RED SHIFT 4

by Lois V Vierk

commissioined by Experimental Intermedia
with support from
The Mary Flagler Cary Charitable Trust

trumpet in B-flat*
cello
electric guitar
percussion
piano/synthesizer**

*Trumpet player also plays synthesizer with left hand from m. 156.

**July 28, 2024
I originally created the synthesizer sounds for the Yamaha TX81Z. If you have access to one of these units that's in good working condition, I can email you the MIDI files to load the sounds. Contact me as below.

As of recently, due to the superb work of composer and audio technologist Anastasia Clarke (anastasiaclarke@gmail.com), the synthesizer sounds can also be played using contemporary equipment and resources - a Mac computer plus specific software and files. Contact me as below for more information.

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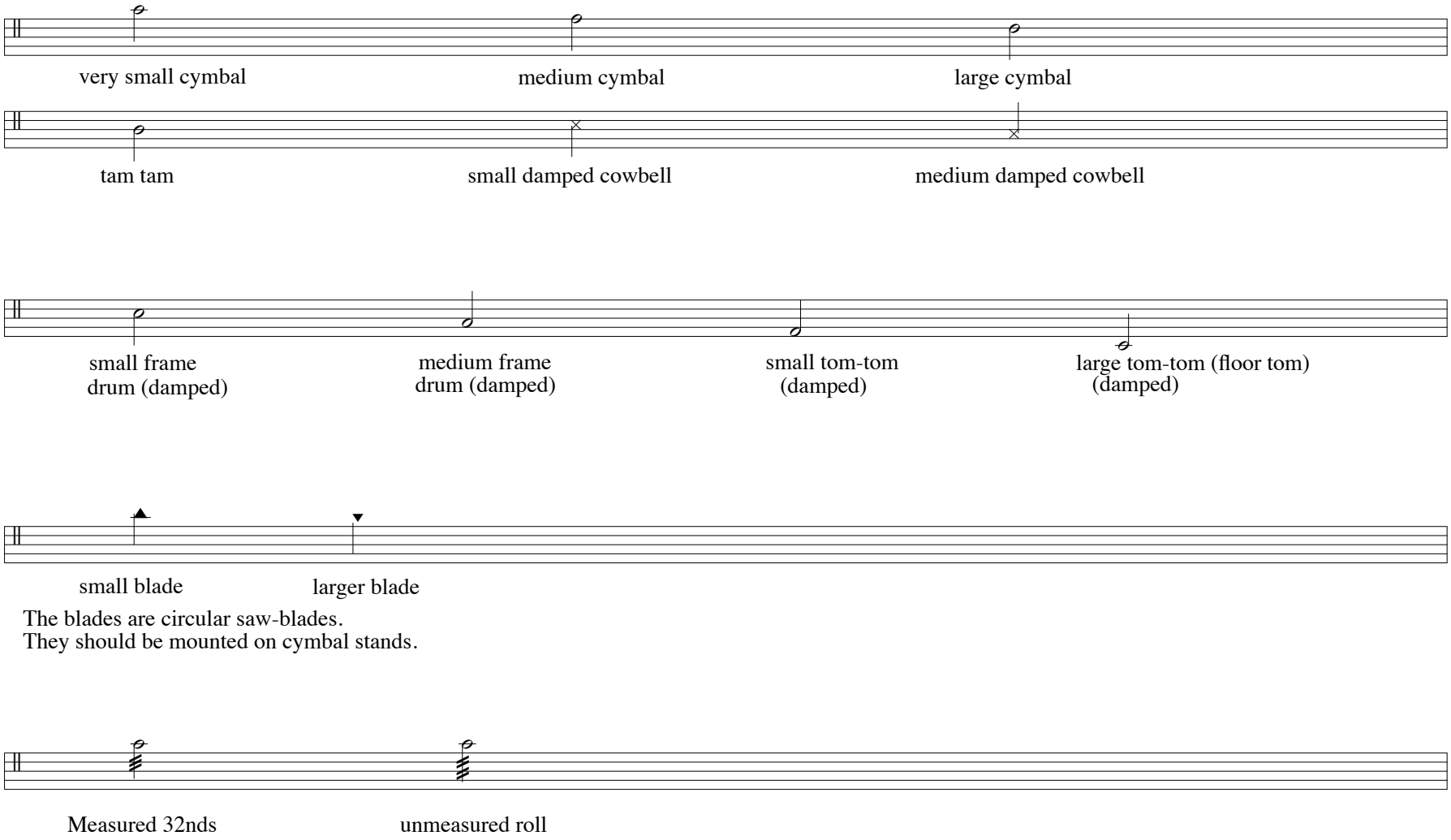
All instruments - play all dynamics and swells strongly, and exactly where marked.

Percussion

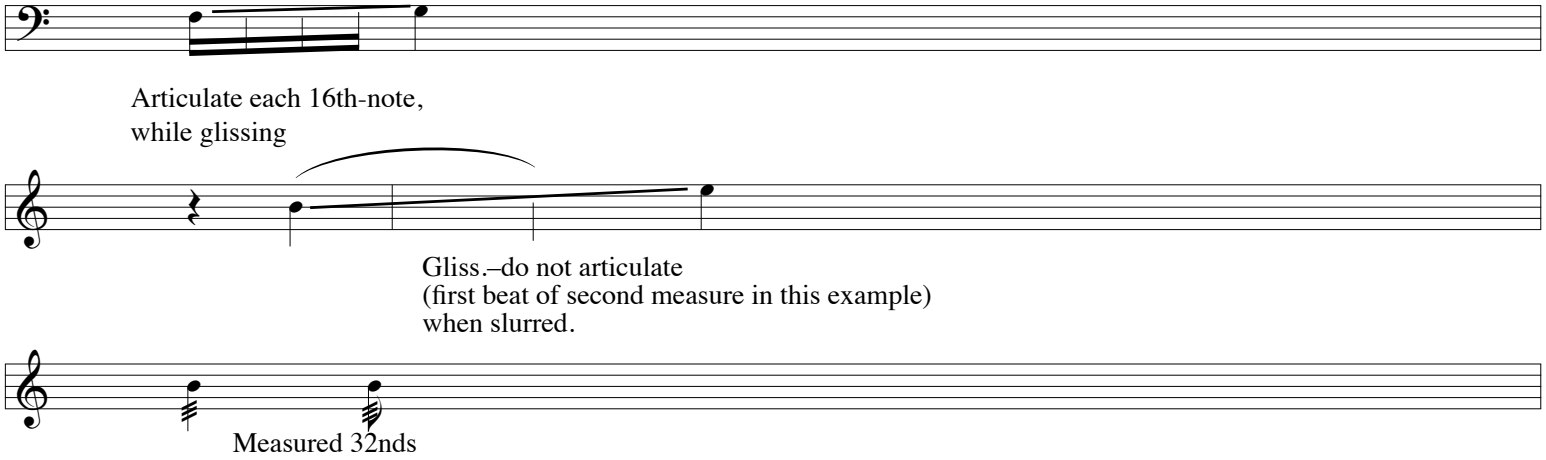
Let all notes ring unless marked to damp.
Play grace notes before the beat.
Play all dynamics and swells strongly, and exactly where marked.



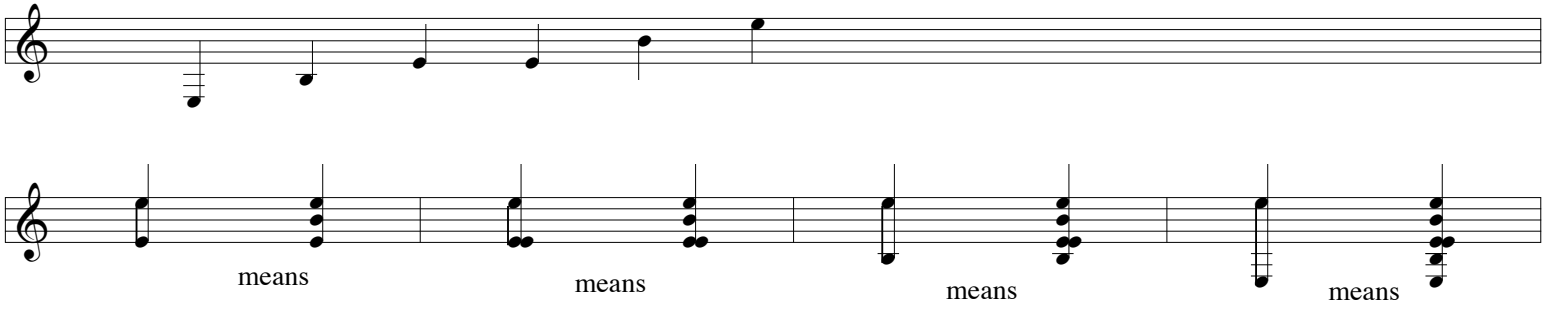
The blades are circular saw-blades.
They should be mounted on cymbal stands.

Cello, trumpet, electric guitar

This piece is completely NON VIBRATO.
Use entire note value for each glissando.
Play grace notes before the beat.
Trumpet glissandi are to be played with slide, not by changing fingering.
Cello glissandi are to be played on one string, not crossing strings.



Electric Guitar tuning



Assembling Parts

Synthesizer/Piano--
This part is made for 8.5 X 11 inch paper, US letter size.
Print double-sided, with odd numbered pages on the RIGHT, and bind into a booklet.

All other parts are made for 8.5 X 14 inch paper, US legal size.
Print single-sded and tape into booklets, with page turns as follows:

Cello--
pages 1-2
3-4
5-6
7-8
9-10
11-12-13 (three-page foldout)

Electric guitar--
1-2
3-4
5-6
7-8
9-10
11-12-13 (three-page foldout)

Percussion--
1-2
3-4
5-6
7-8-9 (three-page foldout)

Trumpet/synth--
1-2
3-4
5-6
7-8
9-10-11 (three-page foldout)

Conductor and Sound Engineer

Please note that at the beginning of the piece the electric guitar and trumpet are heard contrapuntally. The cello becomes more prominent, and from Letter A through then end of Letter D the main counterpoint is between cello and electric guitar and these instruments should be equally prominent. When the piano enters at measure 157, the main counterpoint is between piano (supported by cello) and electric guitar. Make sure piano is heard strongly.

Miscellaneous performance instructions

Cello must play more articulated and more accented than normal, to blend with electric guitar. Likewise, electric guitar sound and also the guitar pick should be chosen to blend with the cello sound, as much as possible.

This piece is completely NON VIBRATO - all instruments, entire piece
All dynamics and swells should be played strongly, and exactly where marked.

Use entire note value for each glissando.

Play grace notes before the beat.

Trumpet glissandi are to be played with slide, not by changing fingering.

Cello glissandi are to be played on one string, not crossing strings.

Percussion - let all notes ring.

Keyboard player, measures 1 - 156, can play synth right left hand and conduct ensemble with right hand.

Trumpet player plays synthesizer with left hand from measure 157 to the end.

Synthesizer

Synthesizer is Yamaha TX81Z. Midi files are availablefrom composer for downloading voices into synth. (If this synth is not available please contact composer.)

Make sure synthesizer is in "PERFORM" mode (not "play"). Use controller keyboard with touch sensitivity. Be careful that synth is sounding in the correct octave. Since synth voices are built up of different sounds in different octaves, the correct octave may not be totally obvious at first. Suggest that you compare your synth sounds to the recording. All synth sounds are mono.

Trumpet player plays synth with left hand, from measure 157 to the end. Suggest having 2 controller keyboards to make logistics easier.

Mixing *Red Shift 4* -- VERY IMPORTANT!!!!

This music is very dense. Yet all instruments, both electric and acoustic, must always be heard strongly and cleanly. The sound engineer is an important and indispensable performer. Sound engineer needs to rehearse with the ensemble.

This piece requires careful mixing and a high quality stereo sound system. Ample time for sound check is required.

To make the piece clear and powerful, all the instruments need to be amplified (except floor tom, and maybe cymbals, depending on acoustics and size of the room). Acoustic instruments must each be close-miked. All the instruments are to be put through a high quality sound system, not guitar amps. This includes the guitar -- use the sound system for the electric guitar, too. The idea is to blend the instruments and make their timbres sound as much alike as possible.

Careful panning is essential for clarity of sound.

During the performance the sound engineer must be constantly listening and adjusting levels. For example, the cello and electric guitar are meant to blend as much as possible, and balance each other. When the piano enters, it should be heard clearly and strongly. The sound engineer also must regulate the levels of the synthesizer. The synth should always be present, but it should not overpower any other isntruments. (An effort was made to program the synthesizer levels to be as even as possible, but when the synth changes from one sound to another the levels also change somewhat, too.)

The piece begins softly and then continually gets louder to the end. Boost levels of all instruments slightly at the end (approx. 11:30 into the piece) and then again for the last few measures (approx. 12:00).

In general, all the instruments must be heard all the time.

Composer favors listing the sound engineer as one of the performers.

***Red Shift 4* (1991)**
by Lois V Vierk

The title of this piece refers to the way in which astronomers and physicists measure movement and distances of distant celestial bodies. Briefly, characteristic lines and patterns made by different elements found in the star, etc., as observed through a spectrometer, are shifted in one direction or the other, towards the red or towards the blue end of the spectrum, depending on whether the body is moving away from us or towards us. This shift is called the "red shift".

When I wrote this work, I had the feeling of something of great mass and motion, far away, like a comet. It first seemed to move slowly, then gradually began accelerating toward us, faster and faster, until finally at great speed it I felt it sweeping down upon us, through us, and back out into the heavens.

During the 1980s and into the '90s I worked on developing principles of "Exponential Structure", in which elements such as time, harmonic motion, rhythmic and timbral development, sound density, etc. are controlled mathematically by exponential factors. These are not meant to be abstract constructs, but formal ideas based on the emotional thrust of the sounds and of the piece as a whole. The harmonic motion (movement from one pitch center to another), with its ever-decreasing time segments, is the clearest expression of Exponential Structure in this work.

The original 1989 version of *Red Shift* (cello, electric guitar, percussion, synthesizer) was commissioned by the Experimental Intermedia Foundation with support from the Mary Flagler Cary Charitable Trust and is available on CD from Tzadik Records. In 1991 the piece was reorchestrated as *Red Shift 4* for A Cloud Nine Consort and again for Ensemble Modern.

RED SHIFT 4

Lois V Vierk

1 NON VIBRATO, all instruments, entire piece

Bb Trumpet - Score is in C

straight mute

pp mp pp mp pp mp pp

Cello

p ppp

Electric Guitar

Amplified through sound system, NOT guitar amp.

pull pull

p

Percussion

p

Synthesizer-Yamaha TX81Z*

Amplified through sound system, NOT guitar amp.

(Before piece starts, touch low F, the pitch in m. 3, to set synth's envelope follower)

*Synth voices sound differently from what they look like in score.Specs for voices are found at the end of this score.

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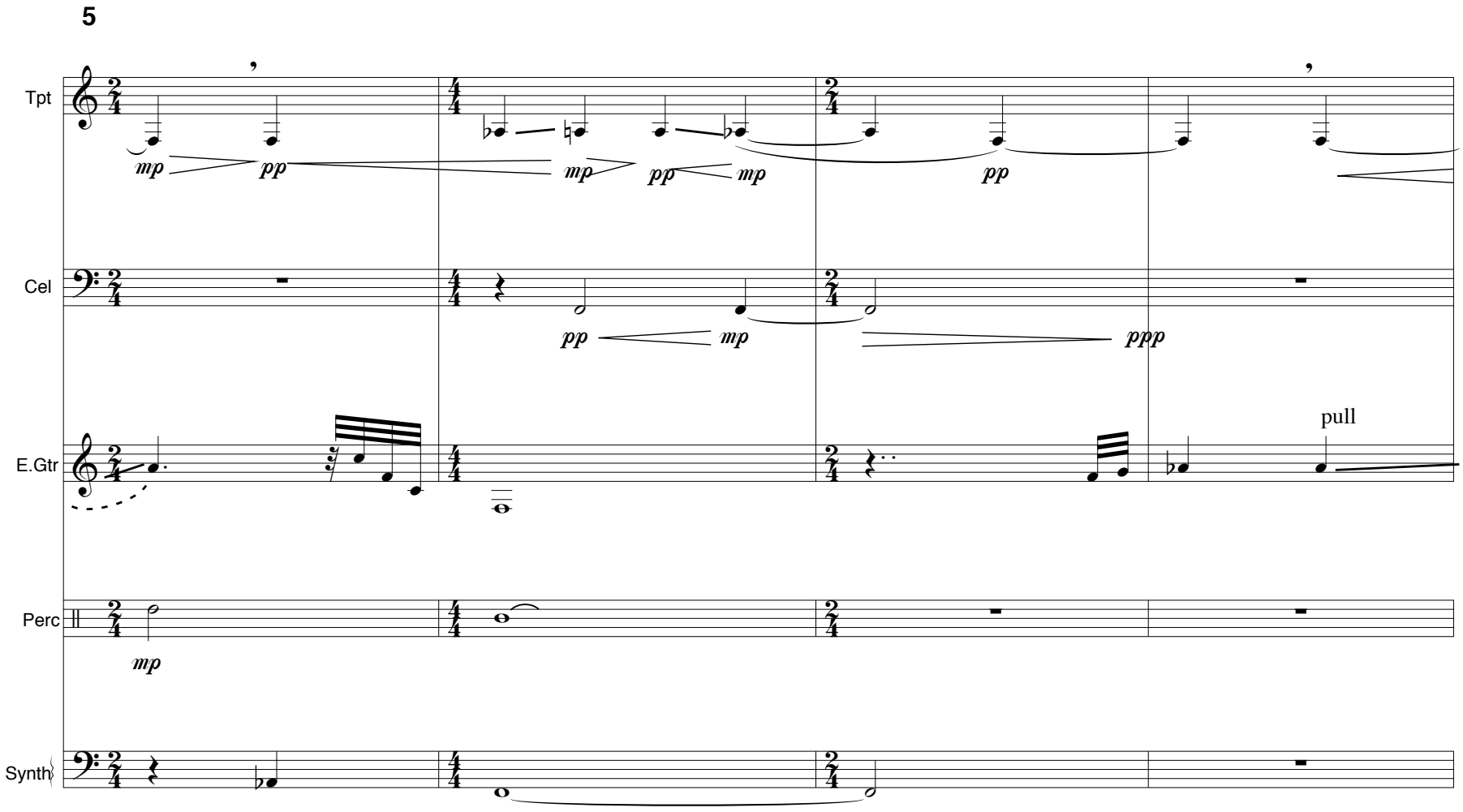
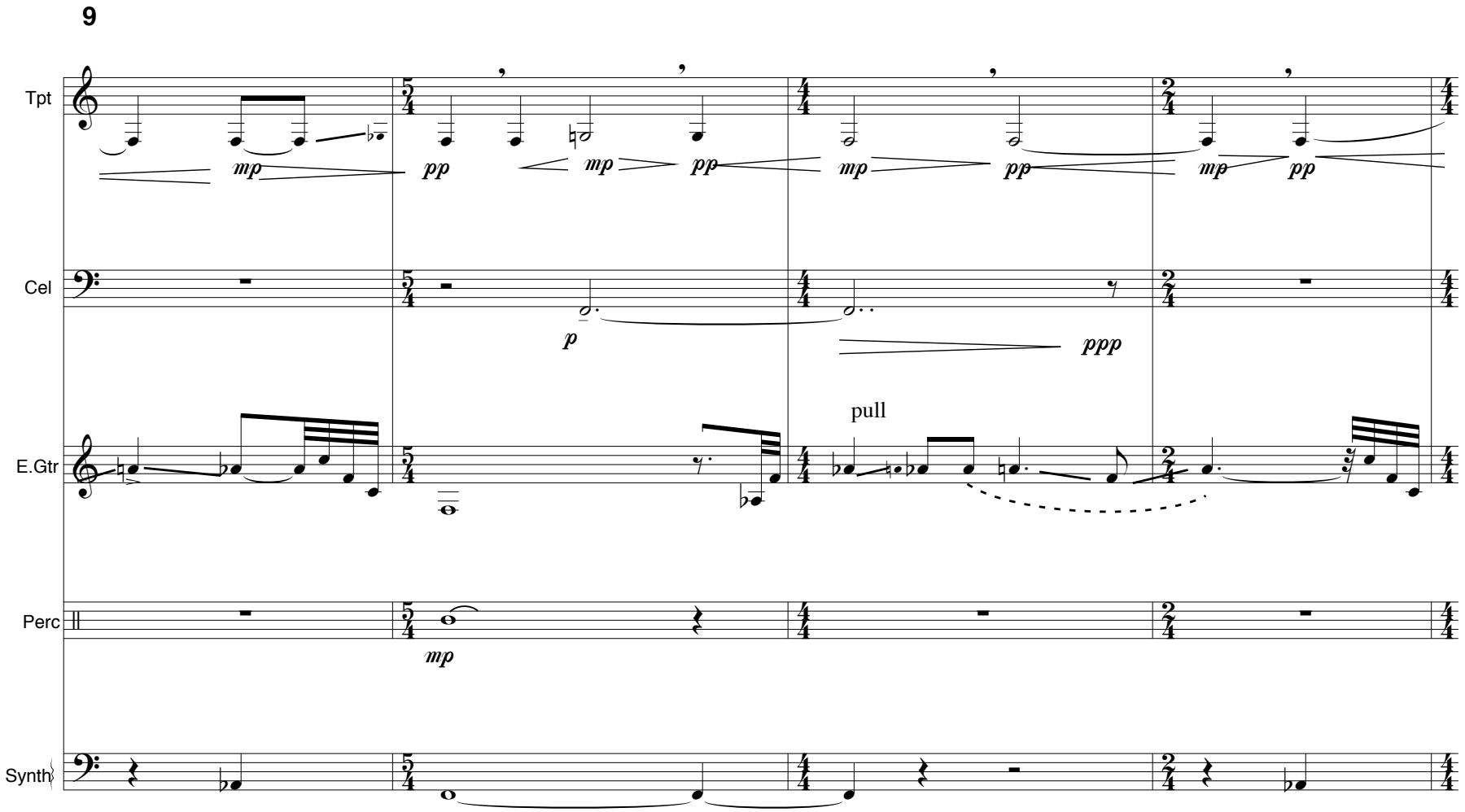
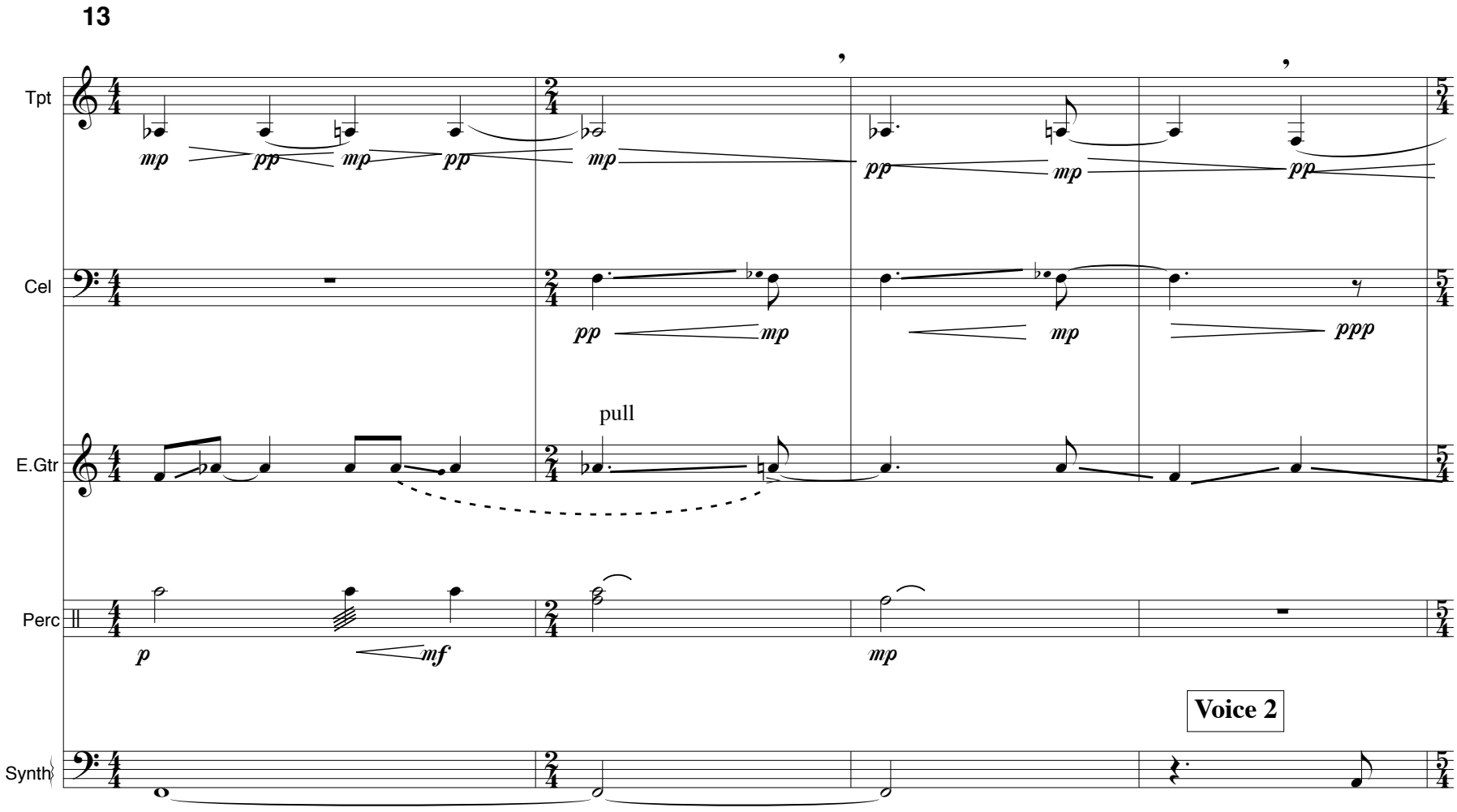
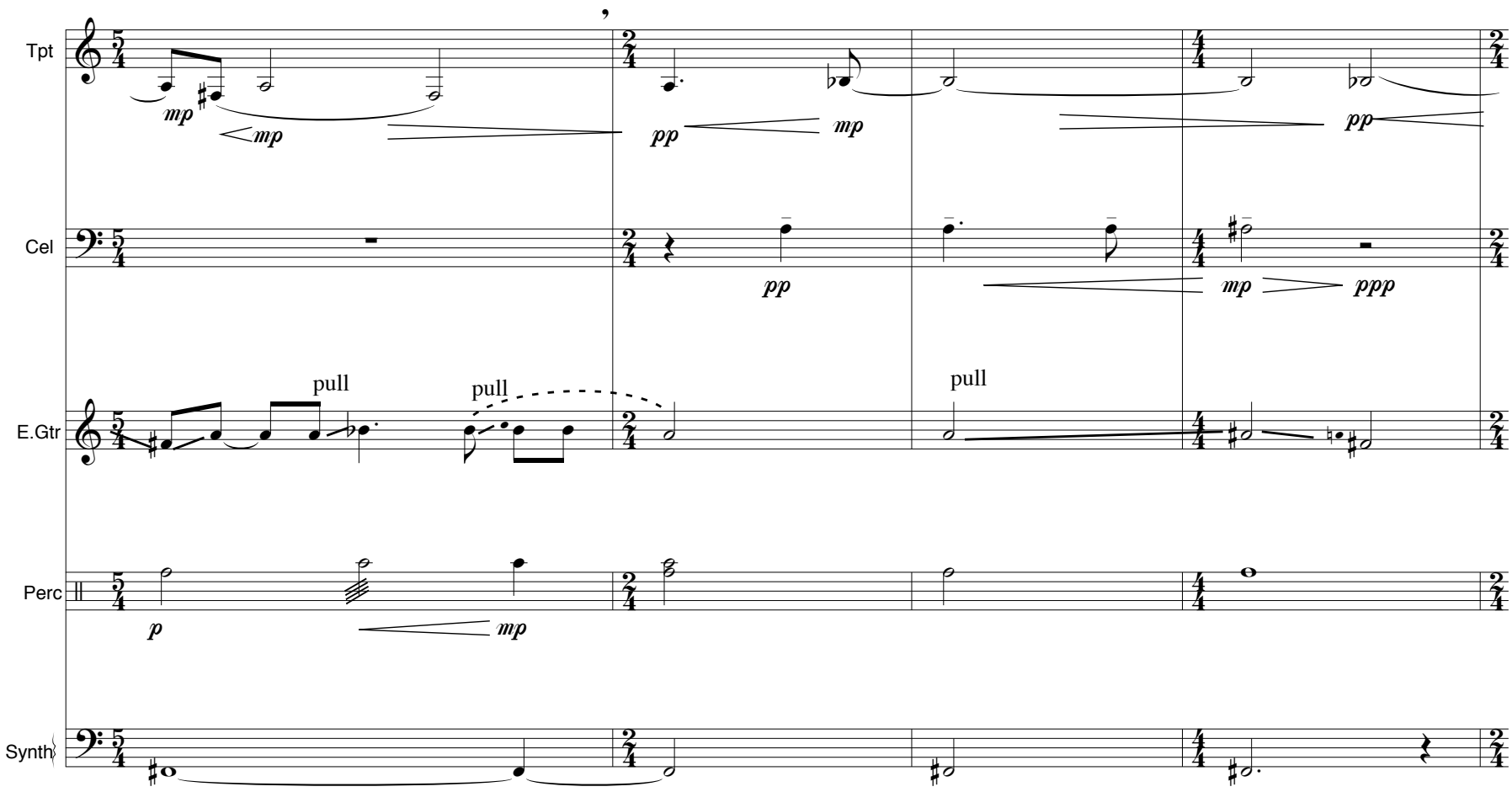
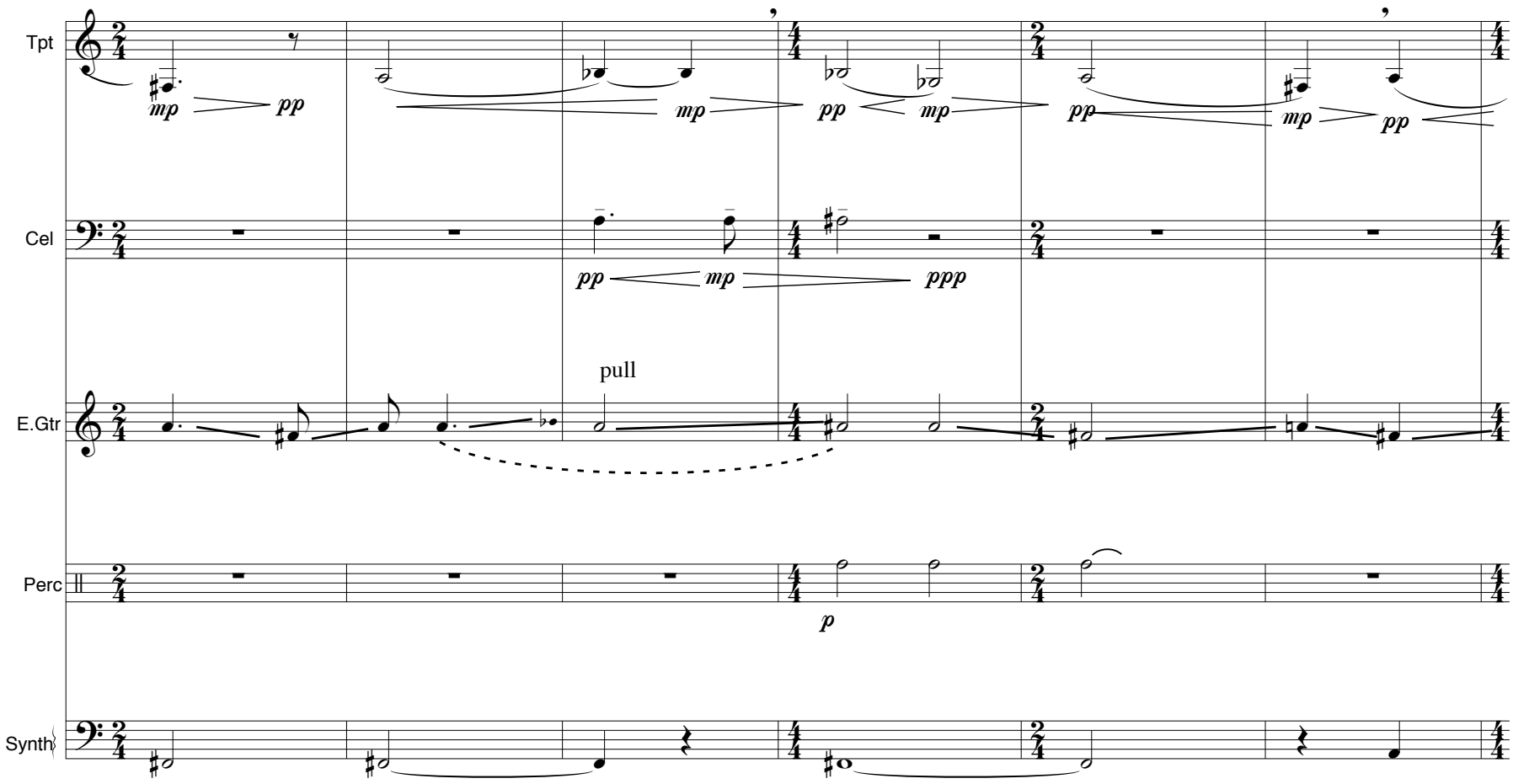

