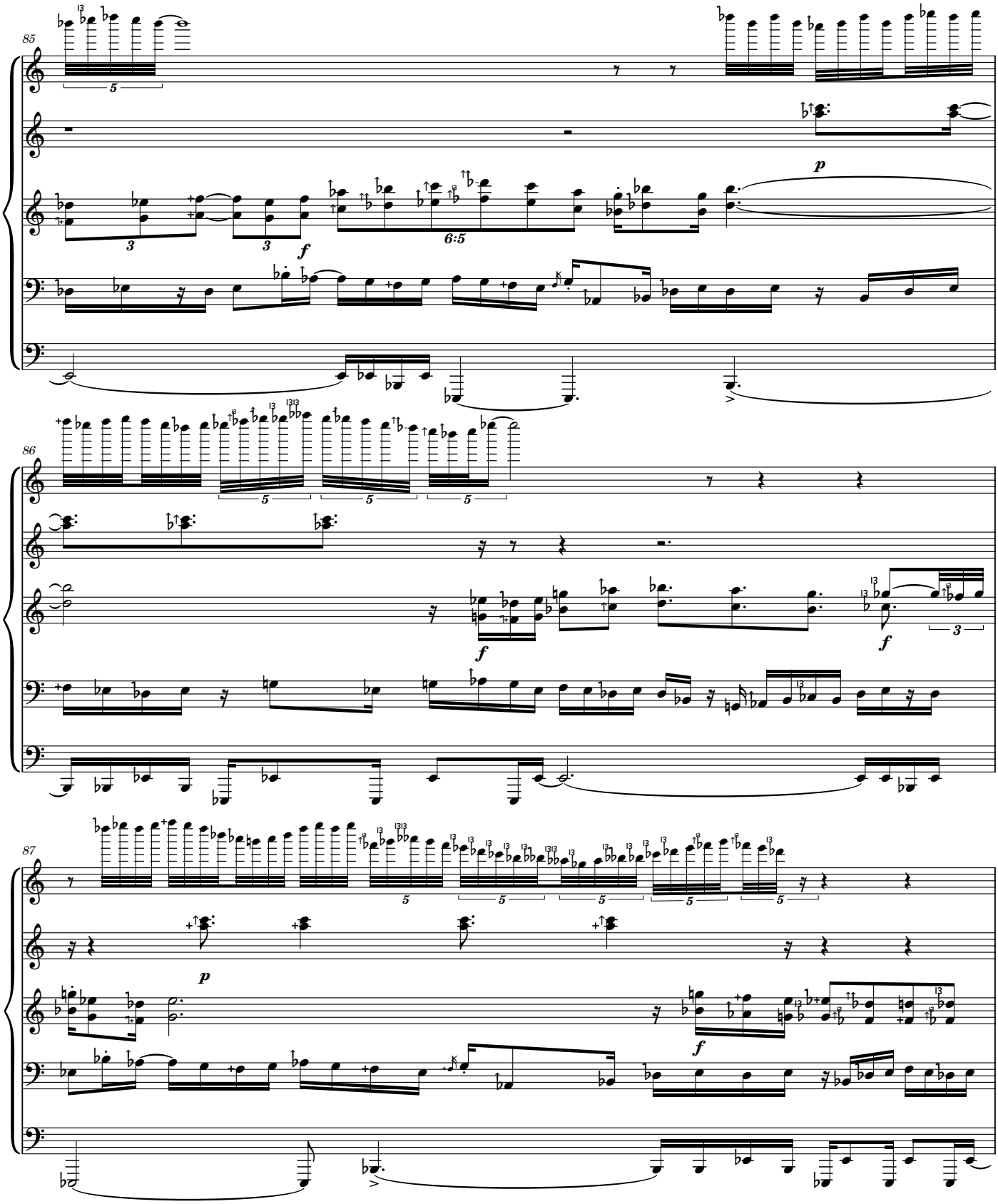

69
71
72
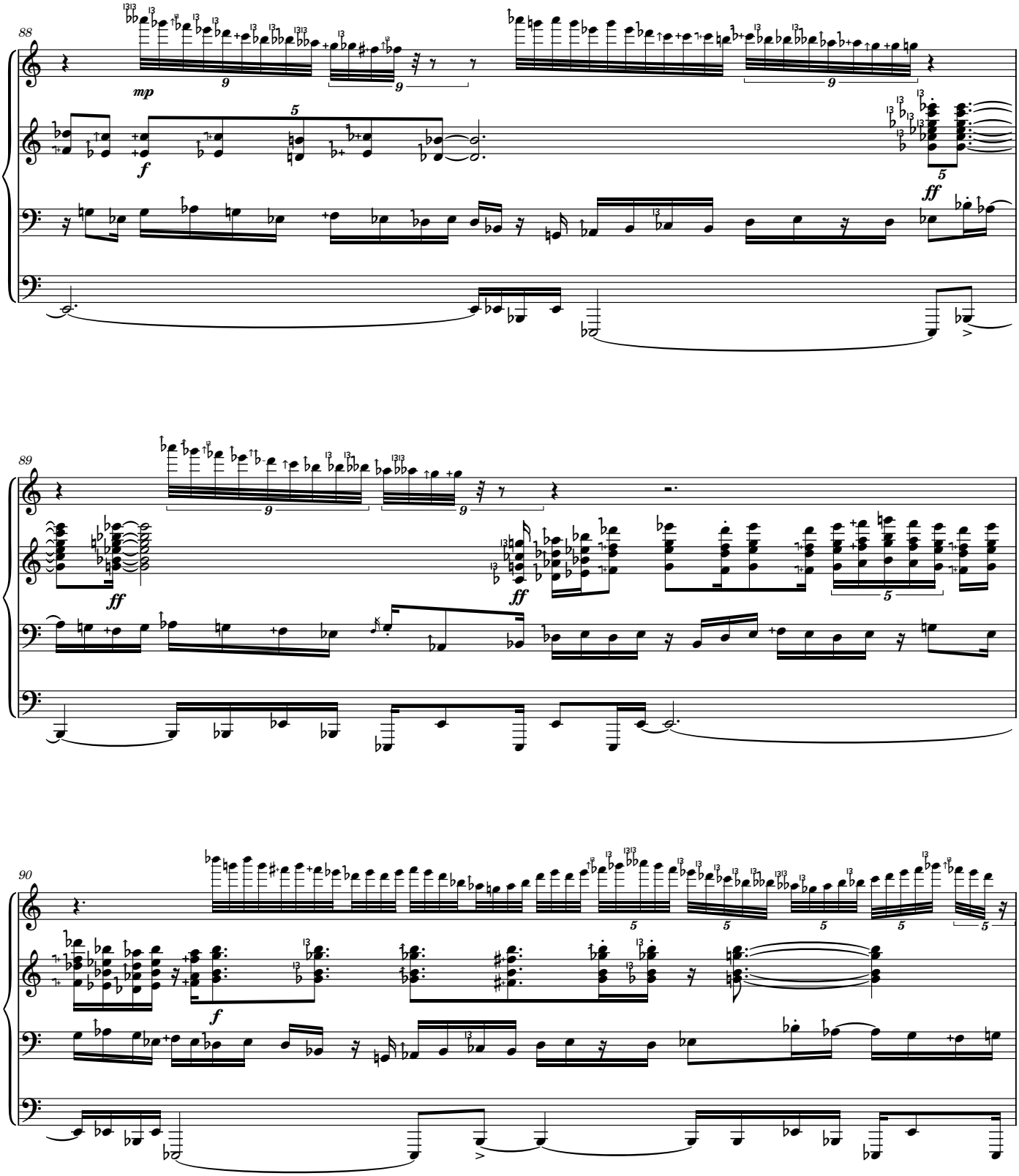