5
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
mp
pp
pp
mp
ppp
pull
mp

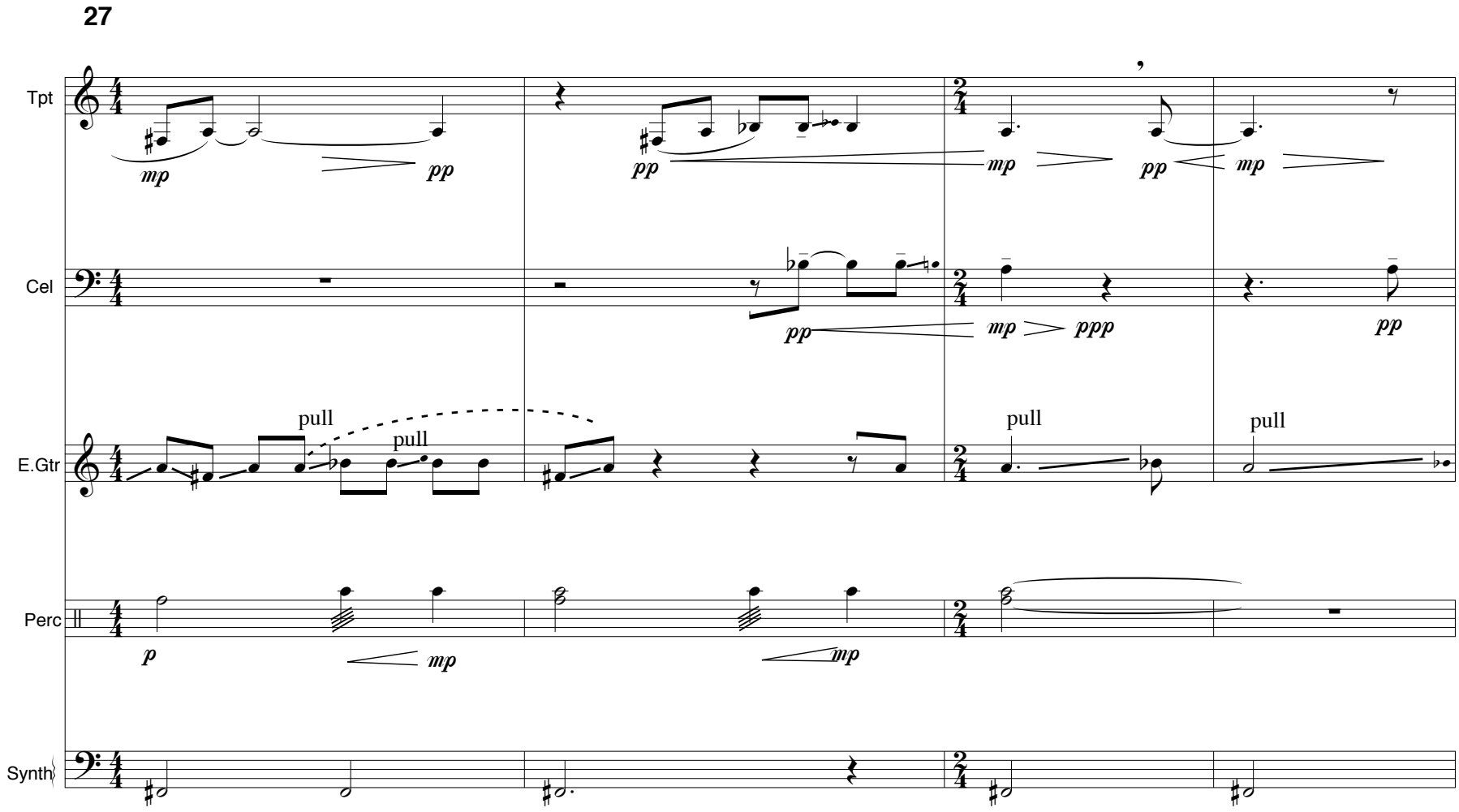

9
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
mp
pp
mp
pp
p
ppp
pull
mp

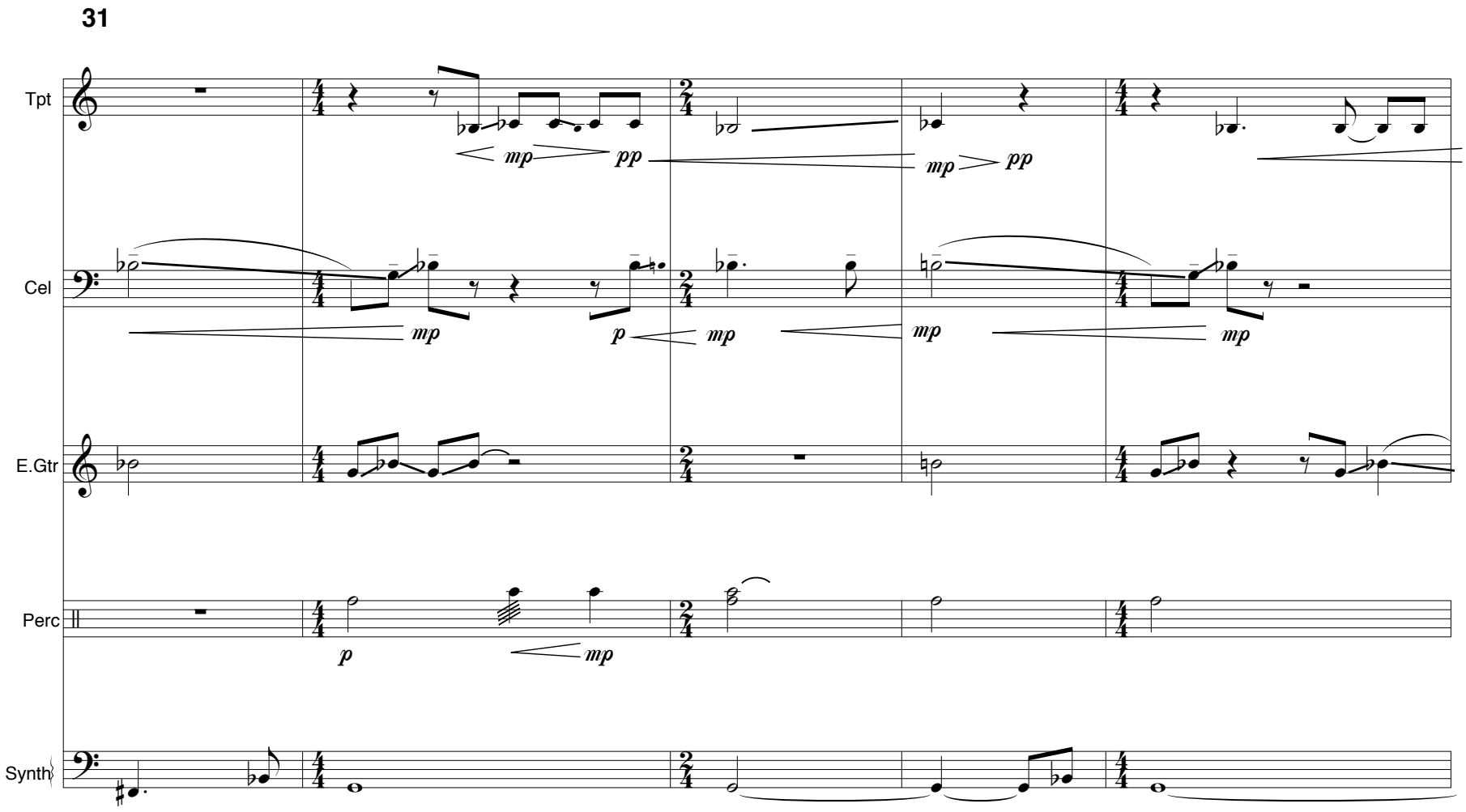

13
Tpt
Cel
E.Gtr
Perc
Synth
pull
Voice 2

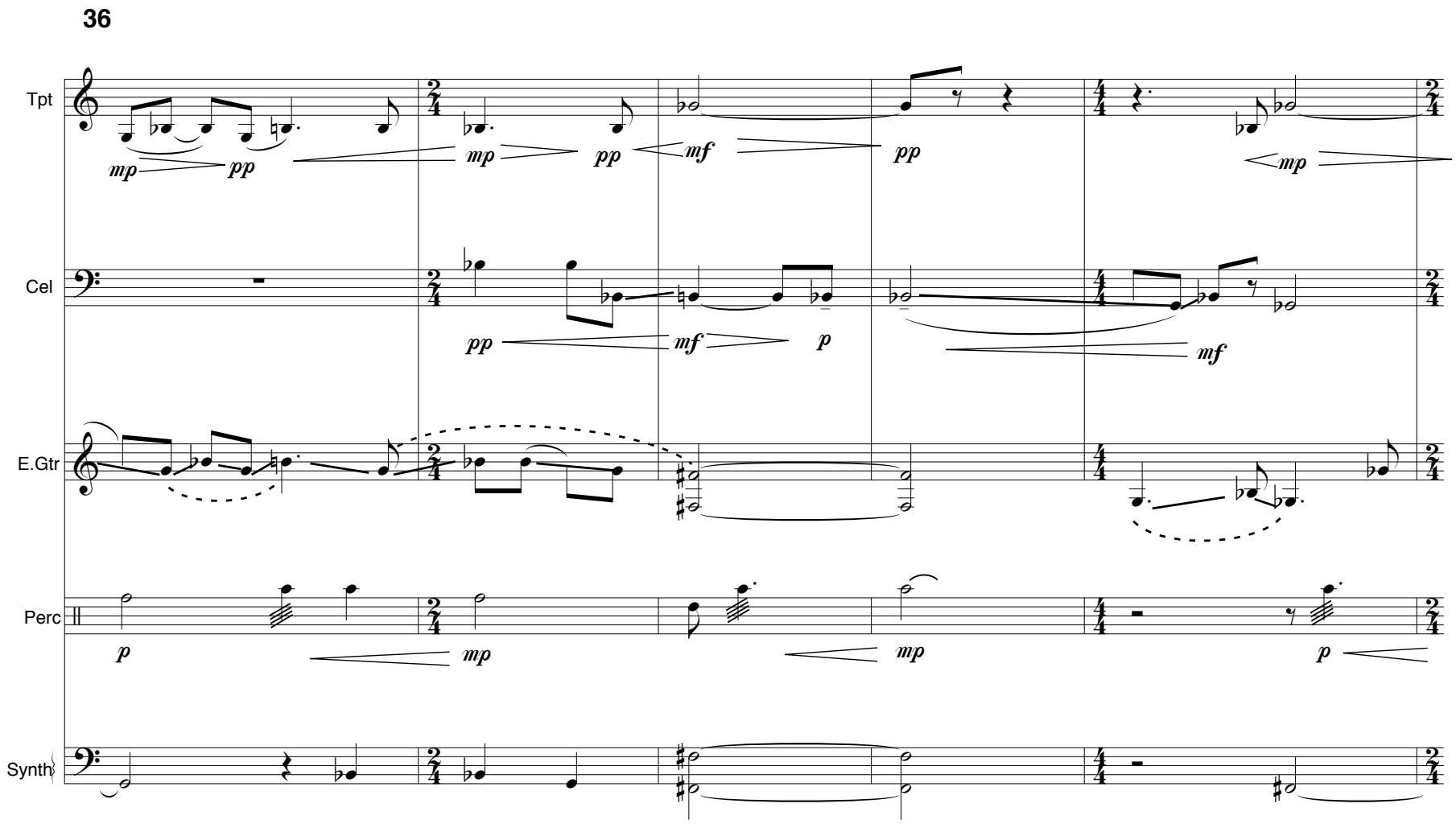

17
Tpt
Cel
E.Gtr
Perc
Synth
mp
mp
pp
mp
pp
pp
mp
ppp
pull
pull
pull
p
mp

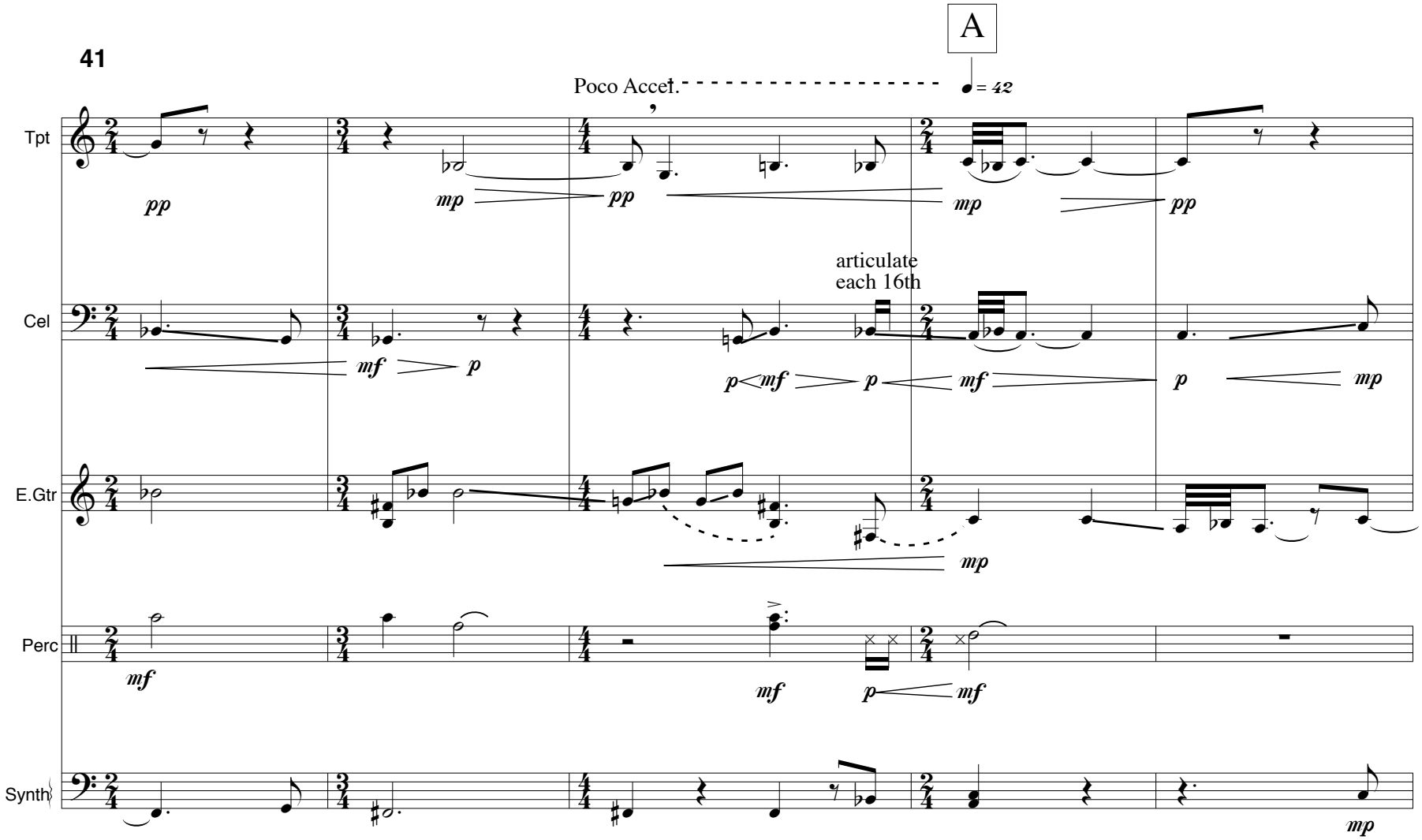
21

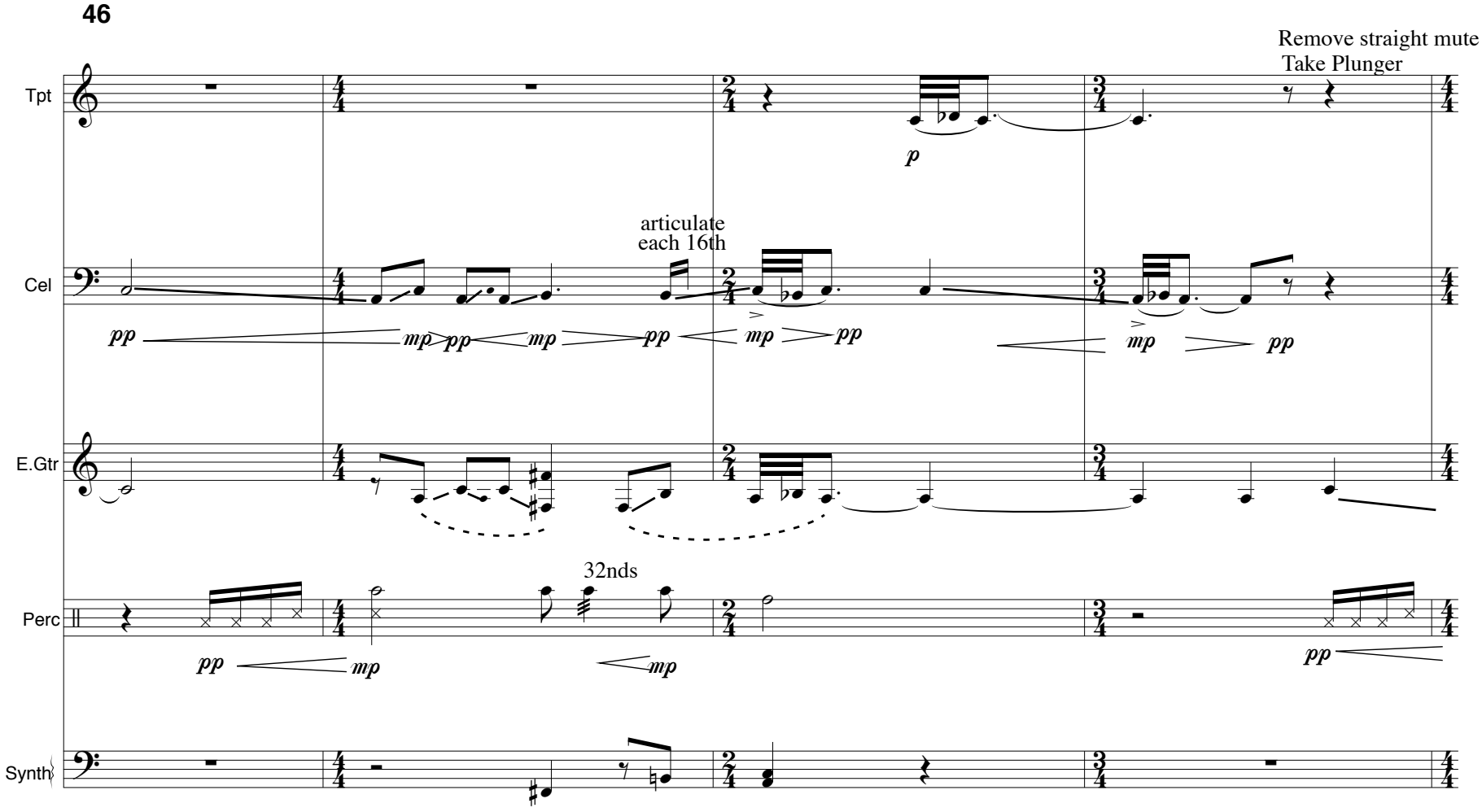



27
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
pp
mp
pp
mp
pp
mp
ppp
pp
pull
pull
pull
pull
p
mp
mp

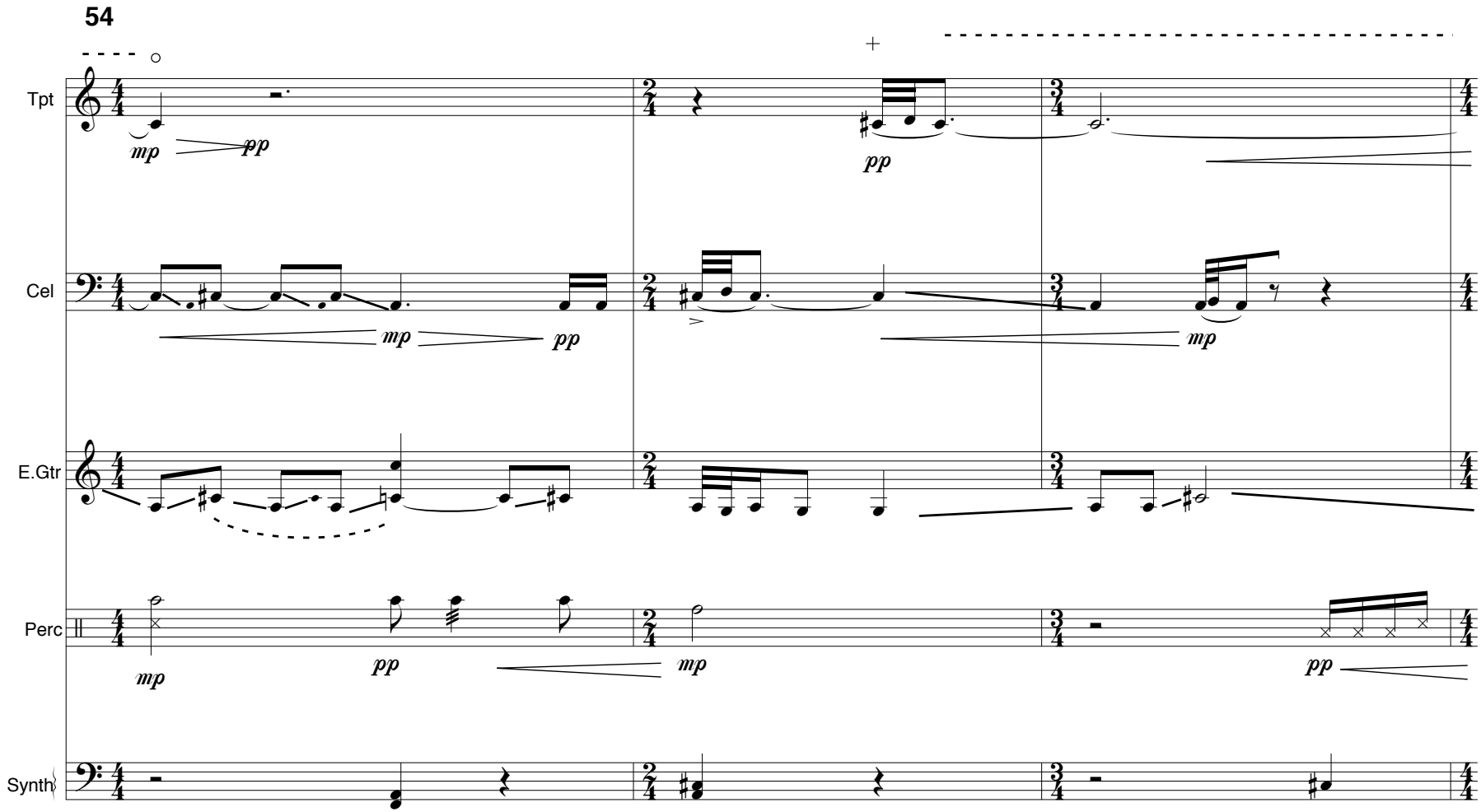

31
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
mp
p
mp
mp
mp
p
mp

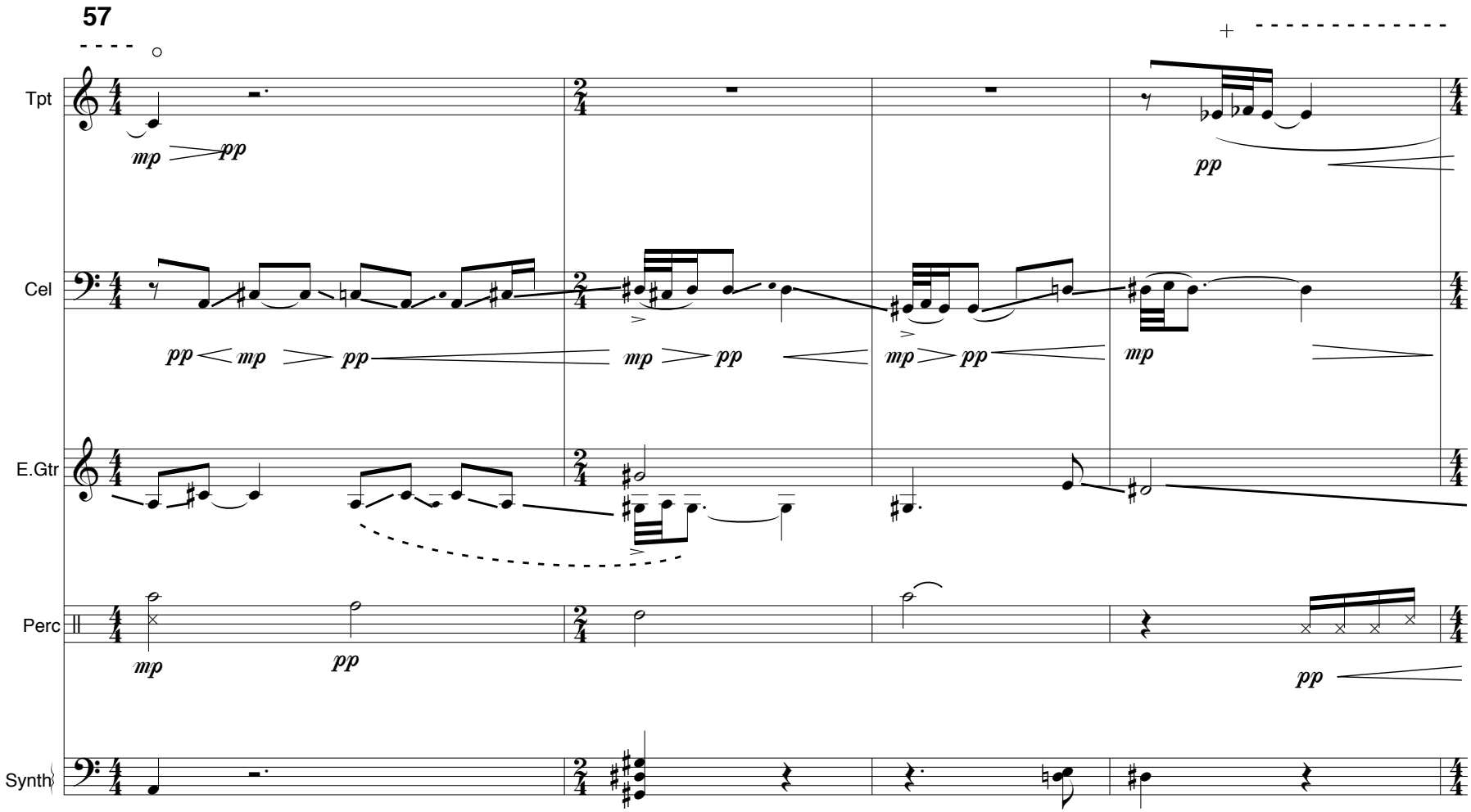

36
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
mf
pp
mp
pp
mf
p
mf
p
mp
mp
p

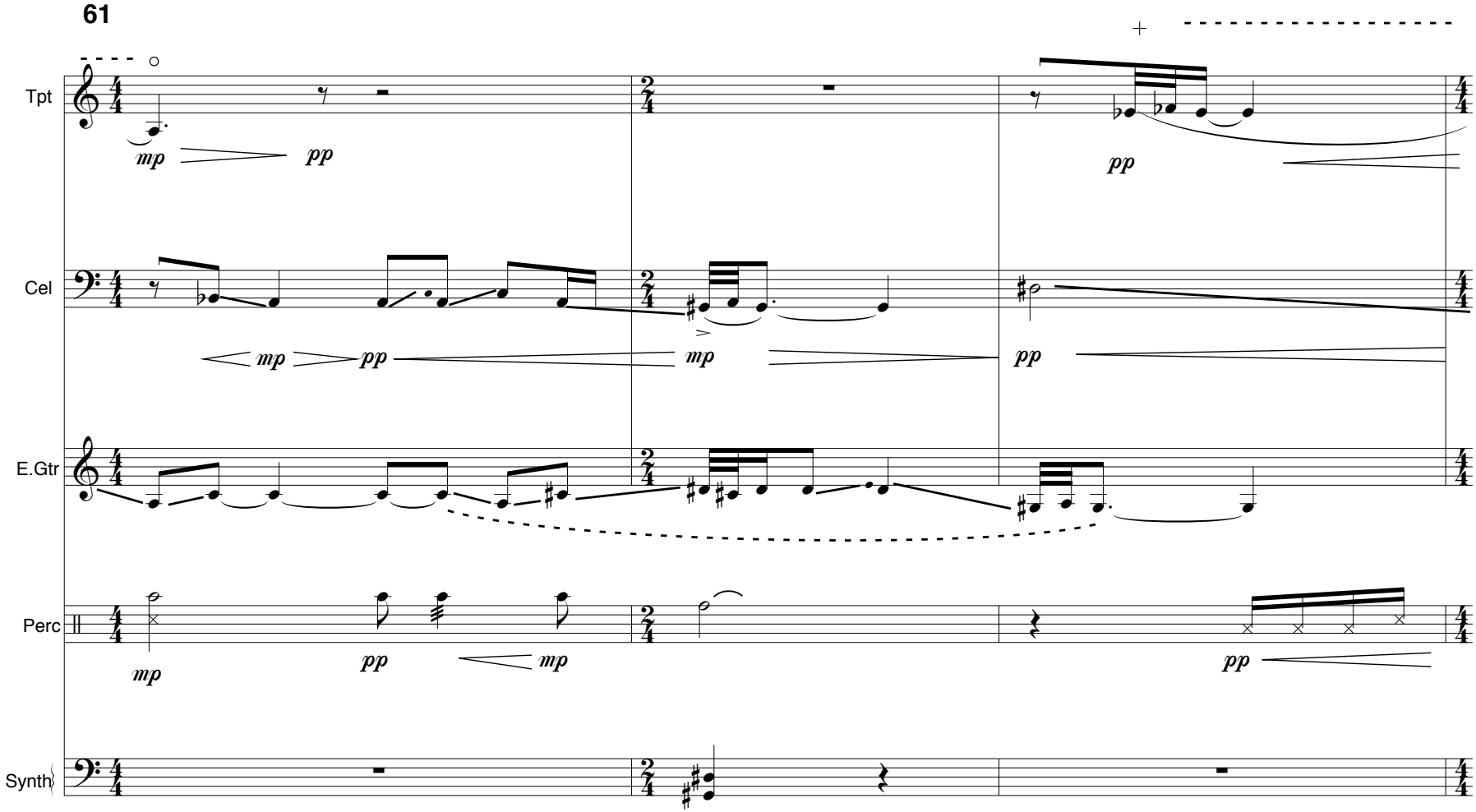

41
A
Poco Accel.
= 42
Tpt
Cel
E.Gtr
Perc
Synth
articulate
each 16th

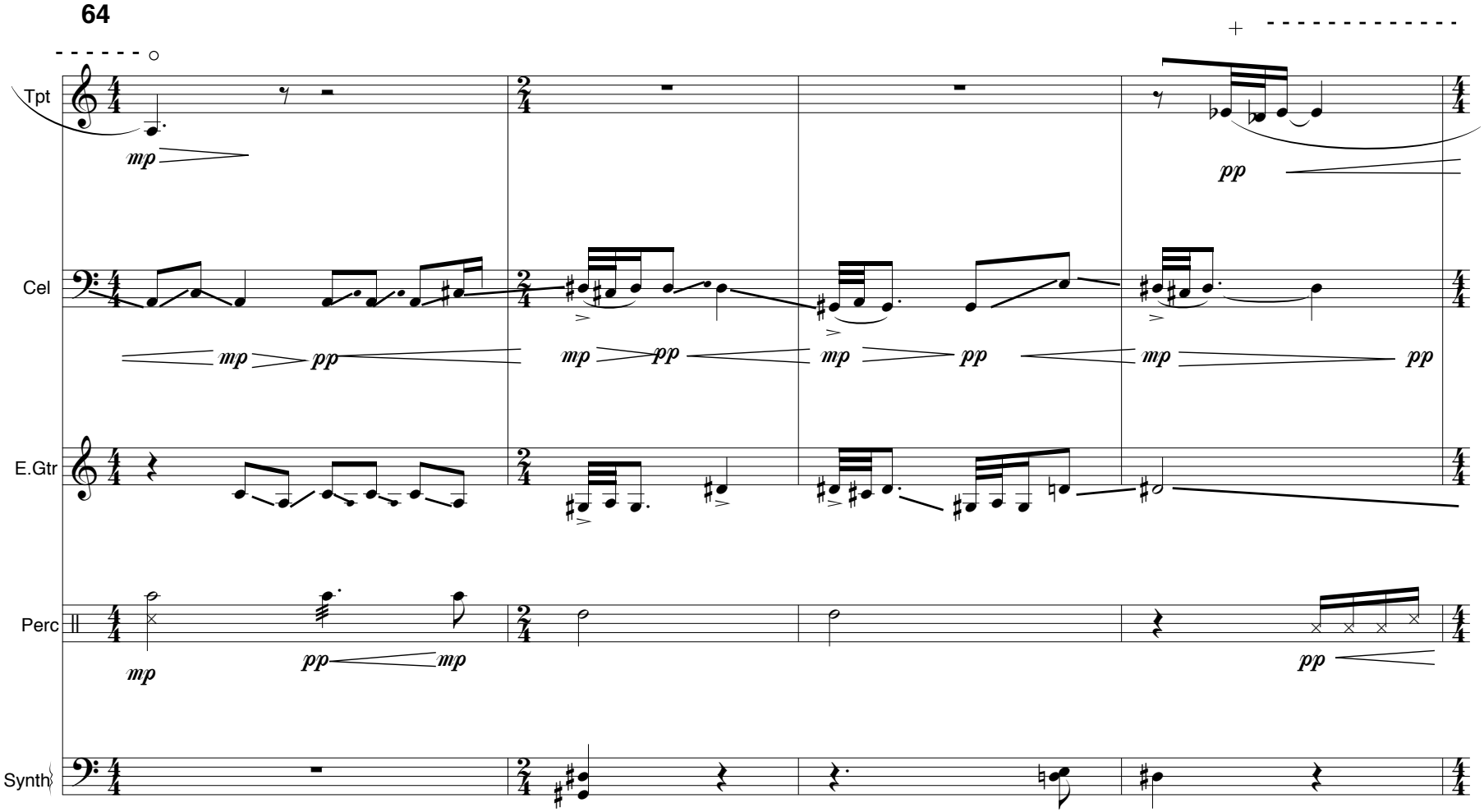

46
Remove straight mute
Take Plunger
Tpt
Cel
articulate
each 16th
E.Gtr
32nds
Perc
Synth

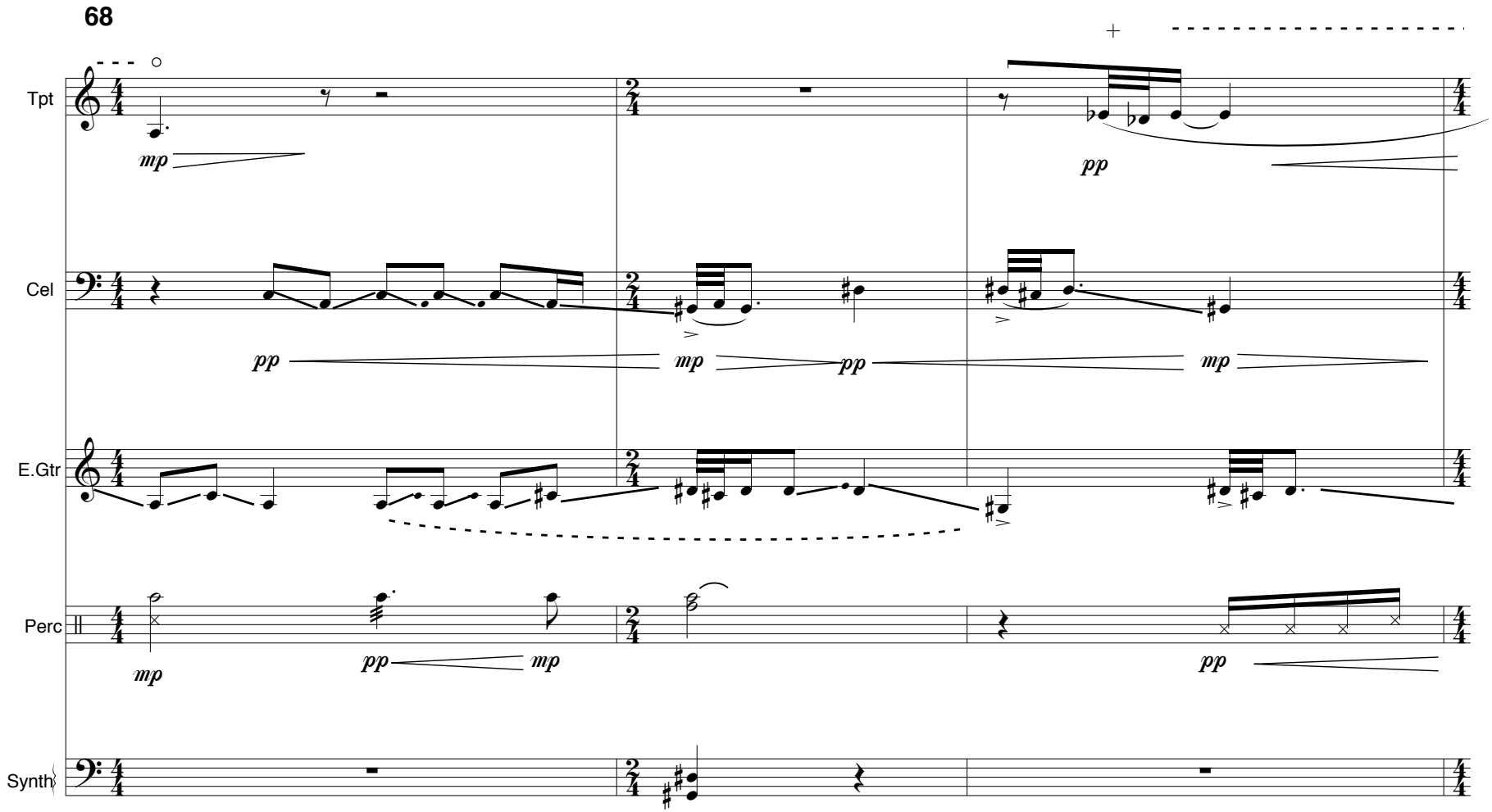

50
With Plunger
(gradually open)
Tpt
Cel
E.Gtr
Perc
Synth
pp
mp
pp
mp
pp
mp
pp
mp
pp
pp

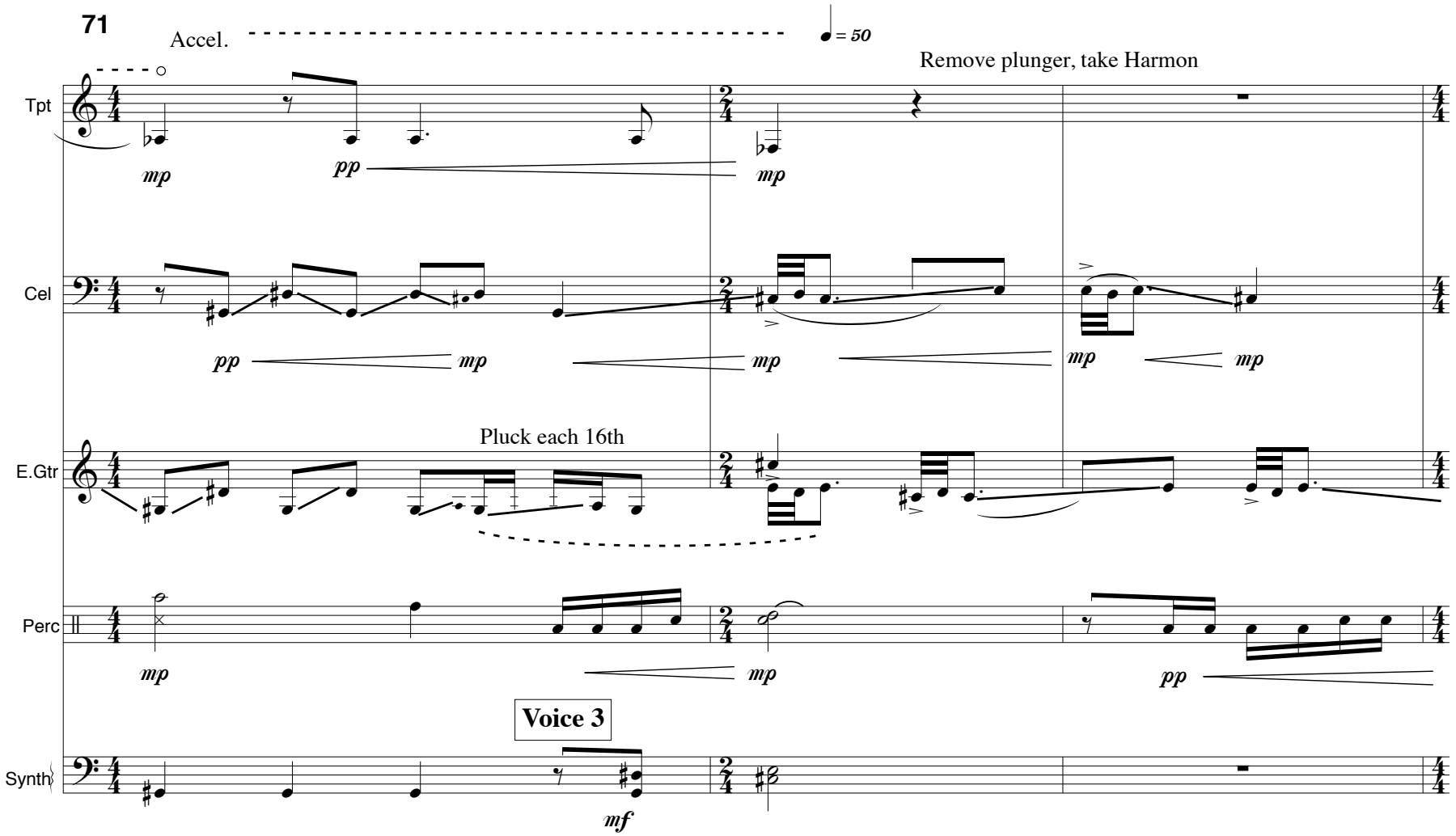

54
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp

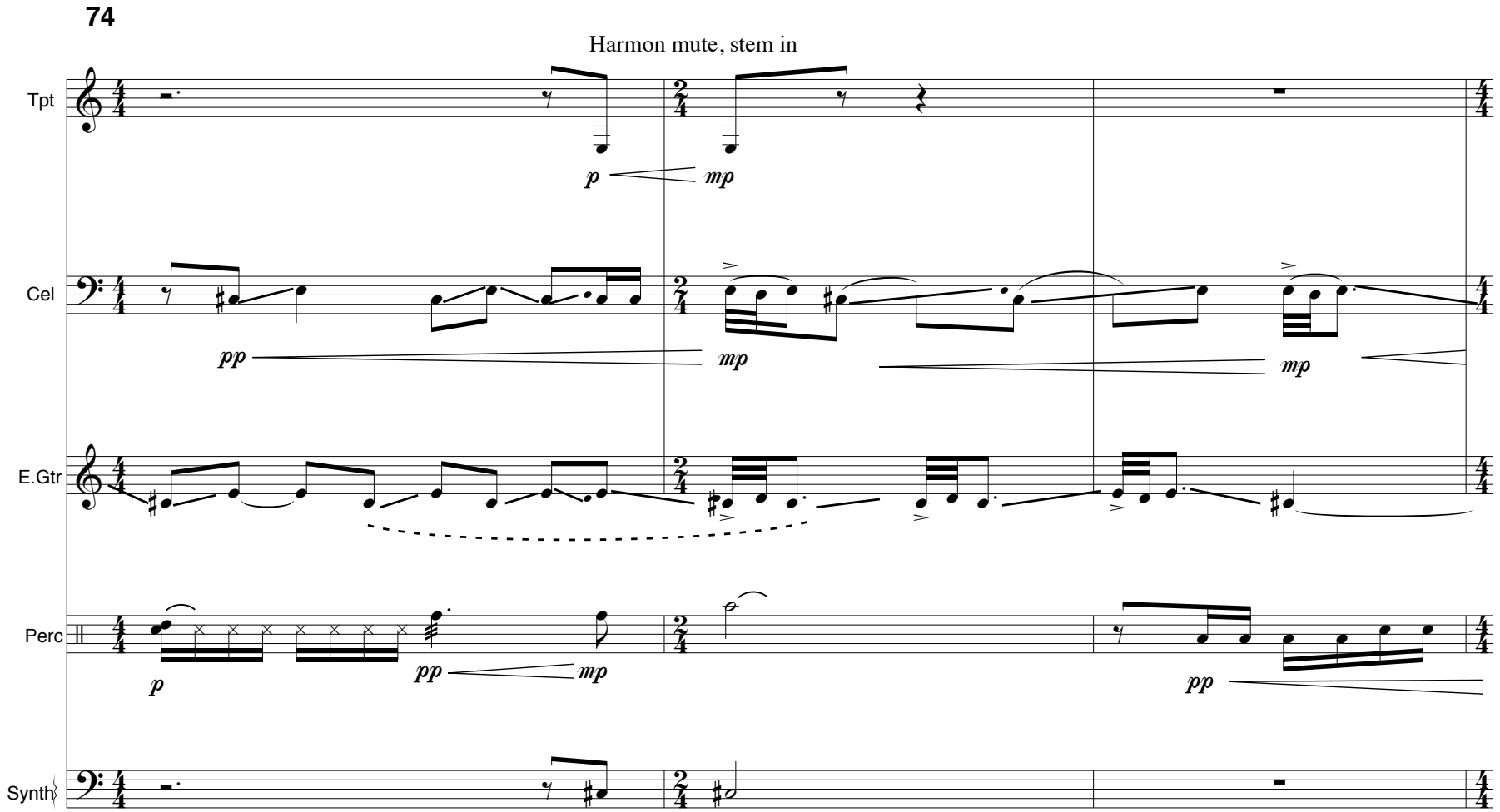

57
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
pp
mp
pp
mp
pp
mp
pp
mp
pp
pp