73
74
75
7:6
3:2
3:2
3:2
f
p
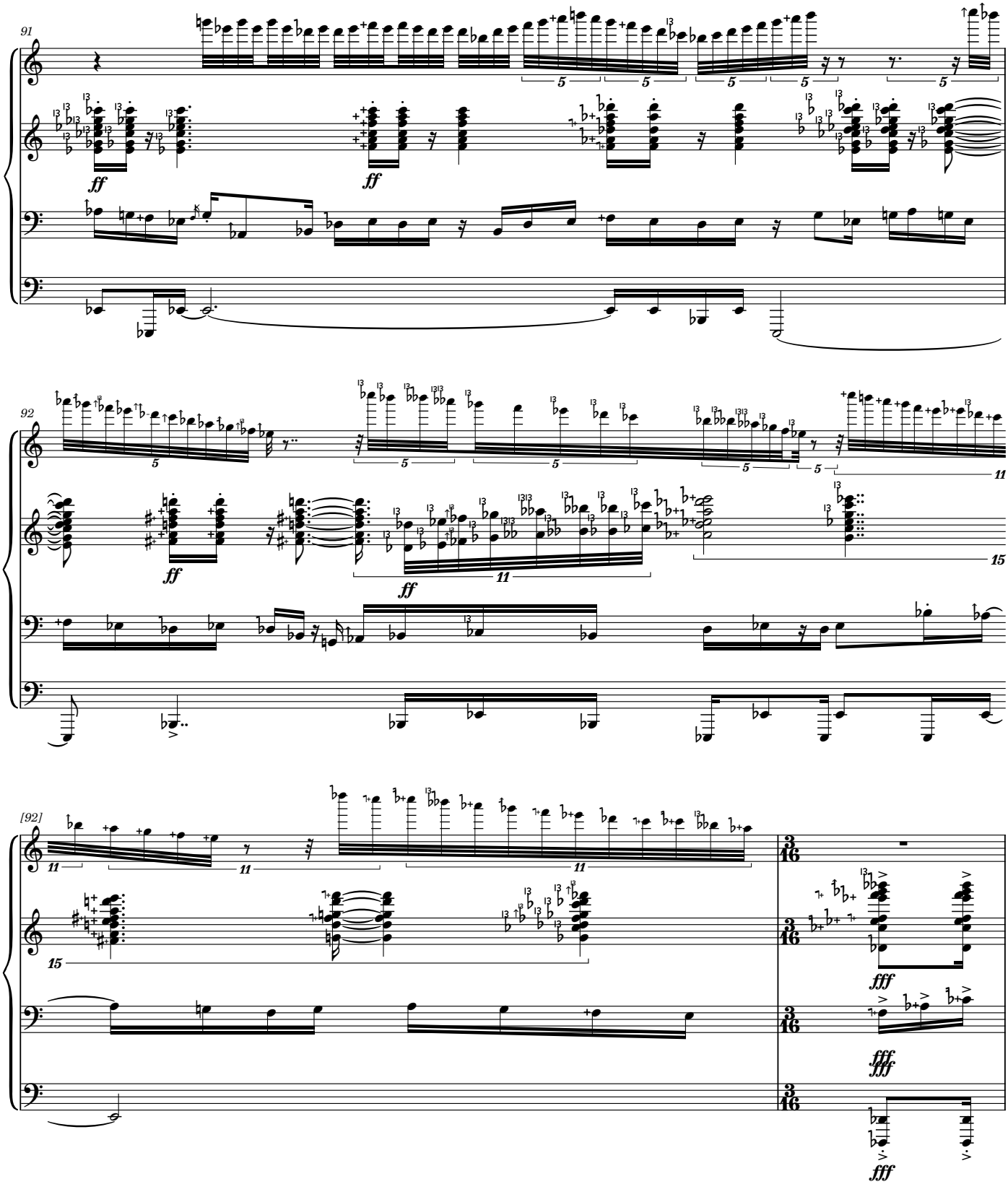