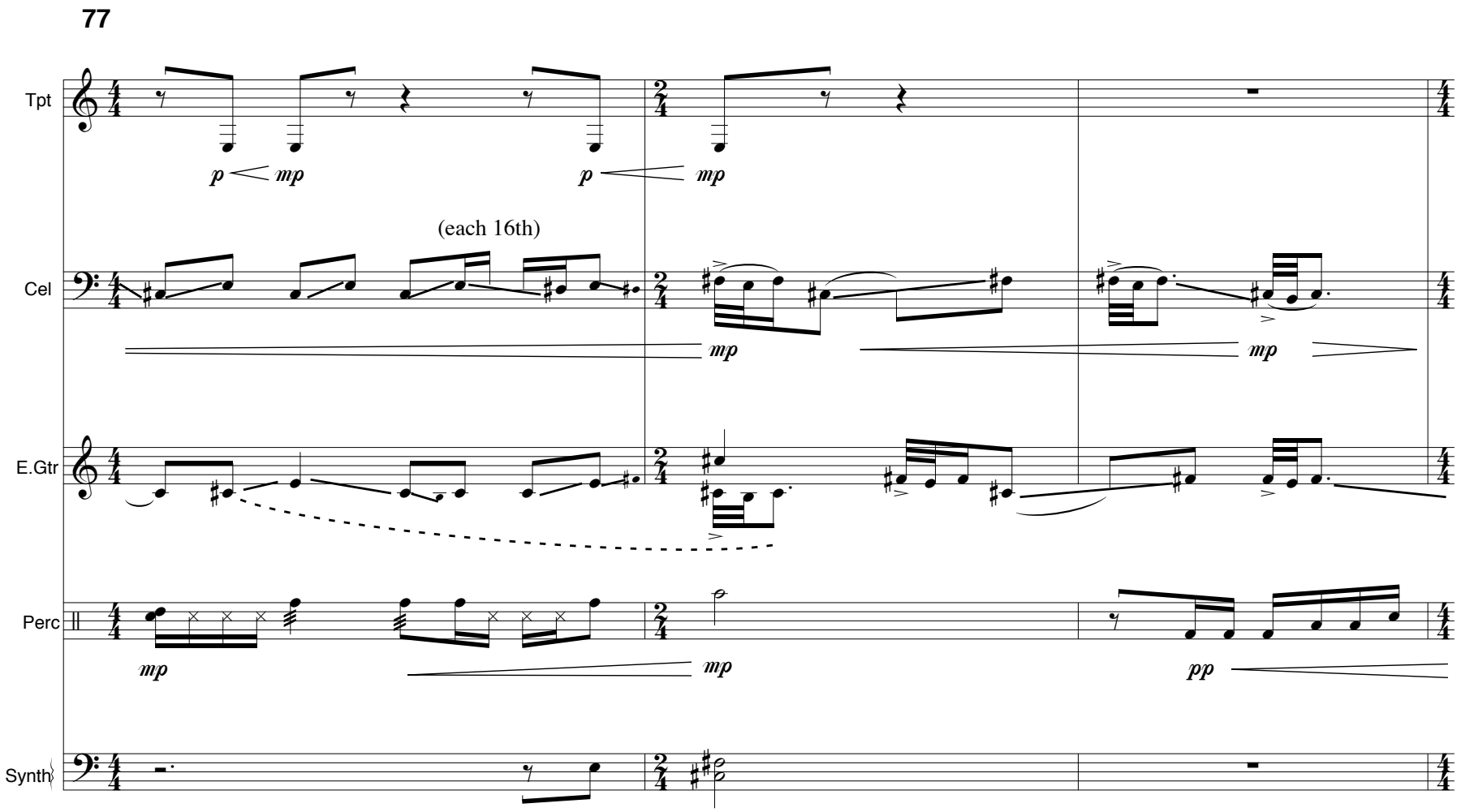

61
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
mp
pp
pp
mp
pp
mp
pp

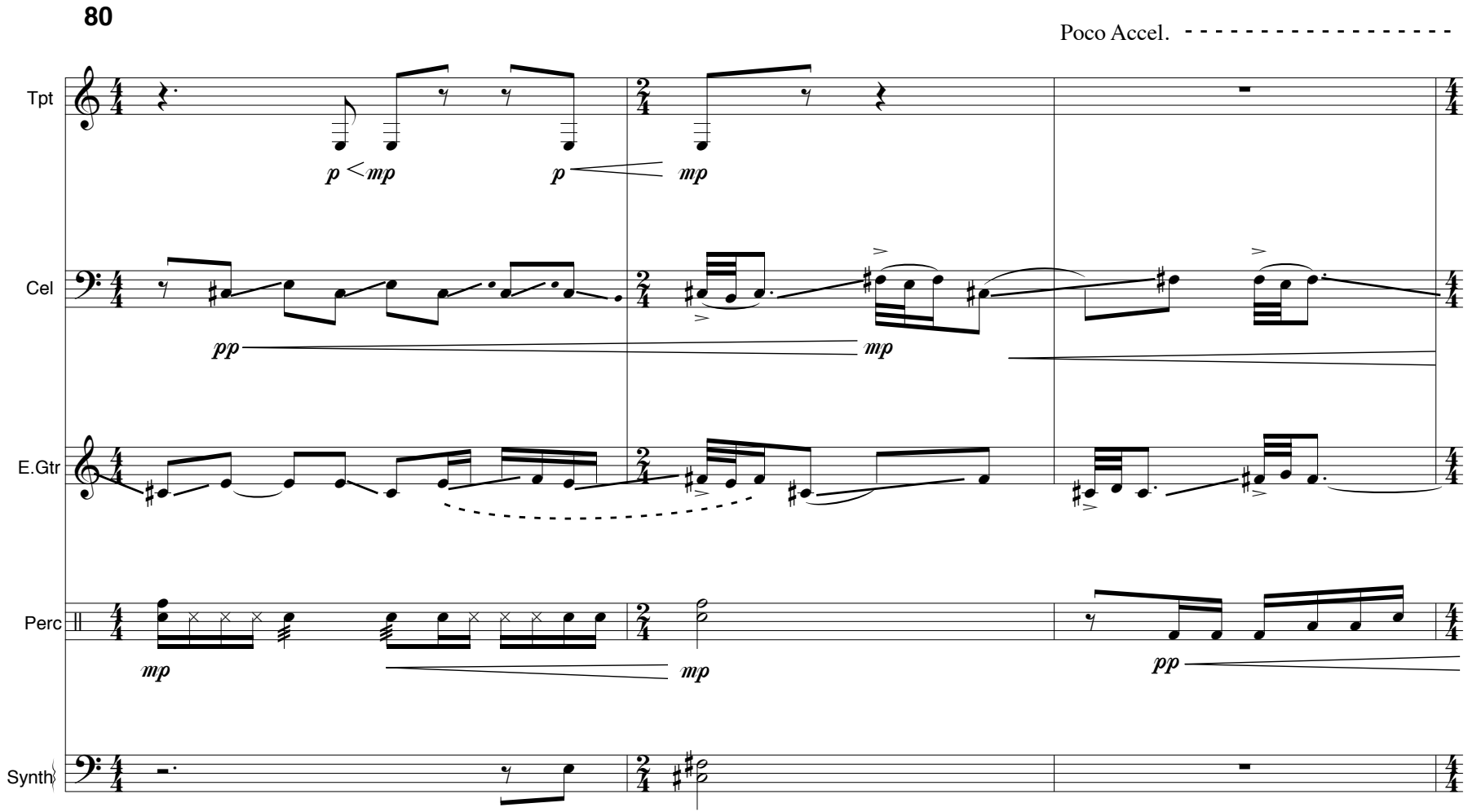

64
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp

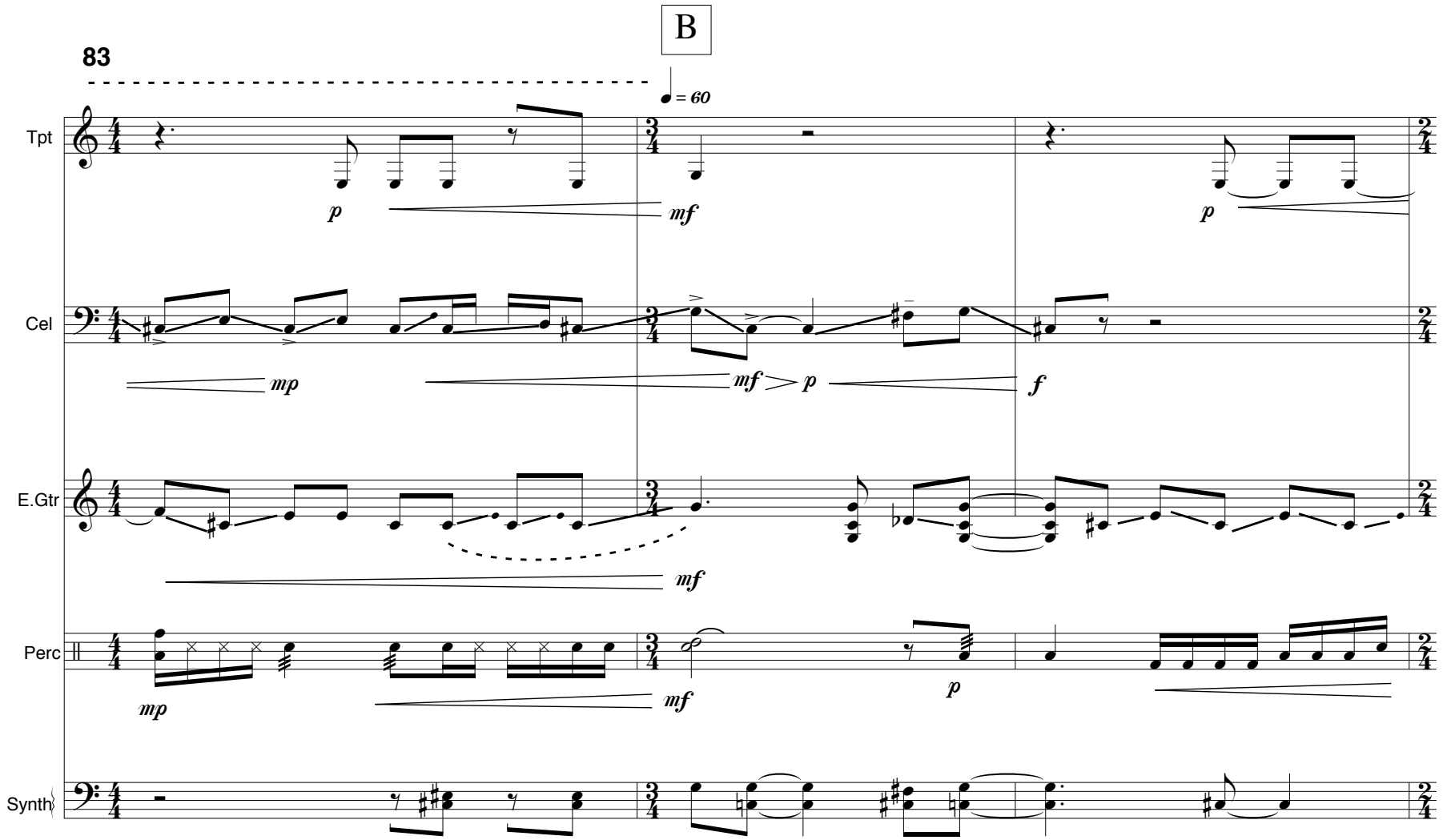

68
Tpt
Cel
E.Gtr
Perc
Synth
mp
pp
mp
pp
mp
pp
mp
pp
mp
pp


71
Accel.
= 50
Remove plunger, take Harmon
Tpt
mp
pp
mp
Cel
pp
mp
mp
mp
mp
Pluck each 16th
E.Gtr
Perc
mp
mp
pp
Voice 3
Synth
mf