[75]
p
ff
3
3
77
p
ff
3
78
ff
5
ff
3:2
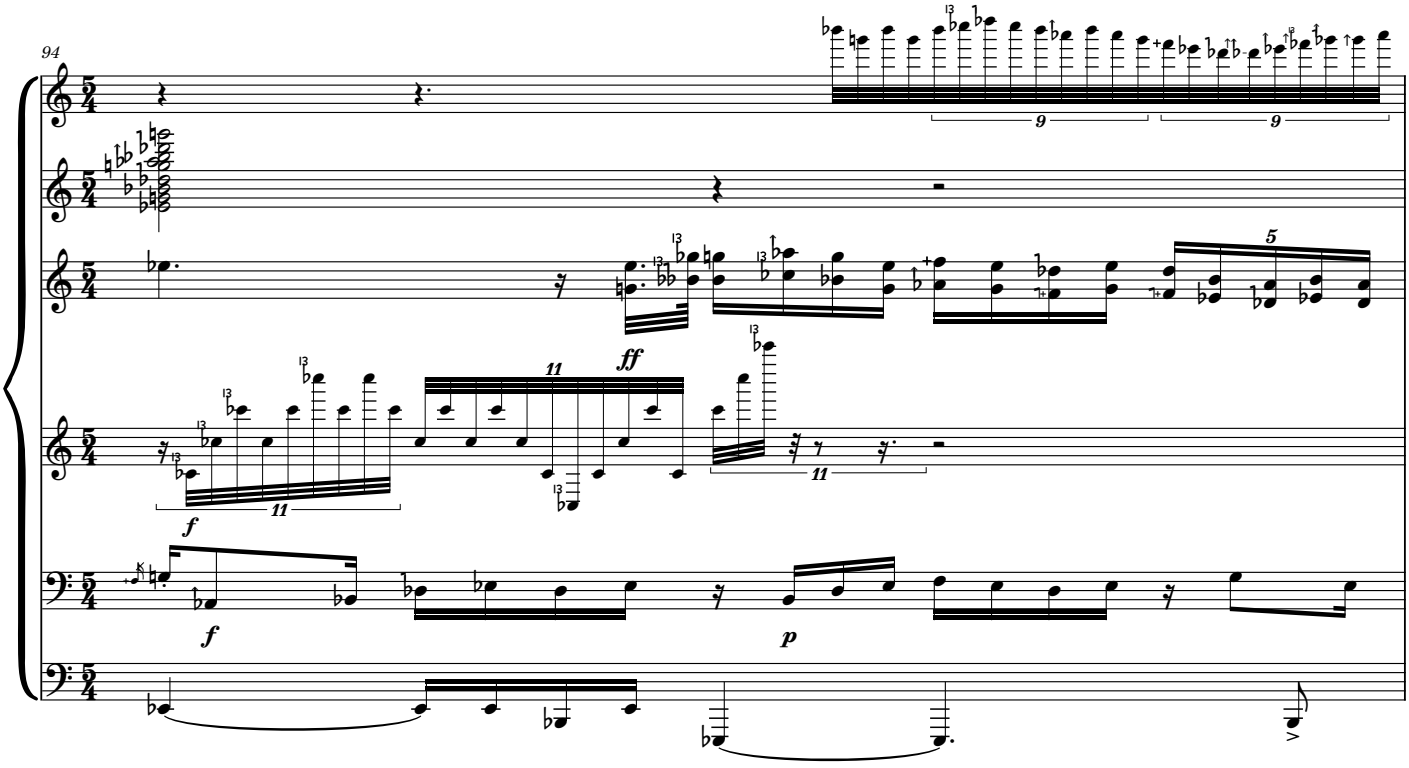

79
3:2
5:4
p
80
ff
5:4
9
81
9
9
9
9
9
3
5
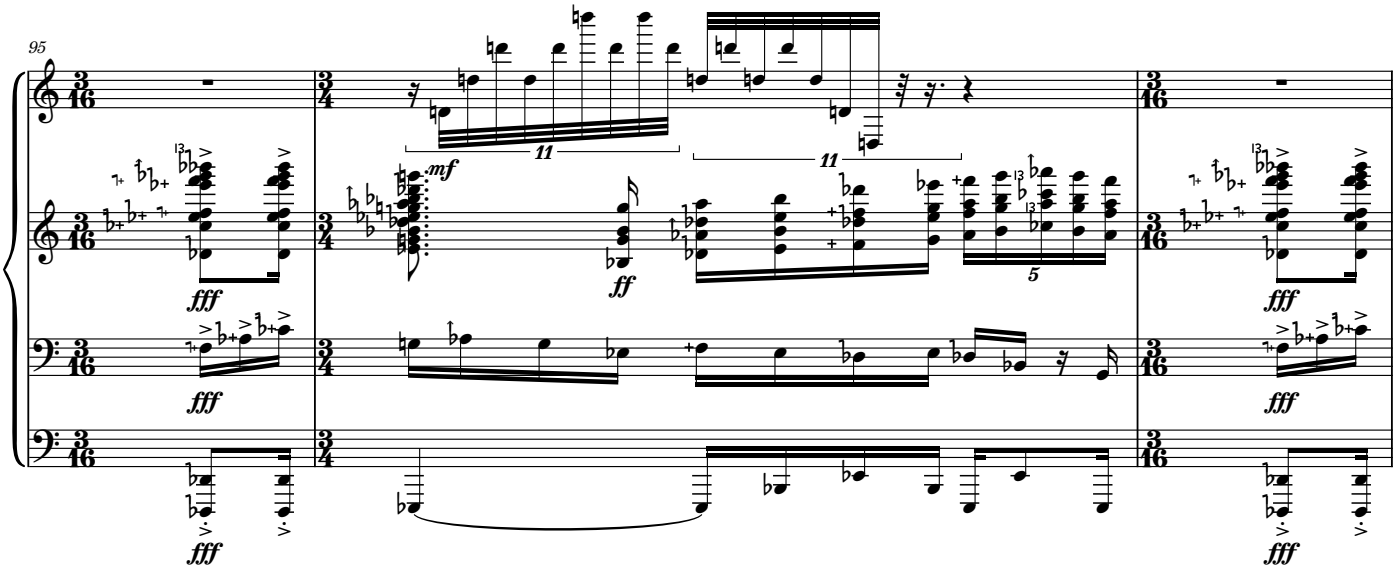