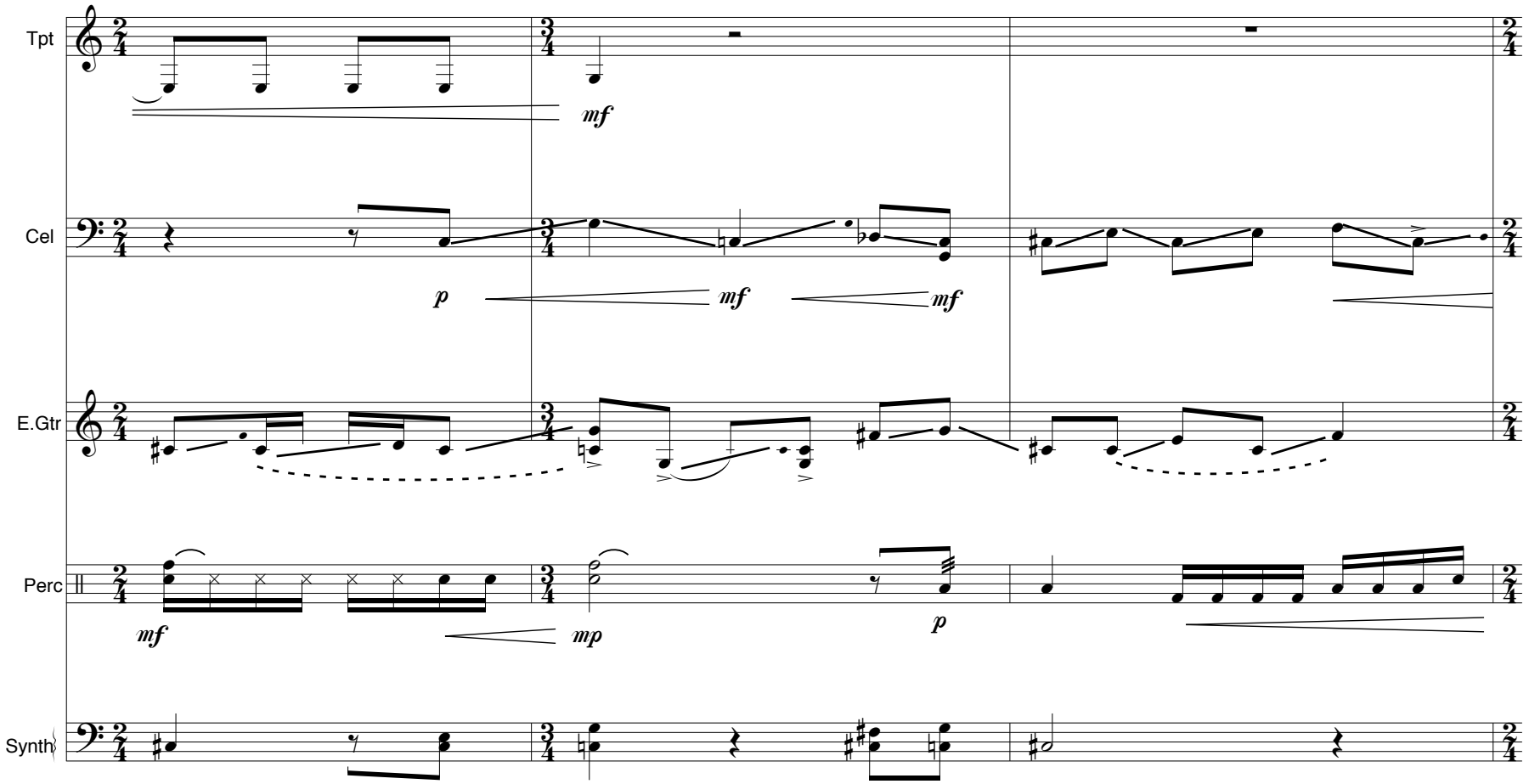

74
Harmon mute, stem in
Tpt
Cel
E.Gtr
Perc
Synth
p
mp
pp
mp
mp
p
pp
mp
pp


77
Tpt
Cel
E.Gtr
Perc
Synth
(each 16th)
p
mp
p
mp
mp
mp
mp
mp
pp


80
Poco Accel.
Tpt
Cel
E.Gtr
Perc
Synth
p < mp
p
mp
pp
mp
mp
mp
pp


B
83
♩ = 60
Tpt
Cel
E.Gtr
Perc
Synth
p
mf
p
mp
mf
p
f
mf
mp
mf
p

86



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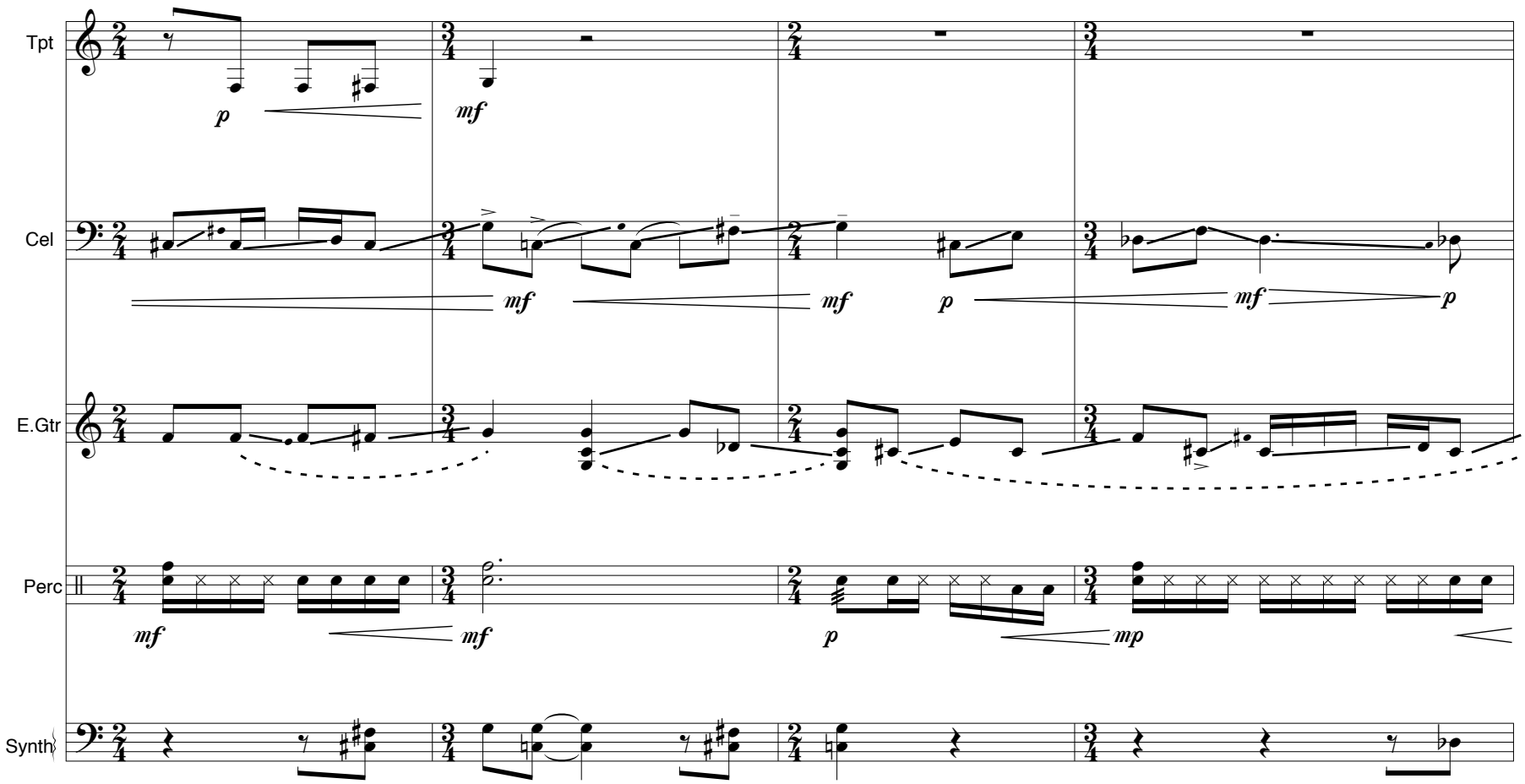
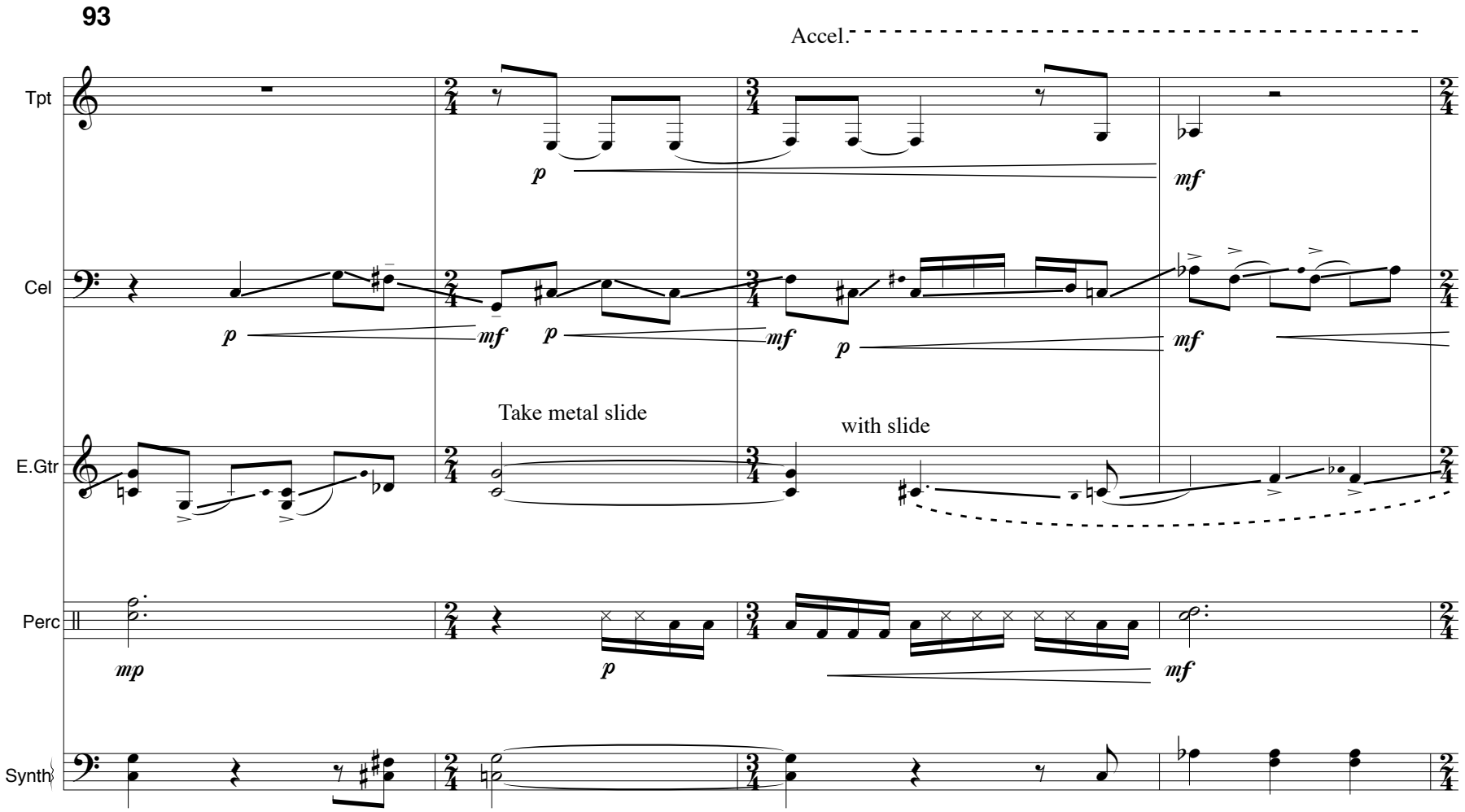
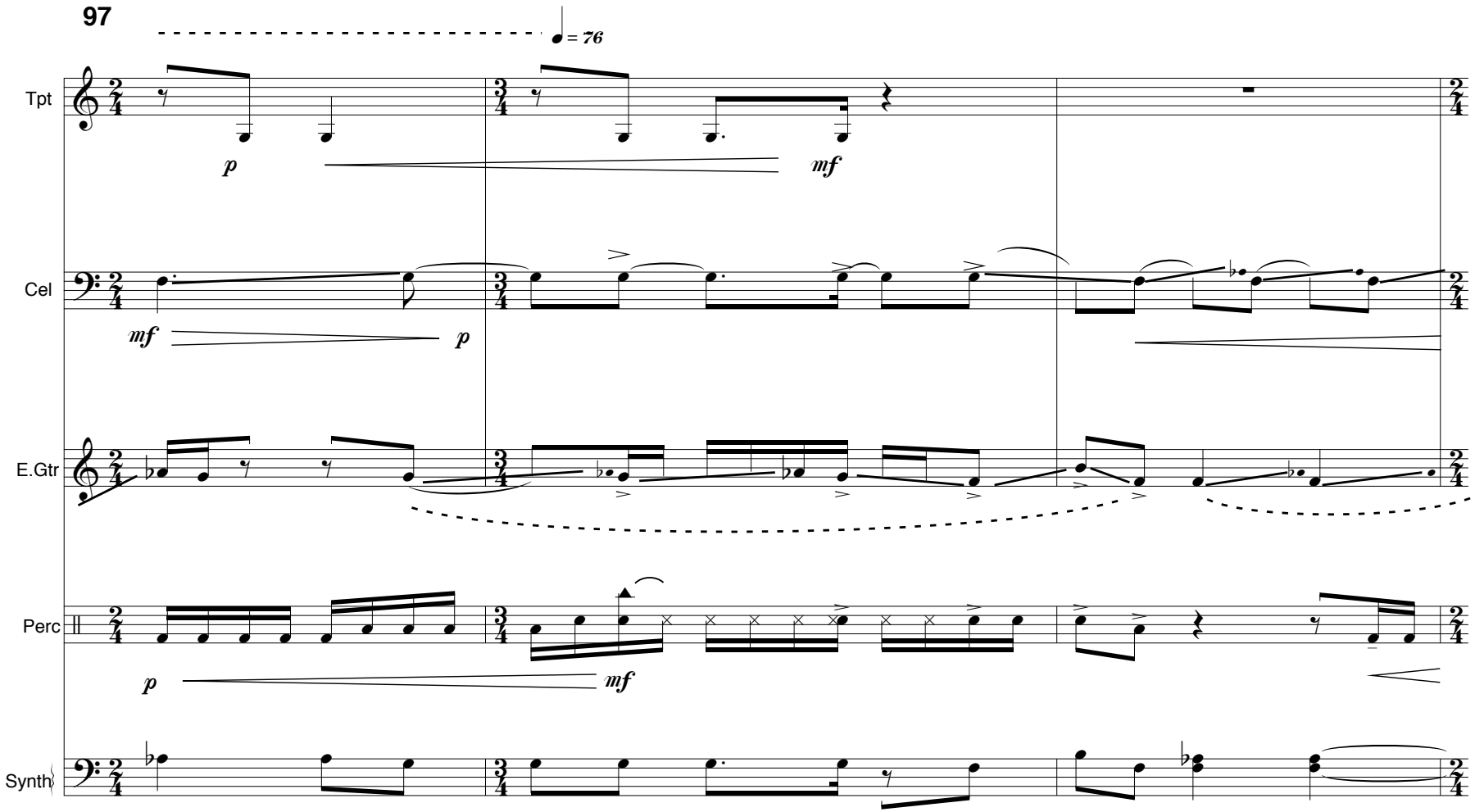
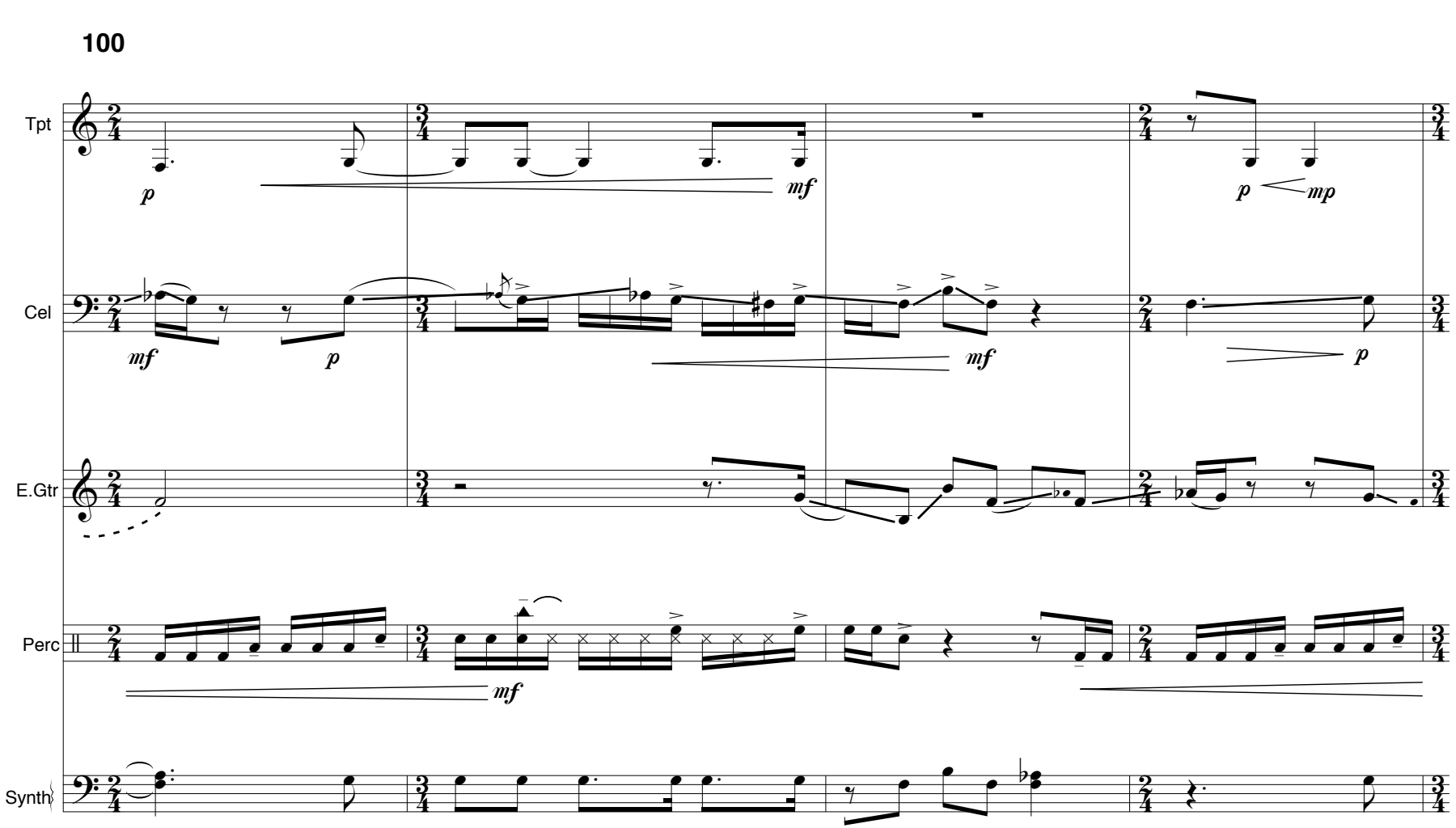
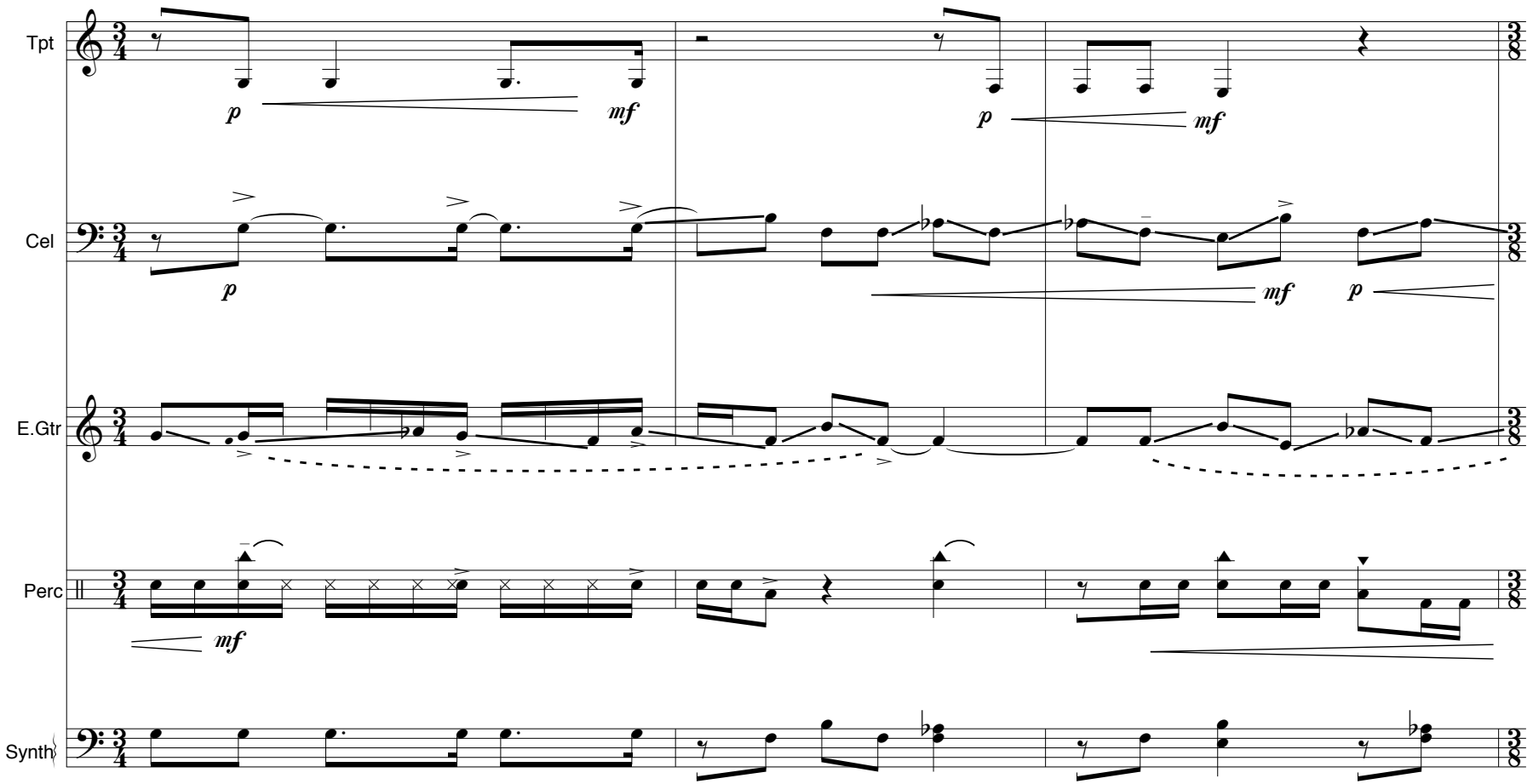



93
Accel.
Tpt
Cel
E.Gtr
Perc
Synth
Take metal slide
with slide


97
♩ = 76
Tpt
p
mf
Cel
mf
p
E.Gtr
Perc
p
mf
Synth


100
Tpt
Cel
E.Gtr
Perc
Synth
p
mf
p
mp
mf
mf
p
mf

104



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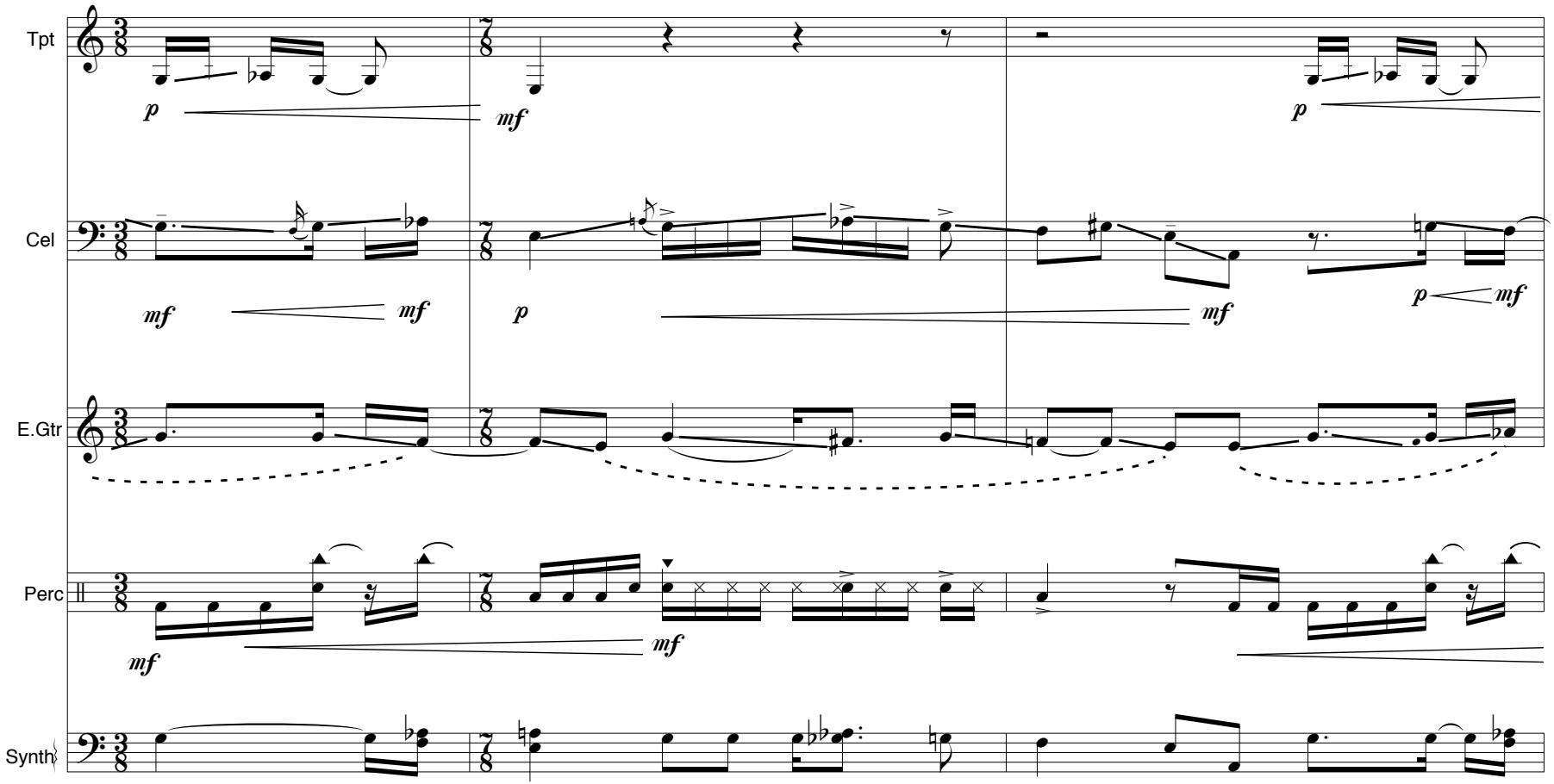
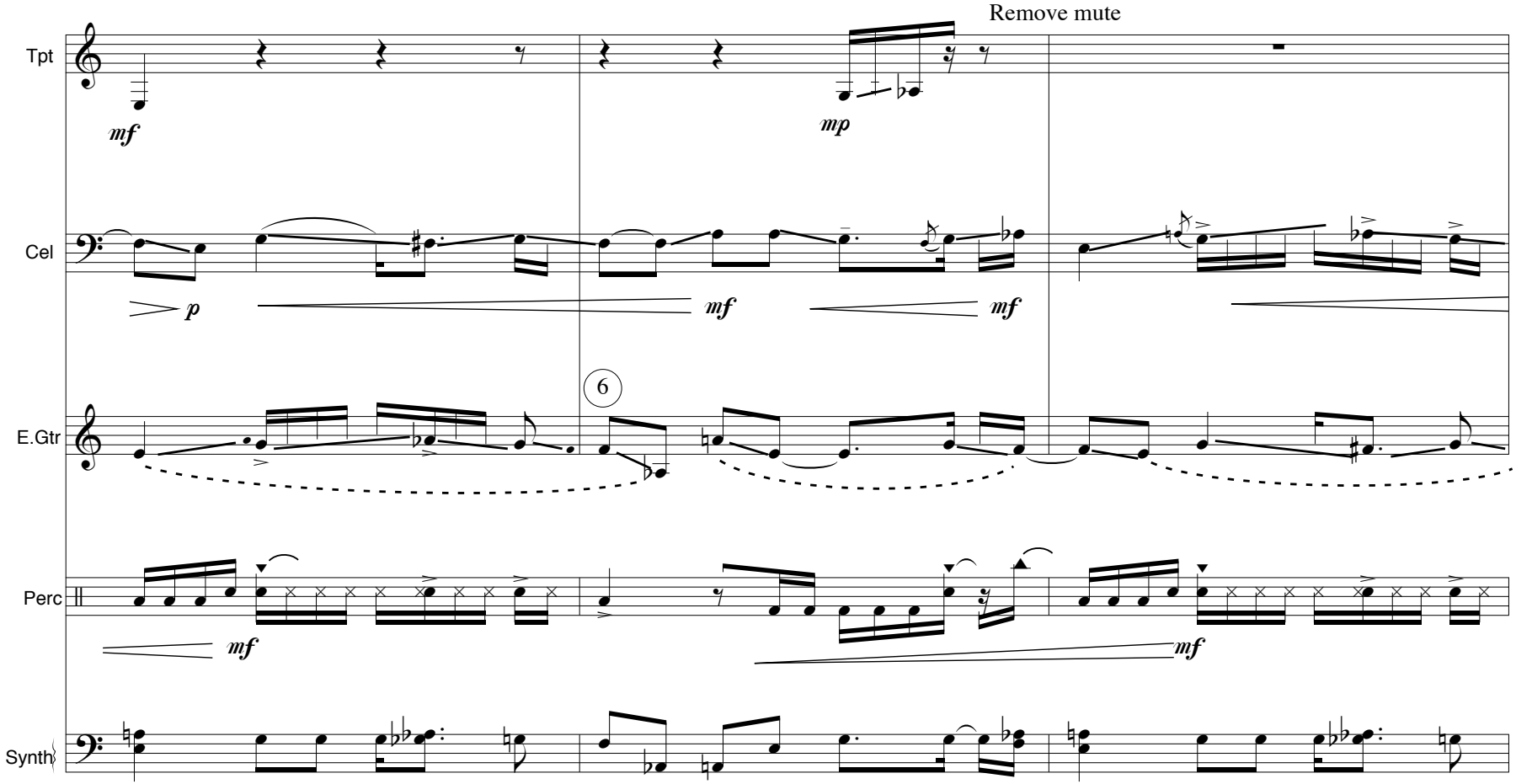
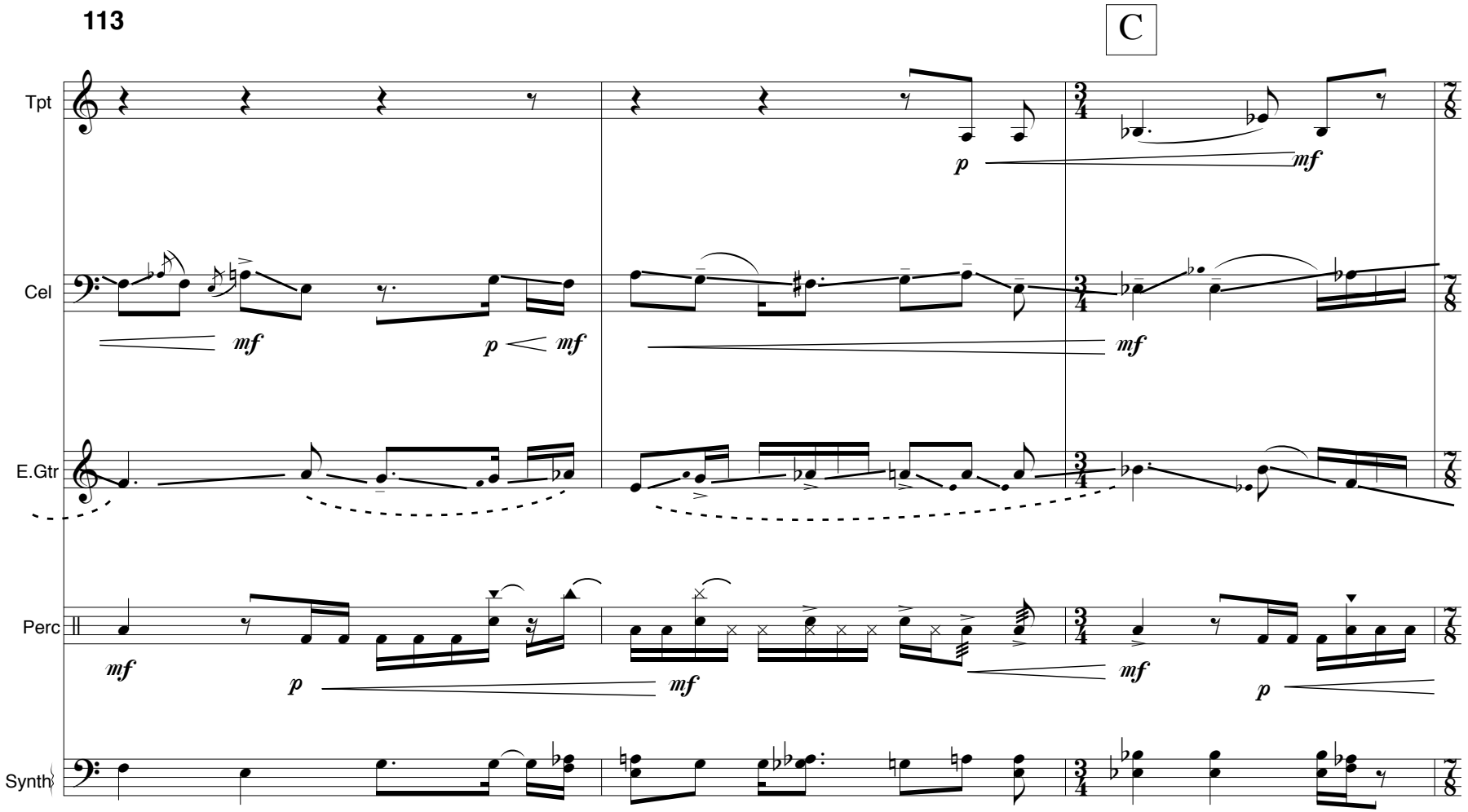
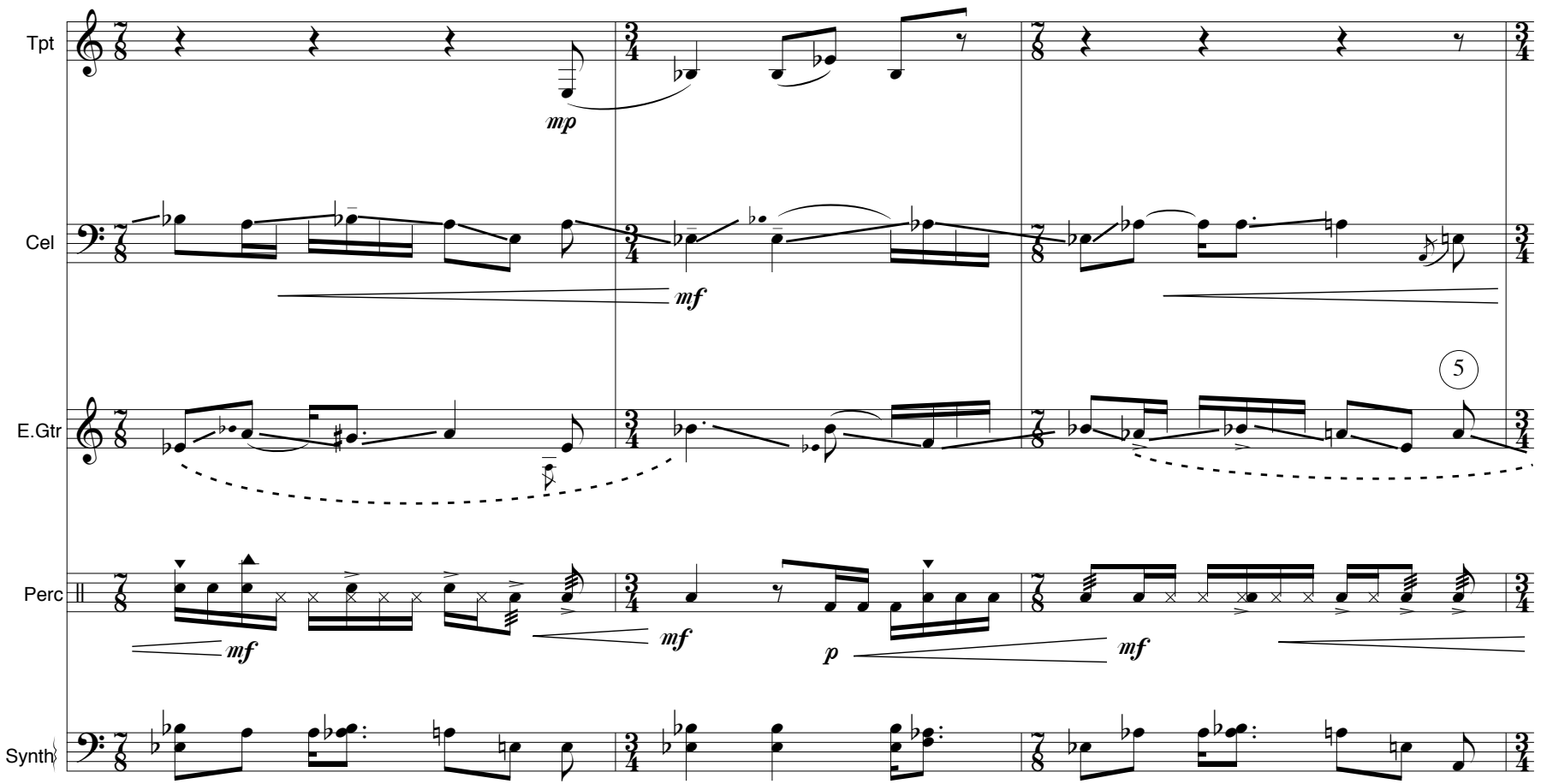
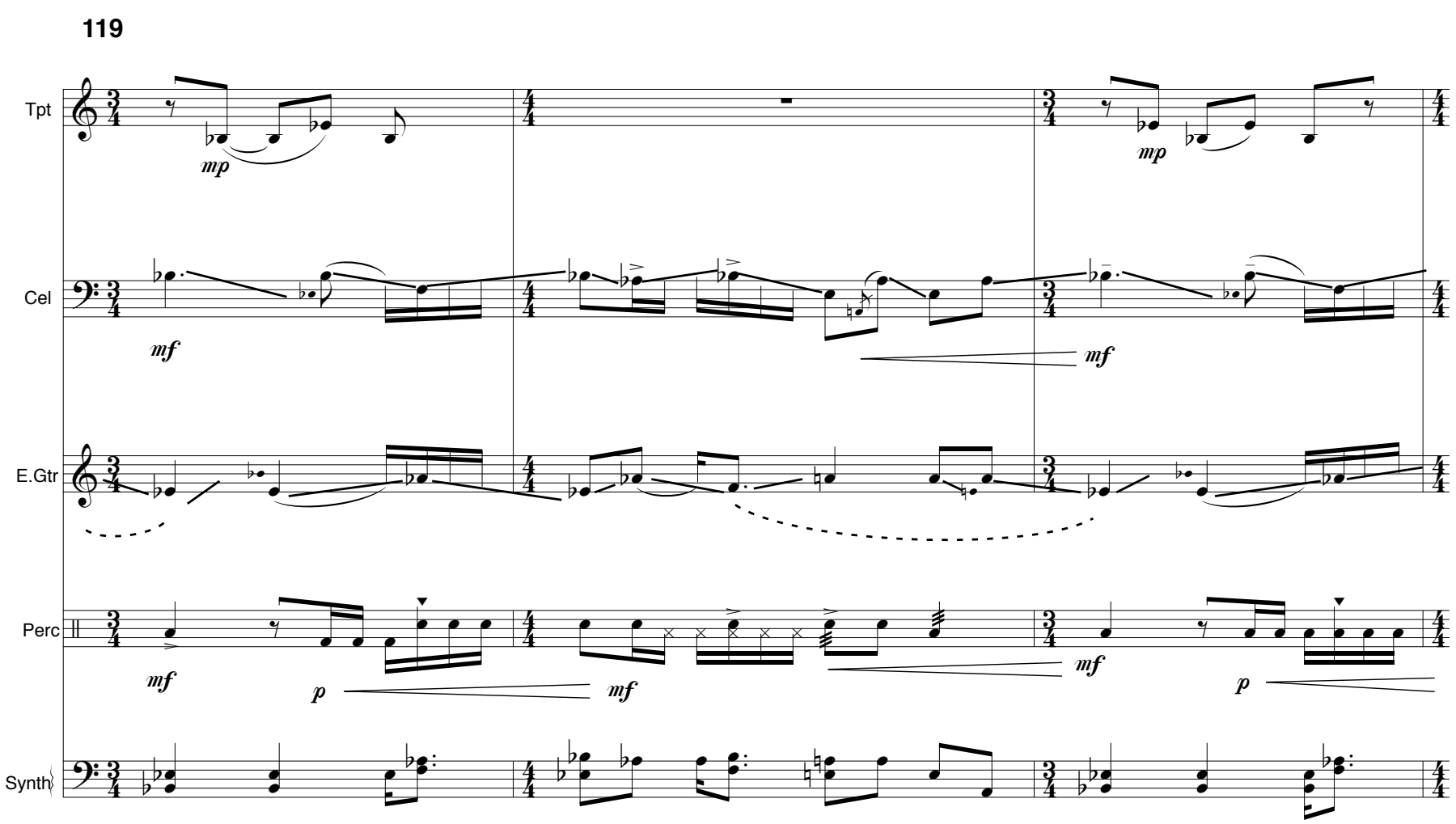


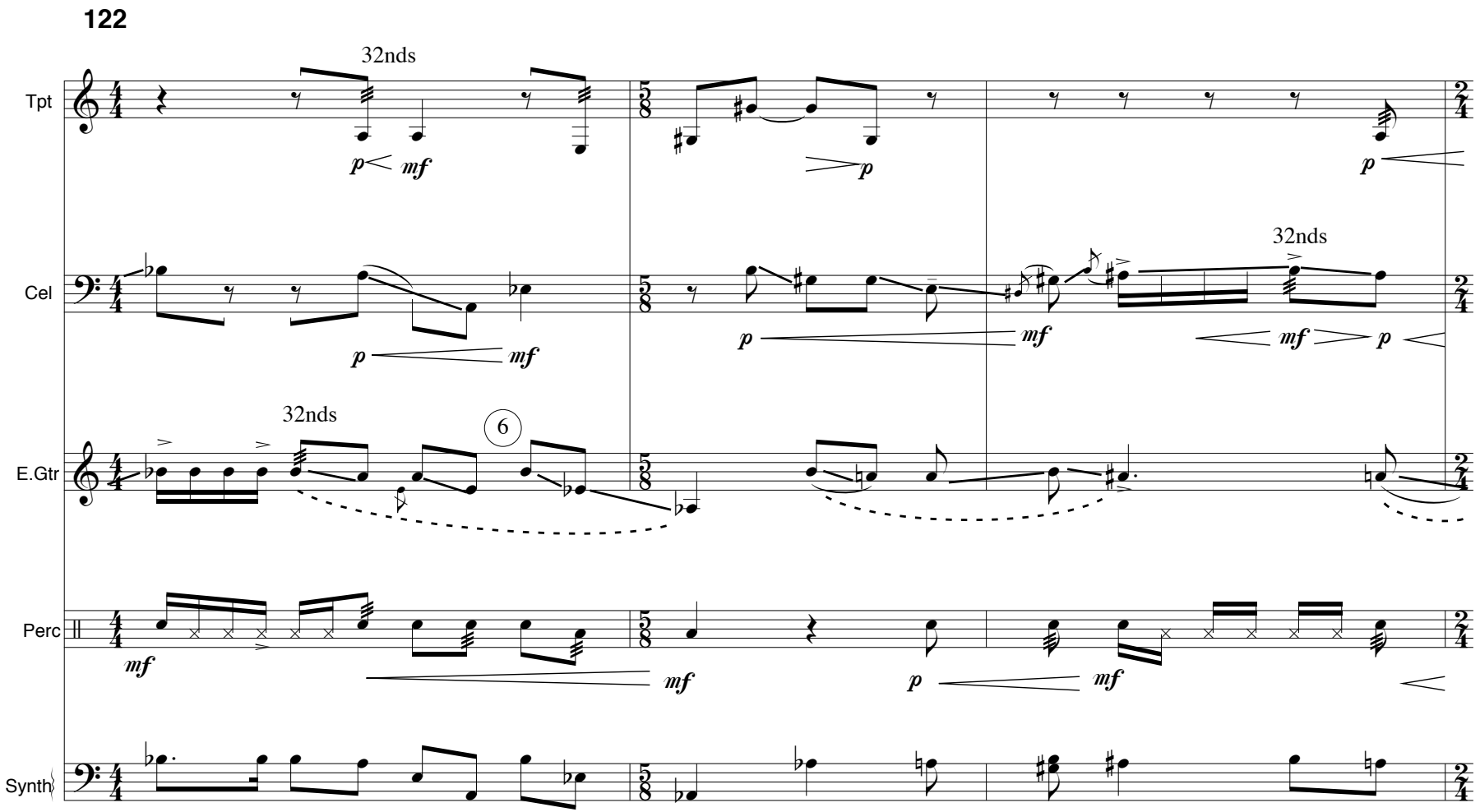

110
Remove mute
Tpt
mf
mp
Cel
p
mf
mf
6
E.Gtr
Perc
mf
mf
Synth


113
C
Tpt
Cel
E.Gtr
Perc
Synth
p
mf
p
mf
mf
mf
mf
p
mf
p
mf
mf
p

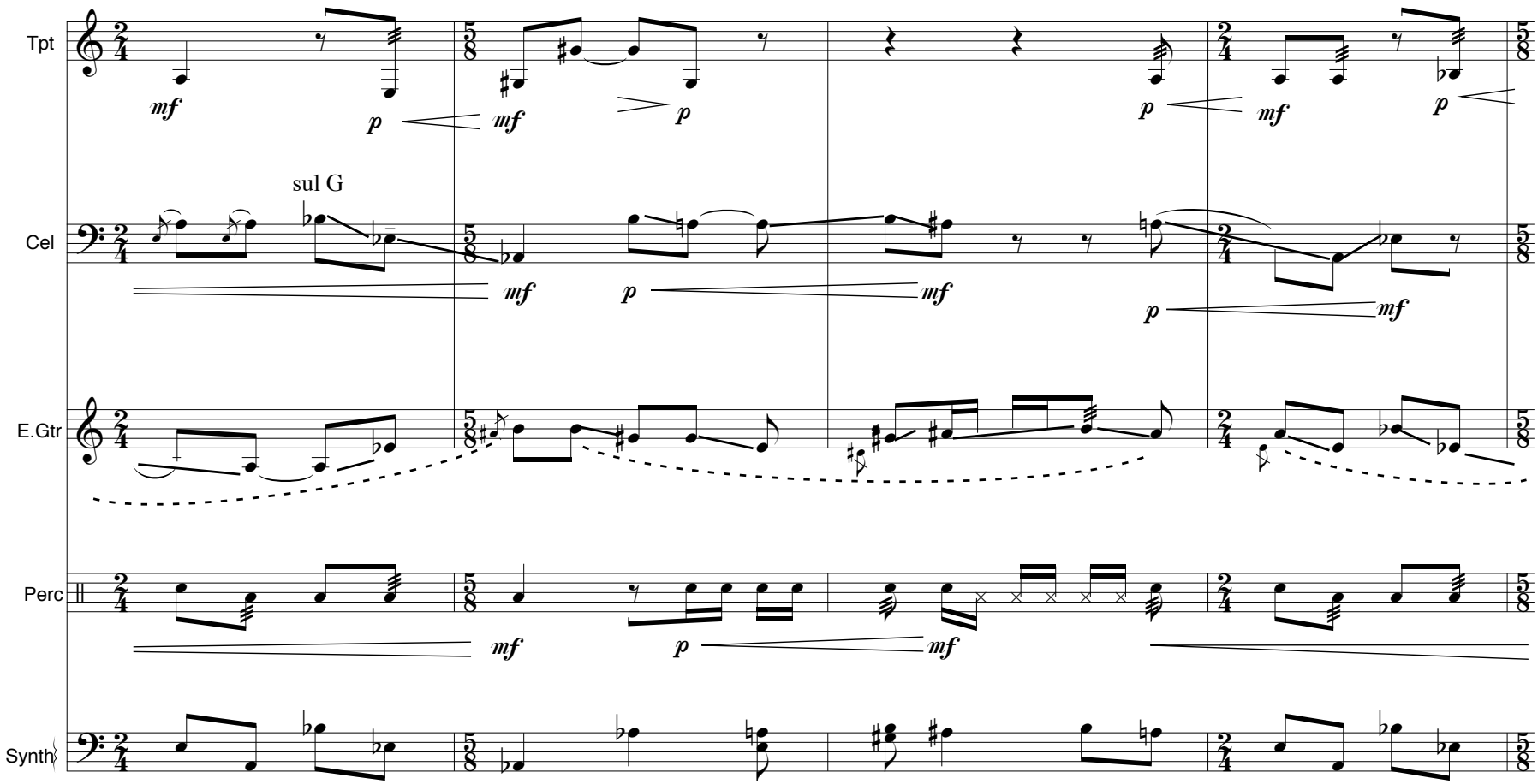
116

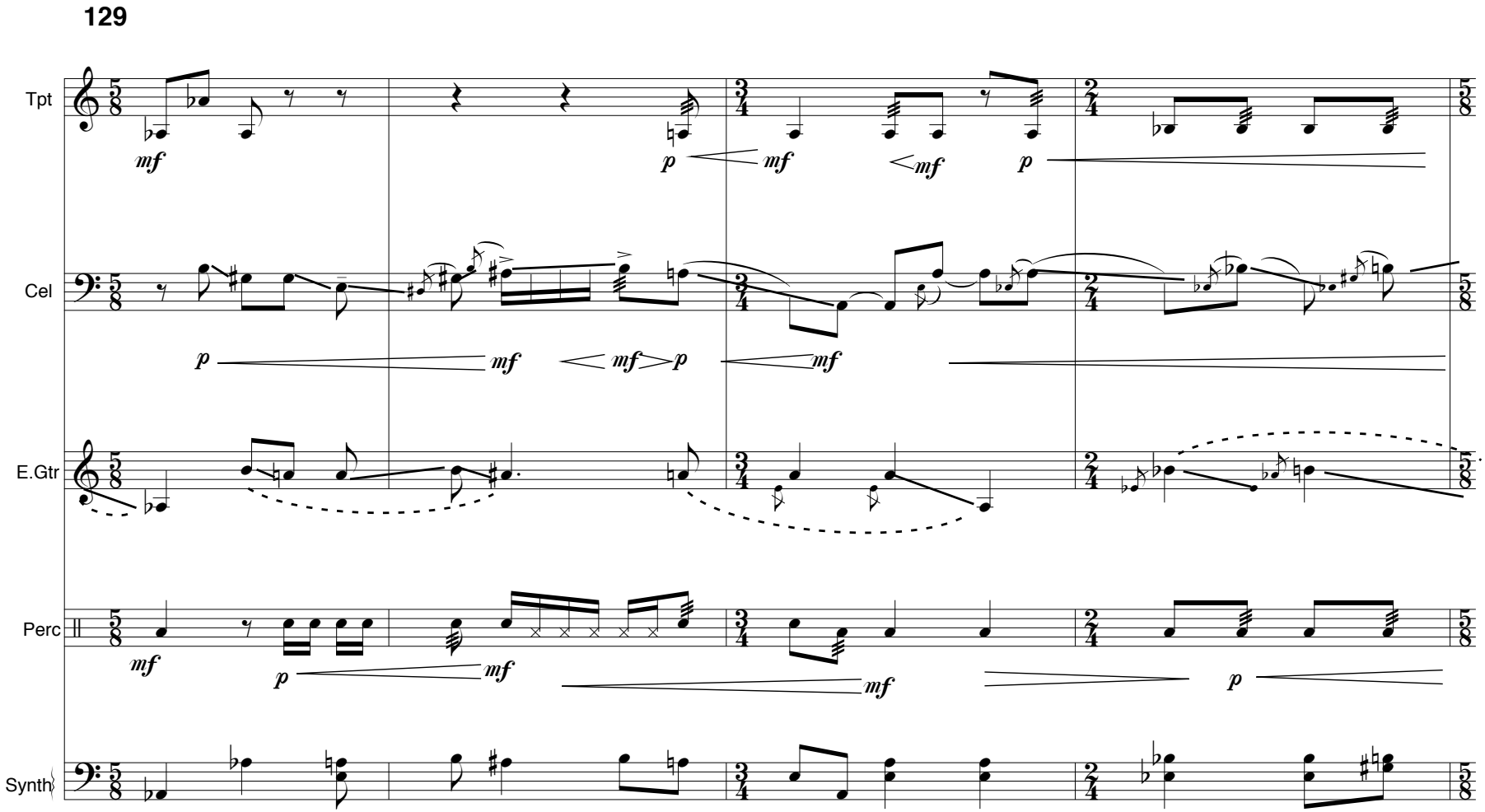


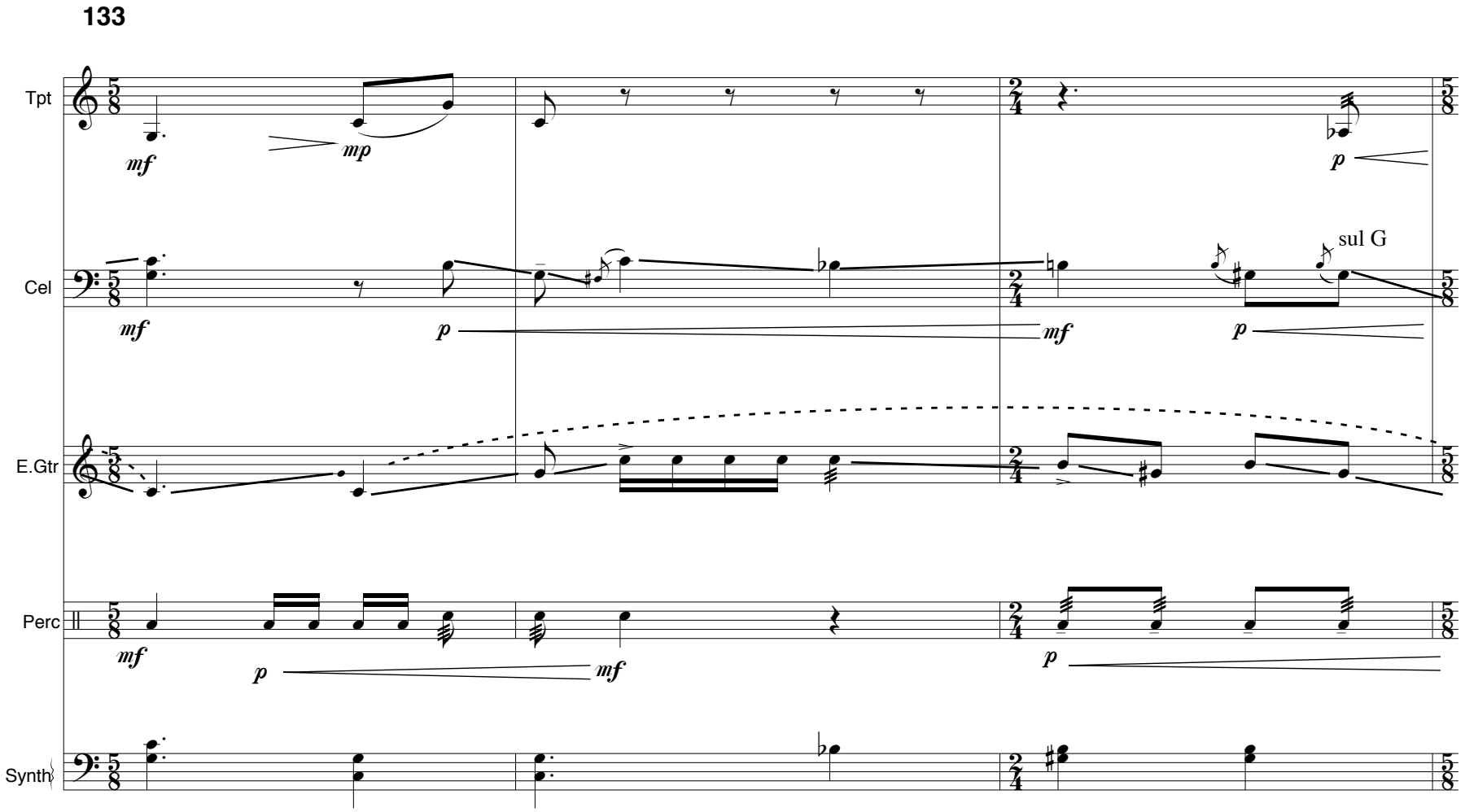

119
Tpt
Cel
E.Gtr
Perc
Synth
mp
mf
mf
mp
mf
mf
p
mf
p

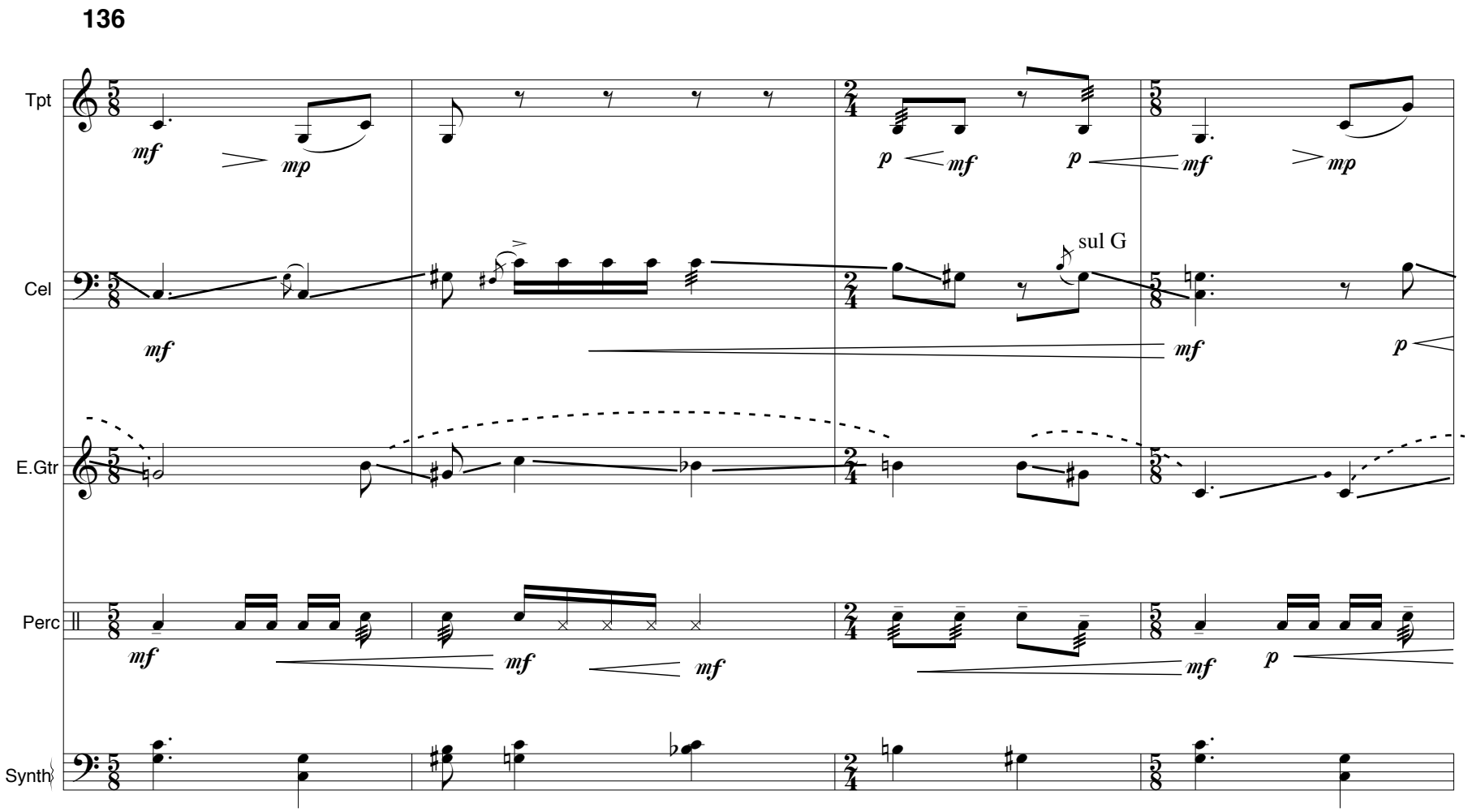

122
32nds
Tpt
Cel
32nds
32nds
E.Gtr
6
Perc
Synth

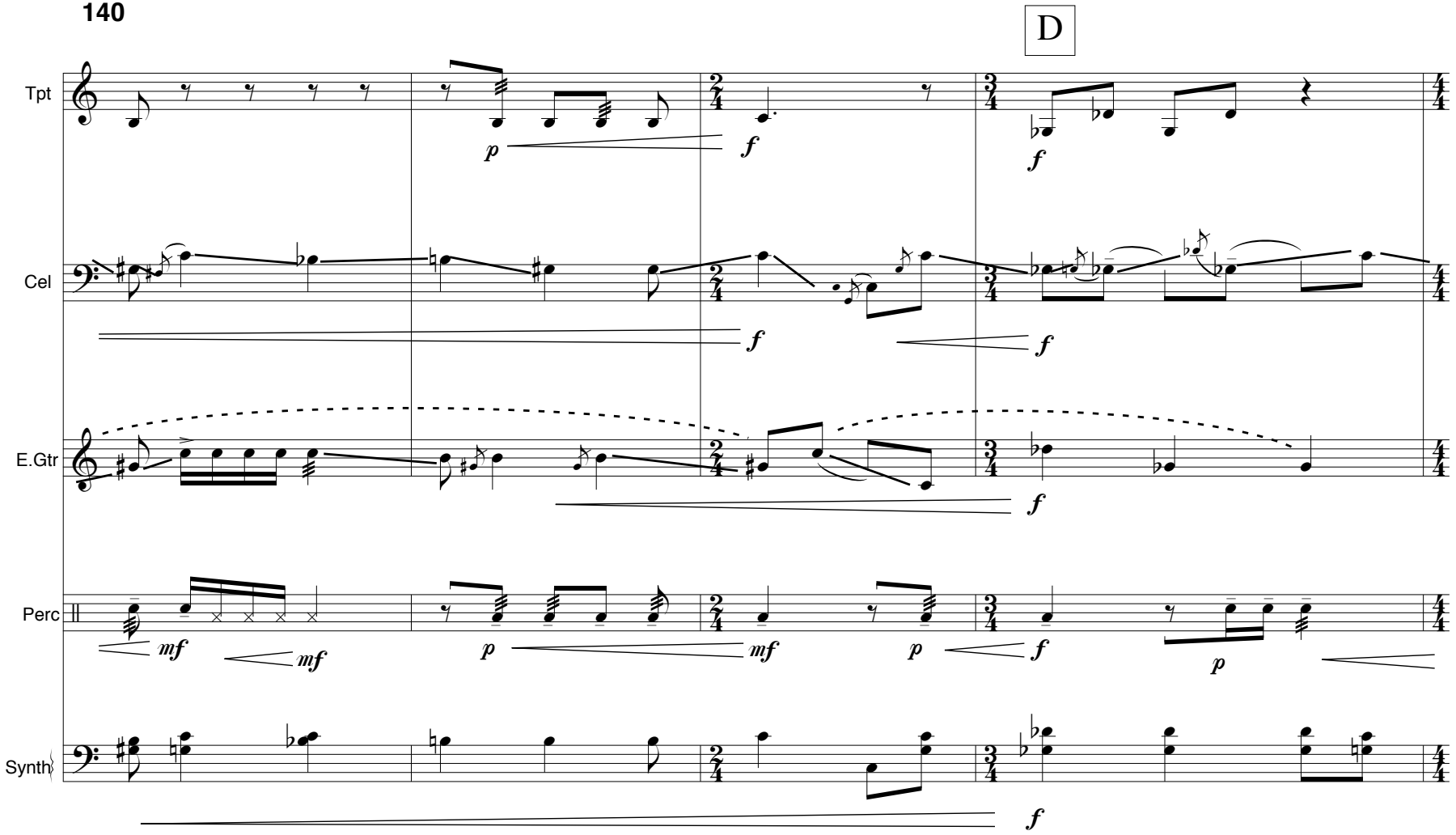