[81]
9
9
5:4
ff
ff
ff
ff
83
11
11
f
p
f
mp
84
mp
p
5
5
mp

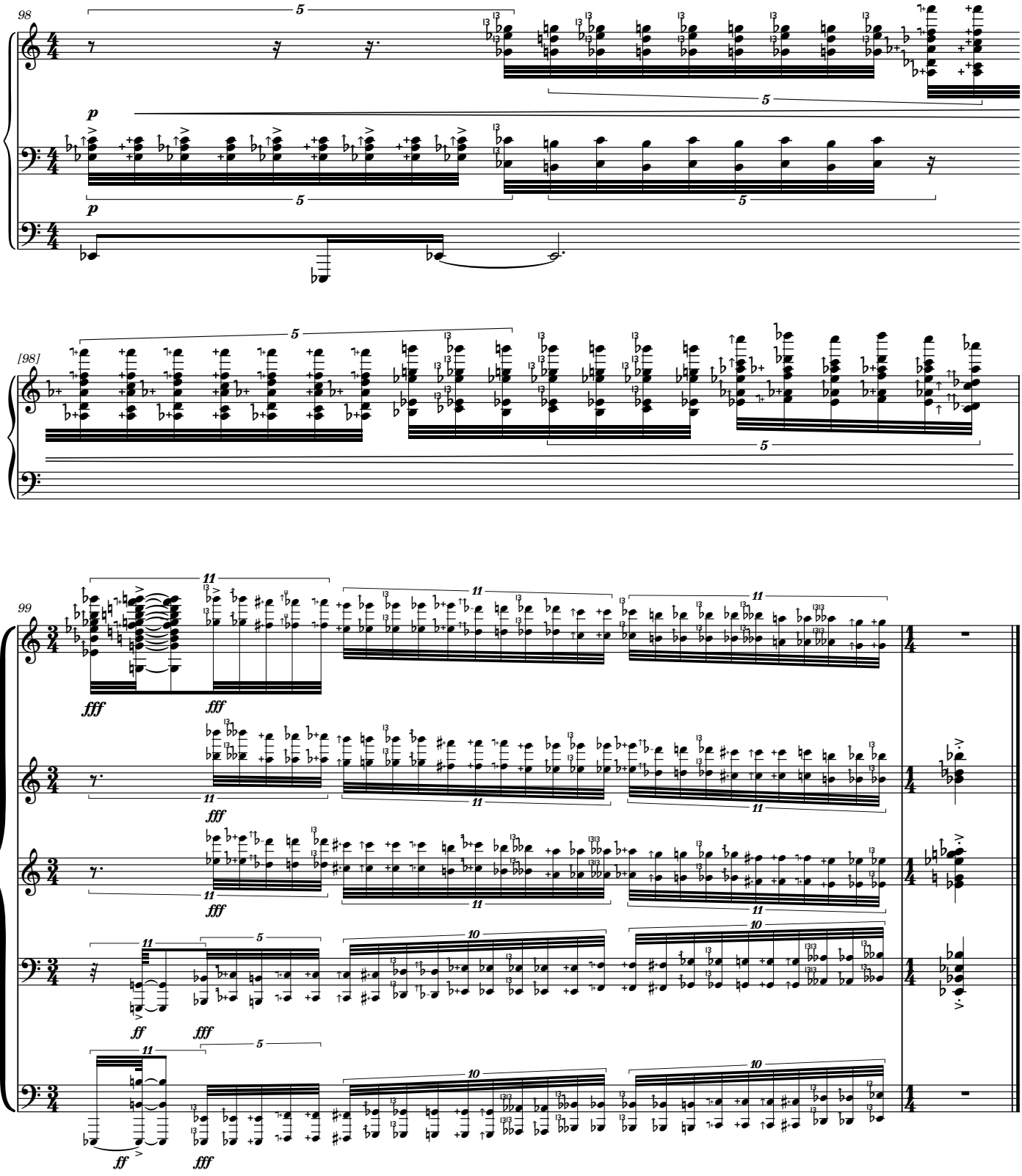

85
86
87
p
f
6:5


88
mp
f
ff
89
ff
ff
90
f


91
92
[92]
ff
fff
5
11
15


94
9
9
5
ff
11
f
11
f
p


95
11
11
mf
ff
5
fff
fff
fff
fff
fff


98
p
p
[98]
99
fff
fff
fff
fff
ff
fff
ff
fff