125

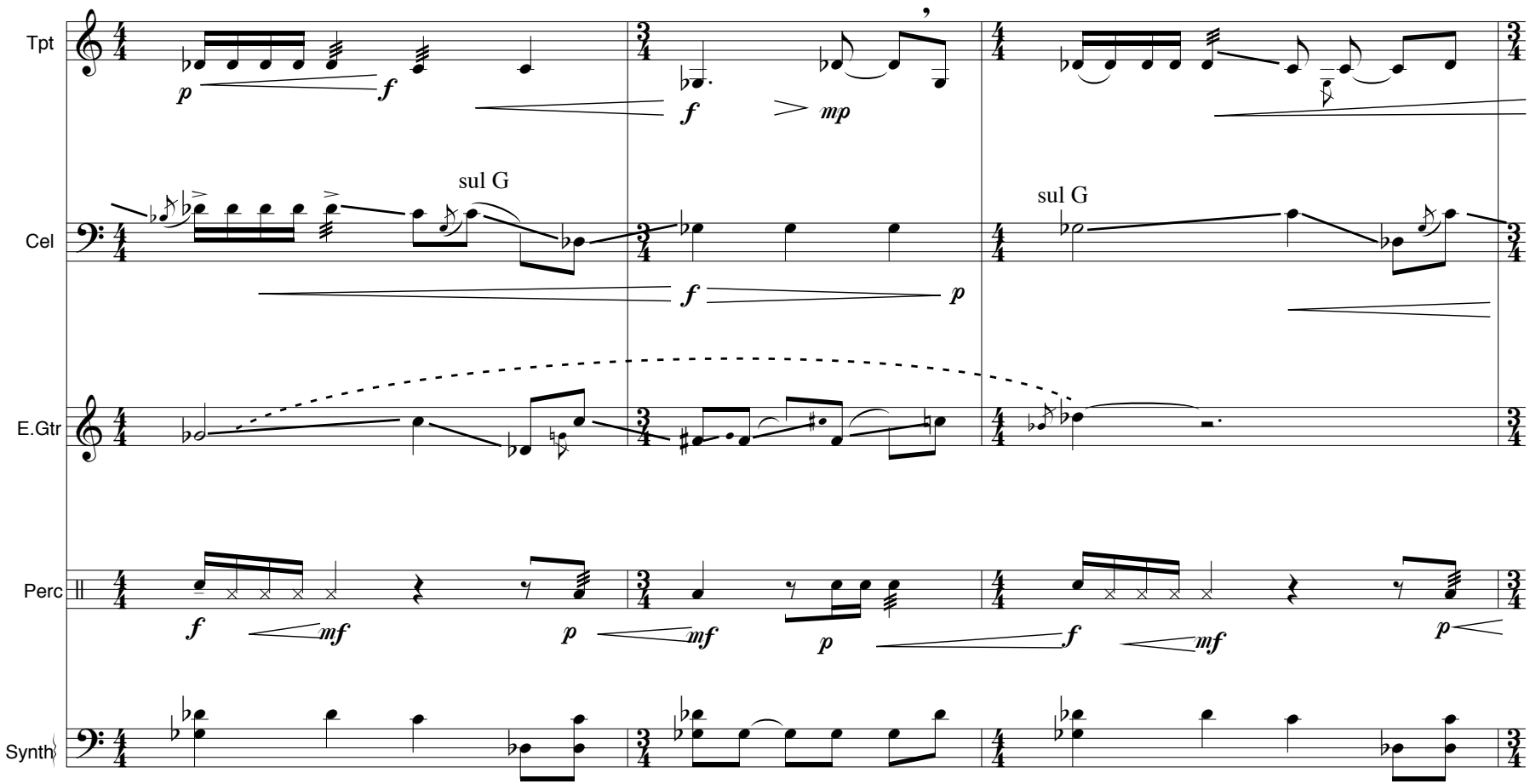



129
Tpt
Cel
E.Gtr
Perc
Synth
mf
p
mf
mf
p
p
mf
mf
p
mf
mf
p
mf
mf
p

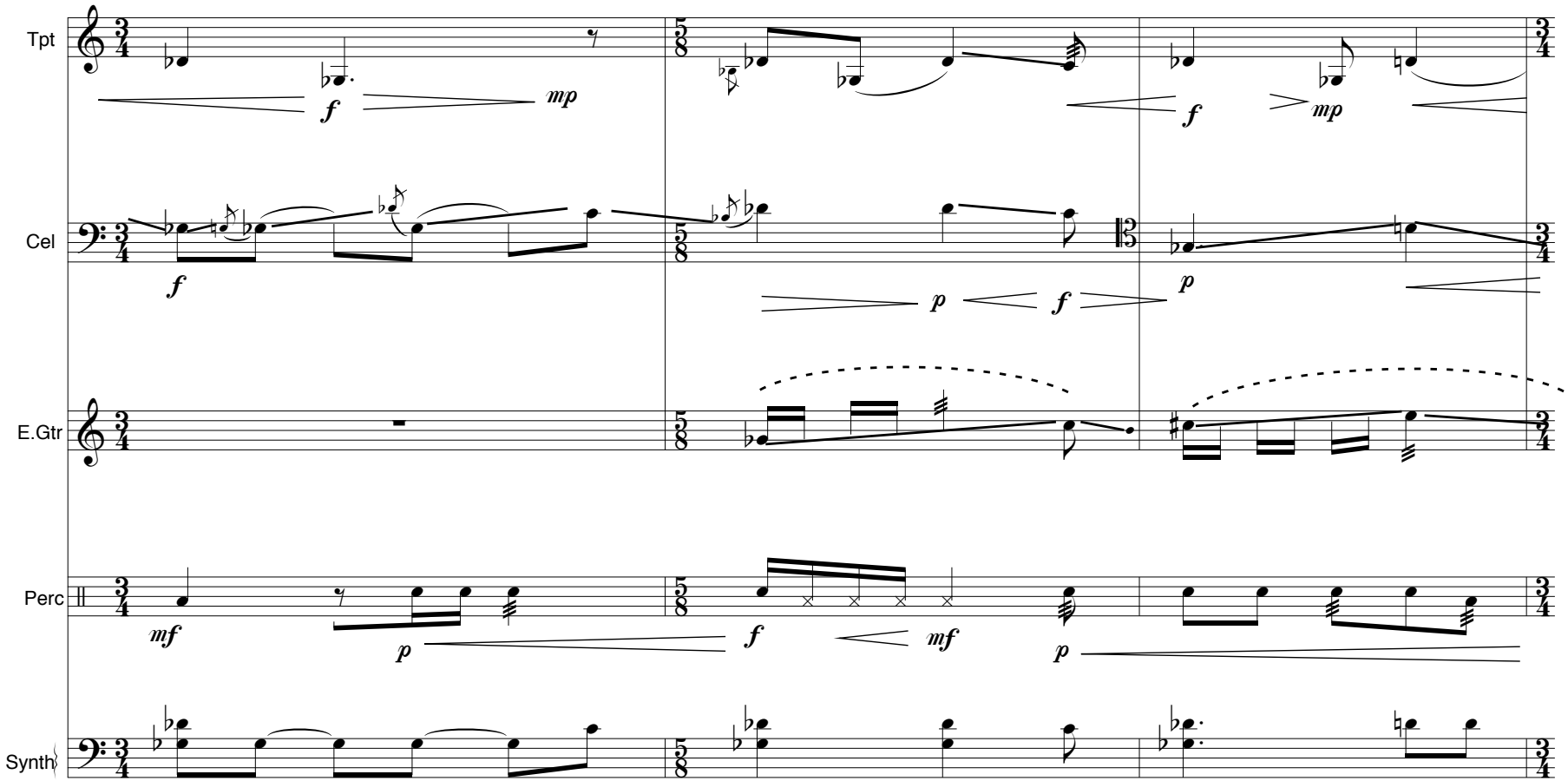

133
Tpt
Cel
E.Gtr
Perc
Synth
sul G


136
Tpt
Cel
E.Gtr
Perc
Synth
sul G

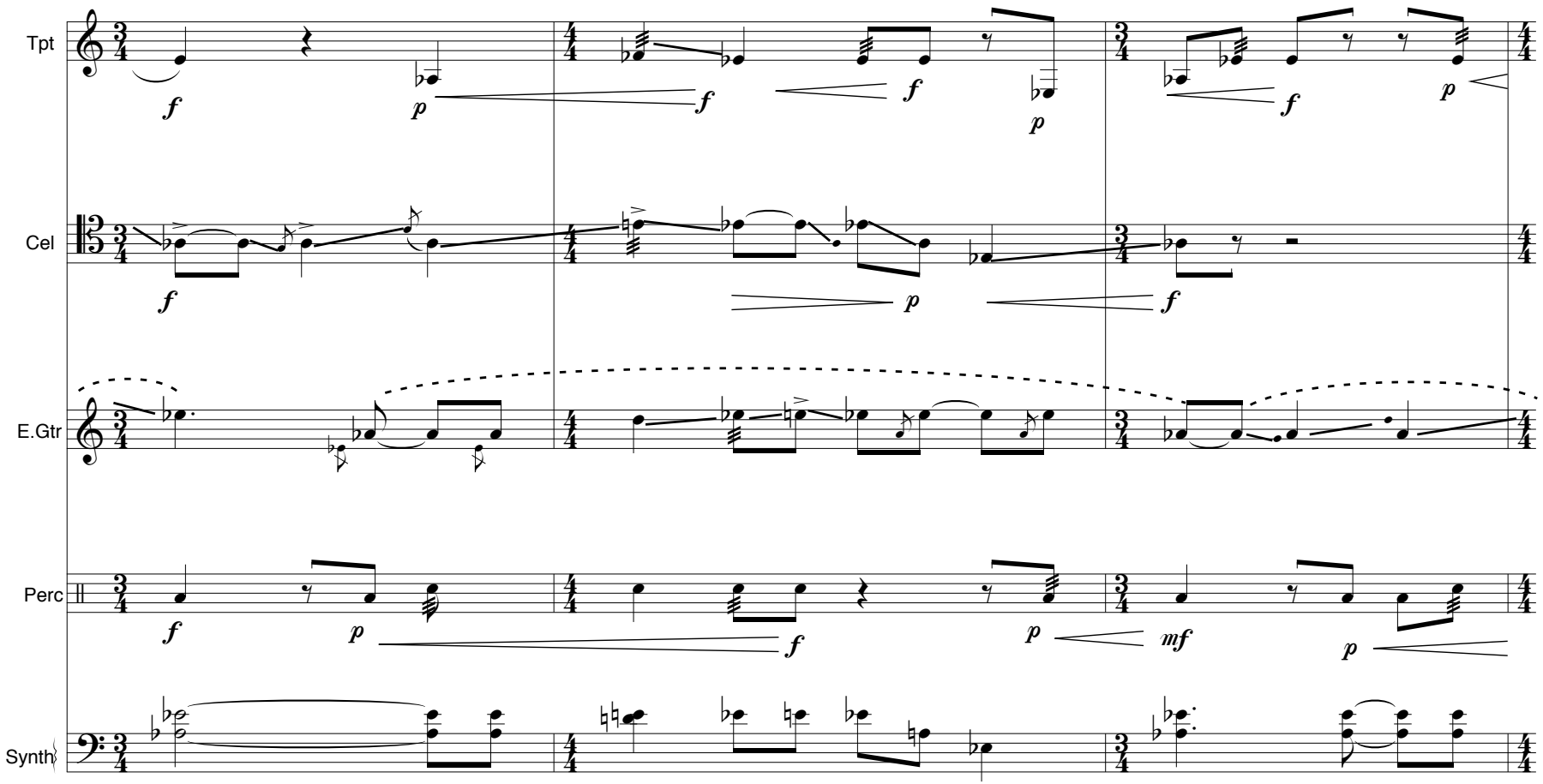

140
D
Tpt
Cel
E.Gtr
Perc
Synth

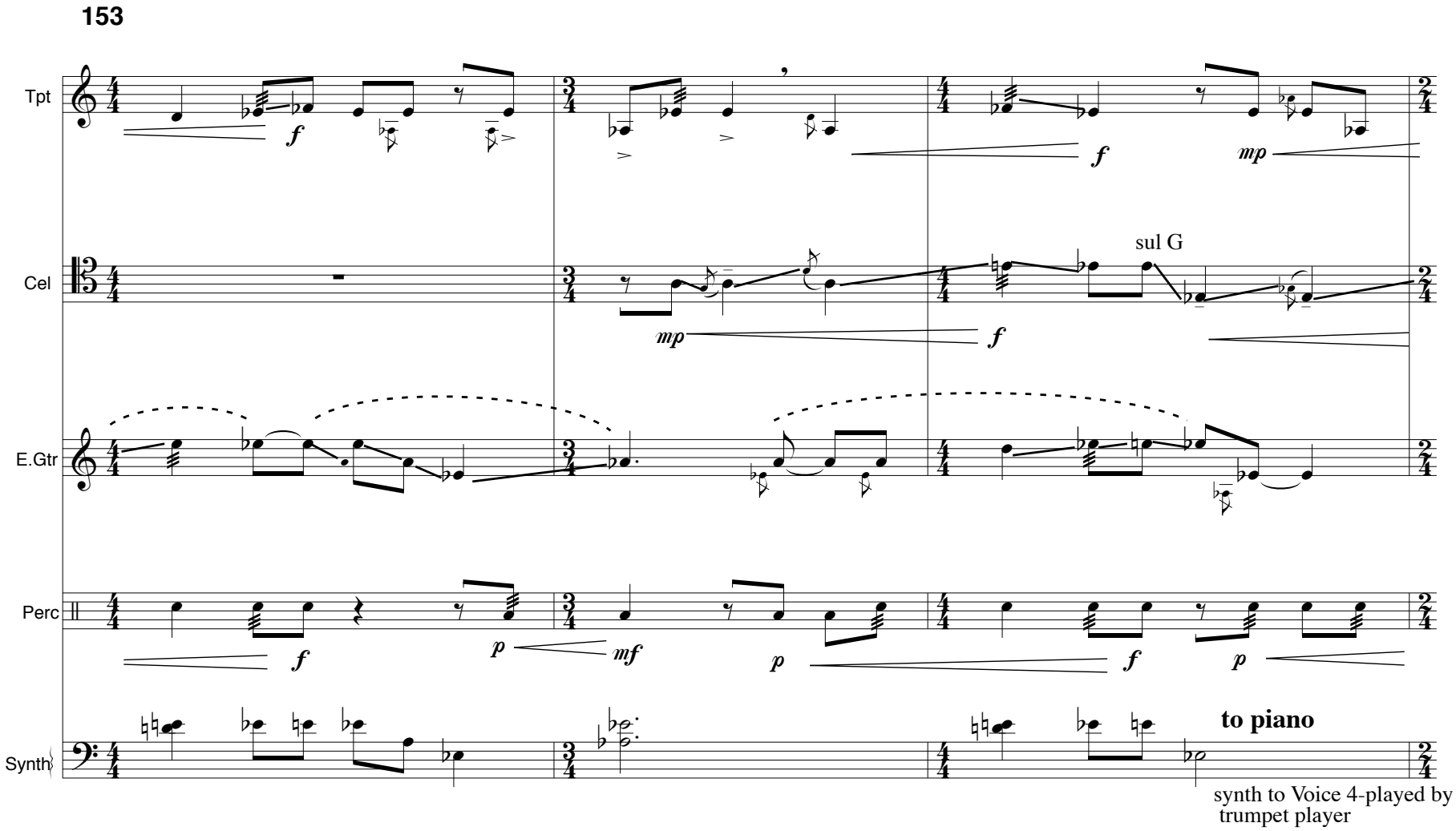

Tpt
Cel
E.Gtr
Perc
Synth
sul G
sul G

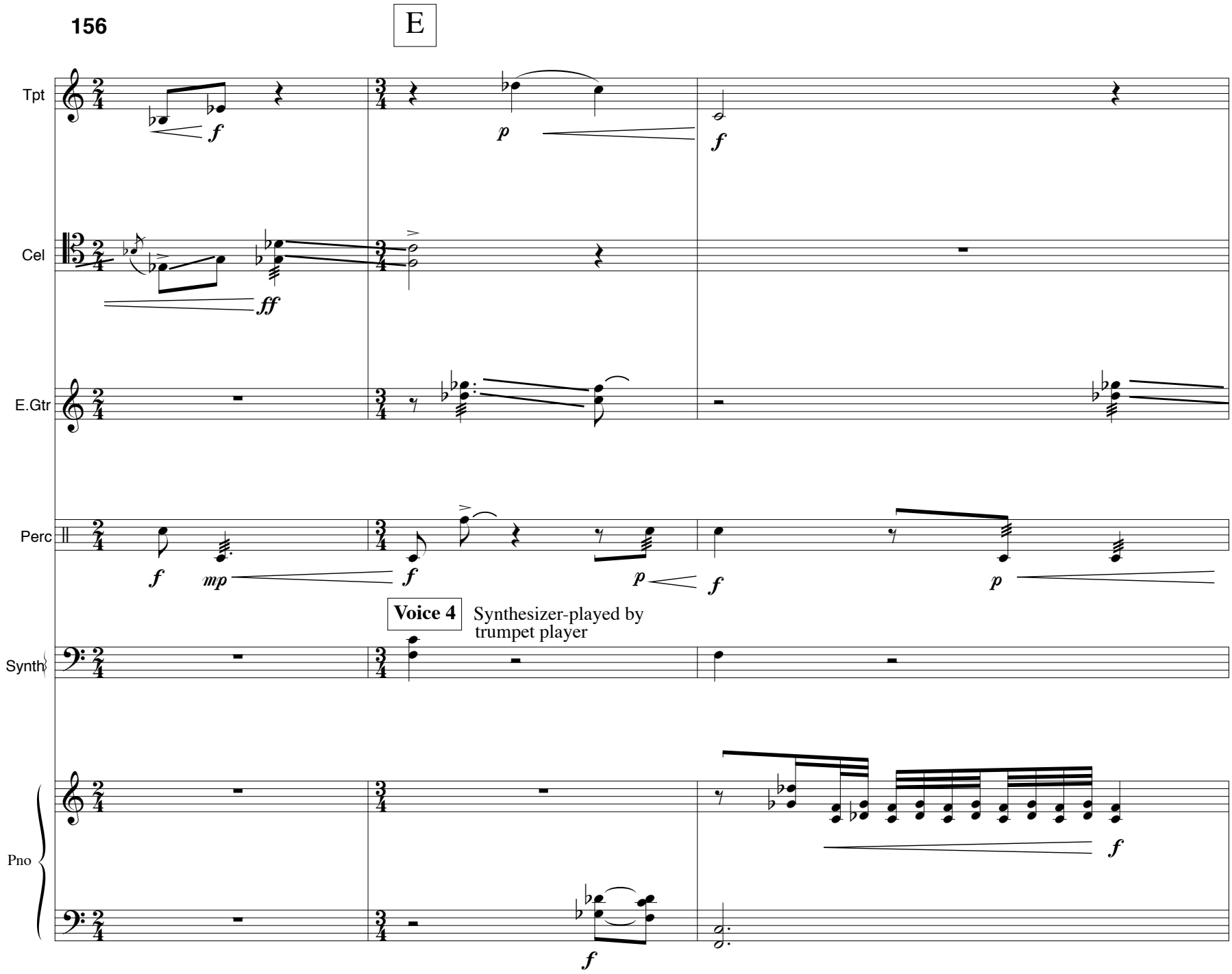
147

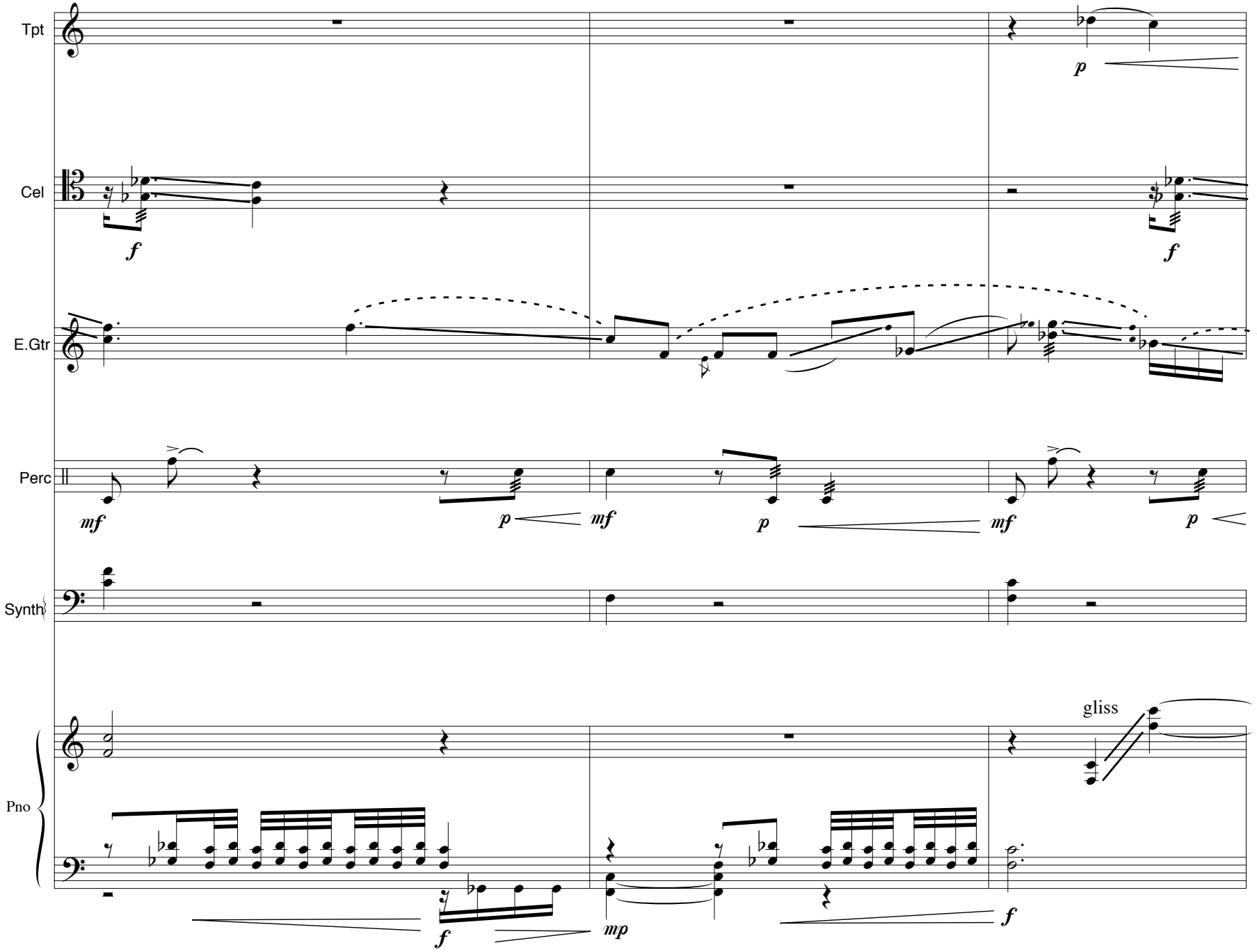


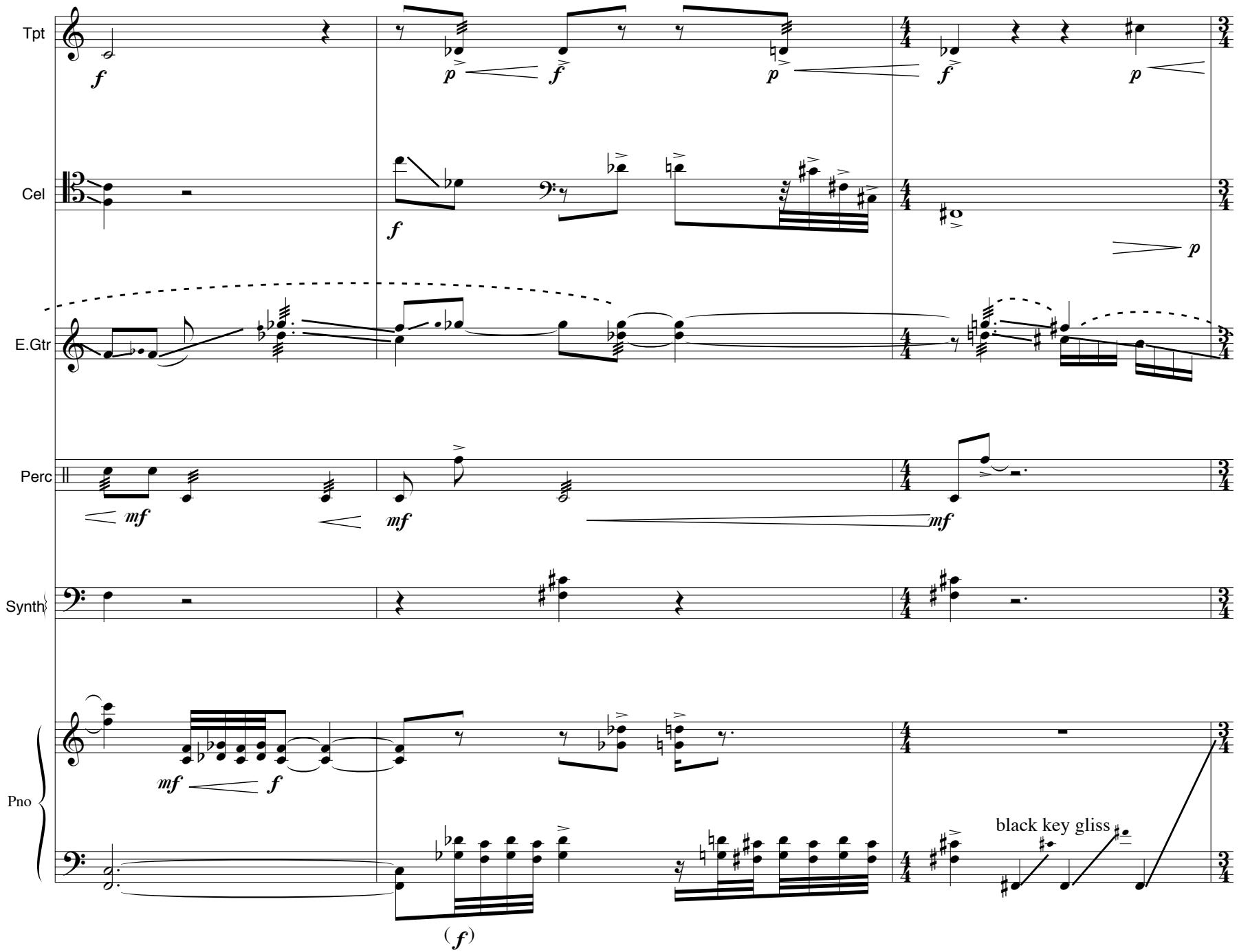
150

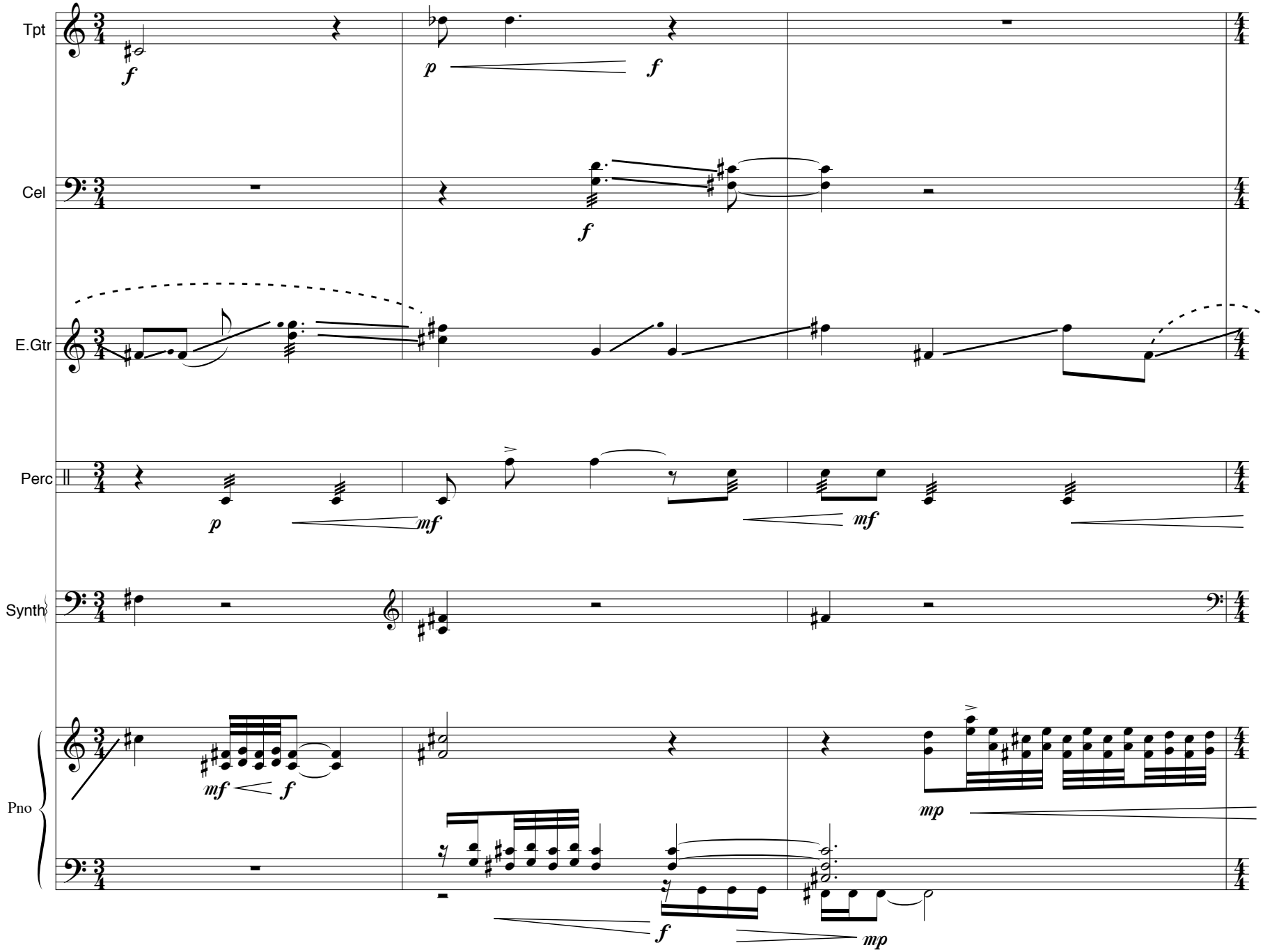


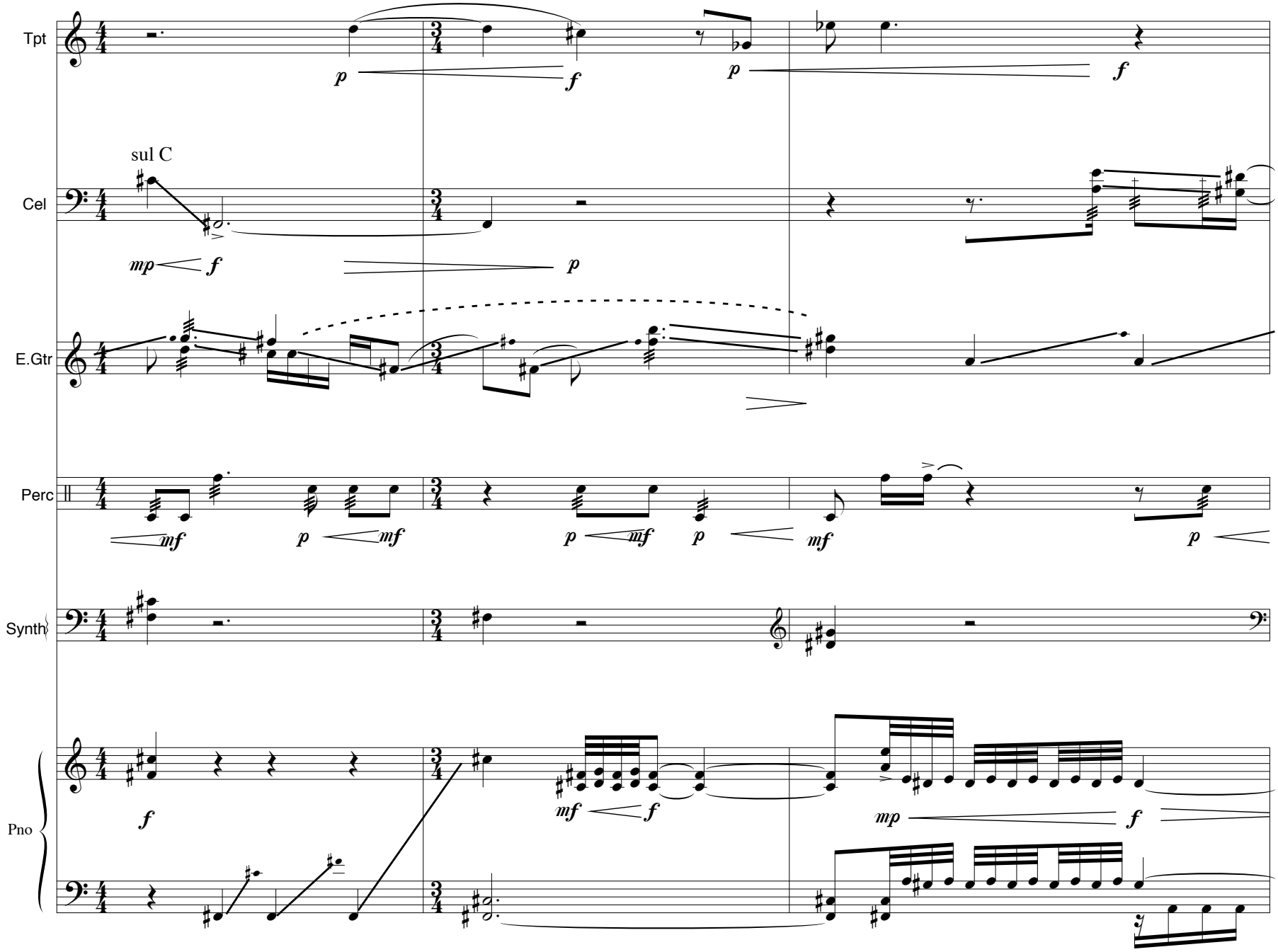

153
Tpt
Cel
E.Gtr
Perc
Synth
sul G
to piano
synth to Voice 4-played by trumpet player

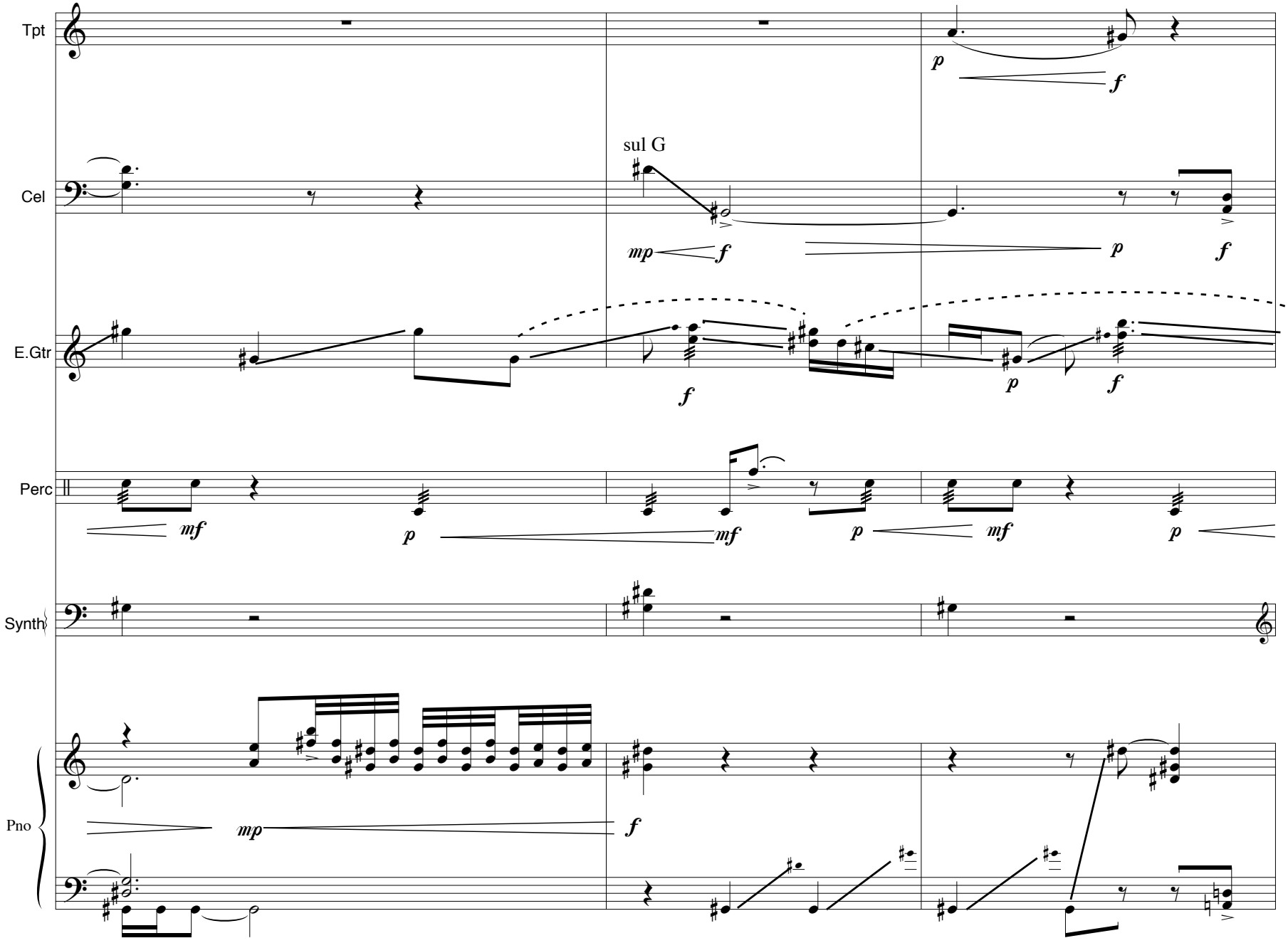

156
E
Tpt
Cel
E.Gtr
Perc
Voice 4
Synthesizer-played by
trumpet player
Synth
Pno

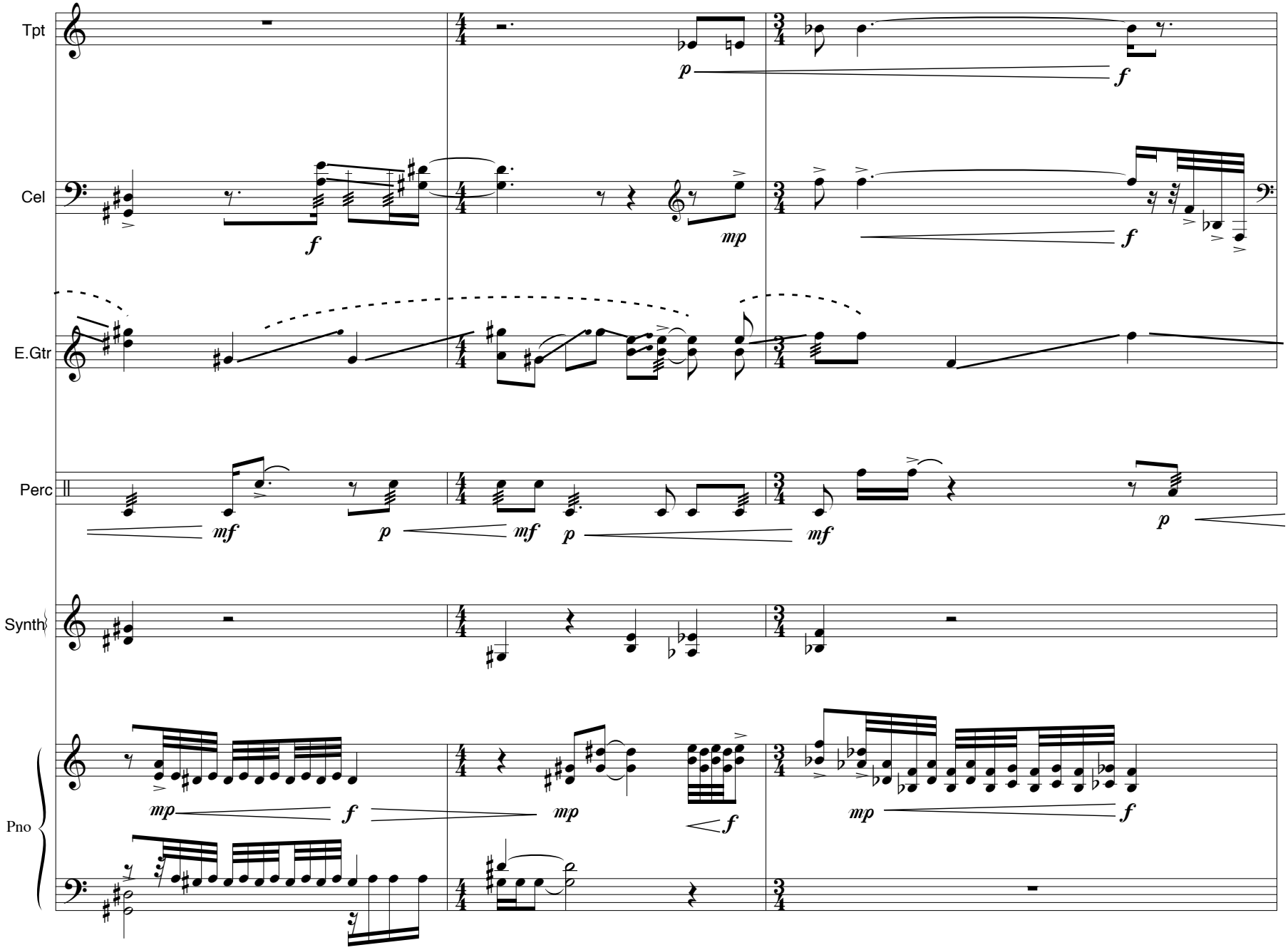

Tpt
Cel
E.Gtr
Perc
Synth
Pno
gliss

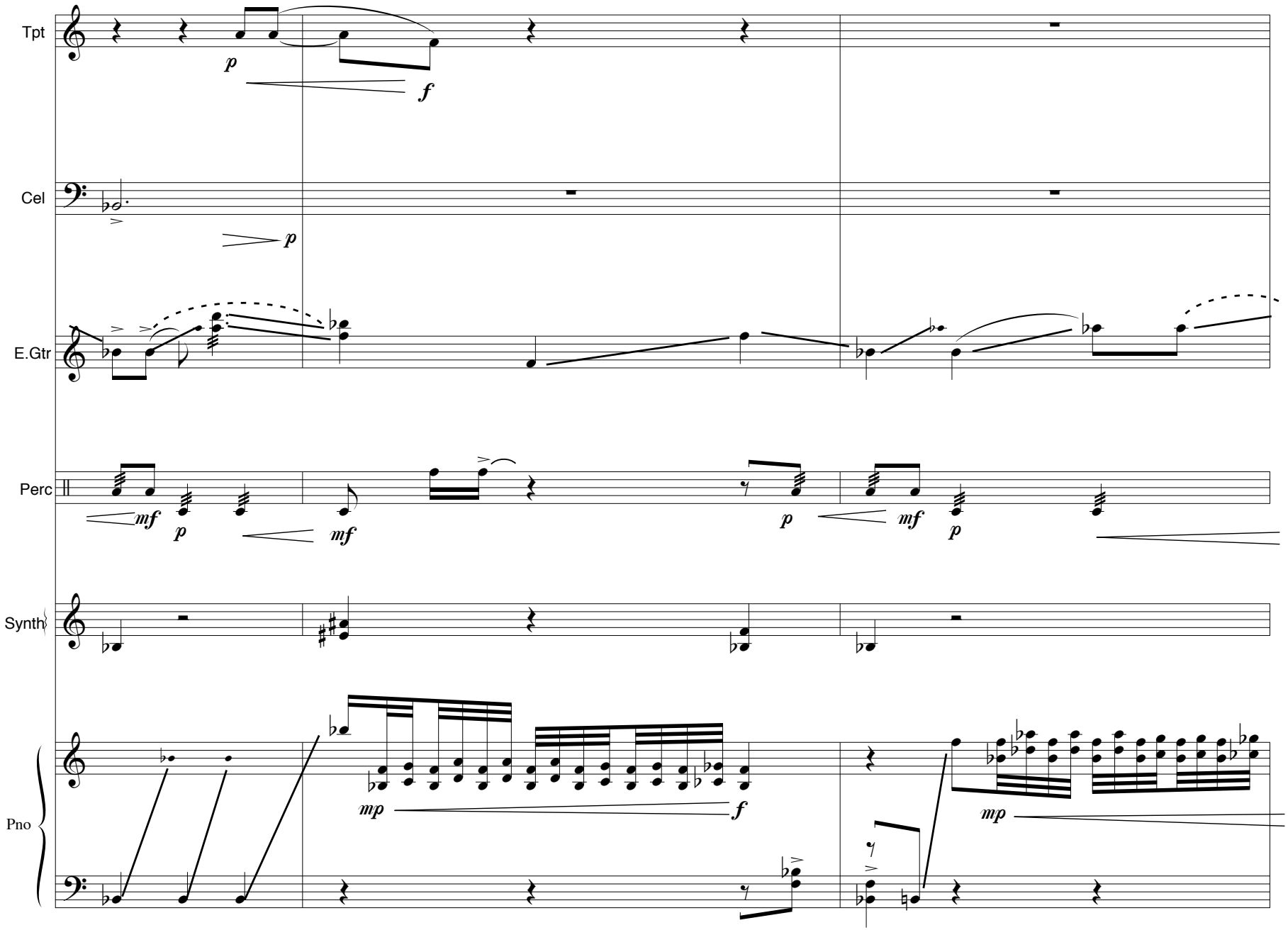

Tpt
Cel
E.Gtr
Perc
Synth
Pno
black key gliss

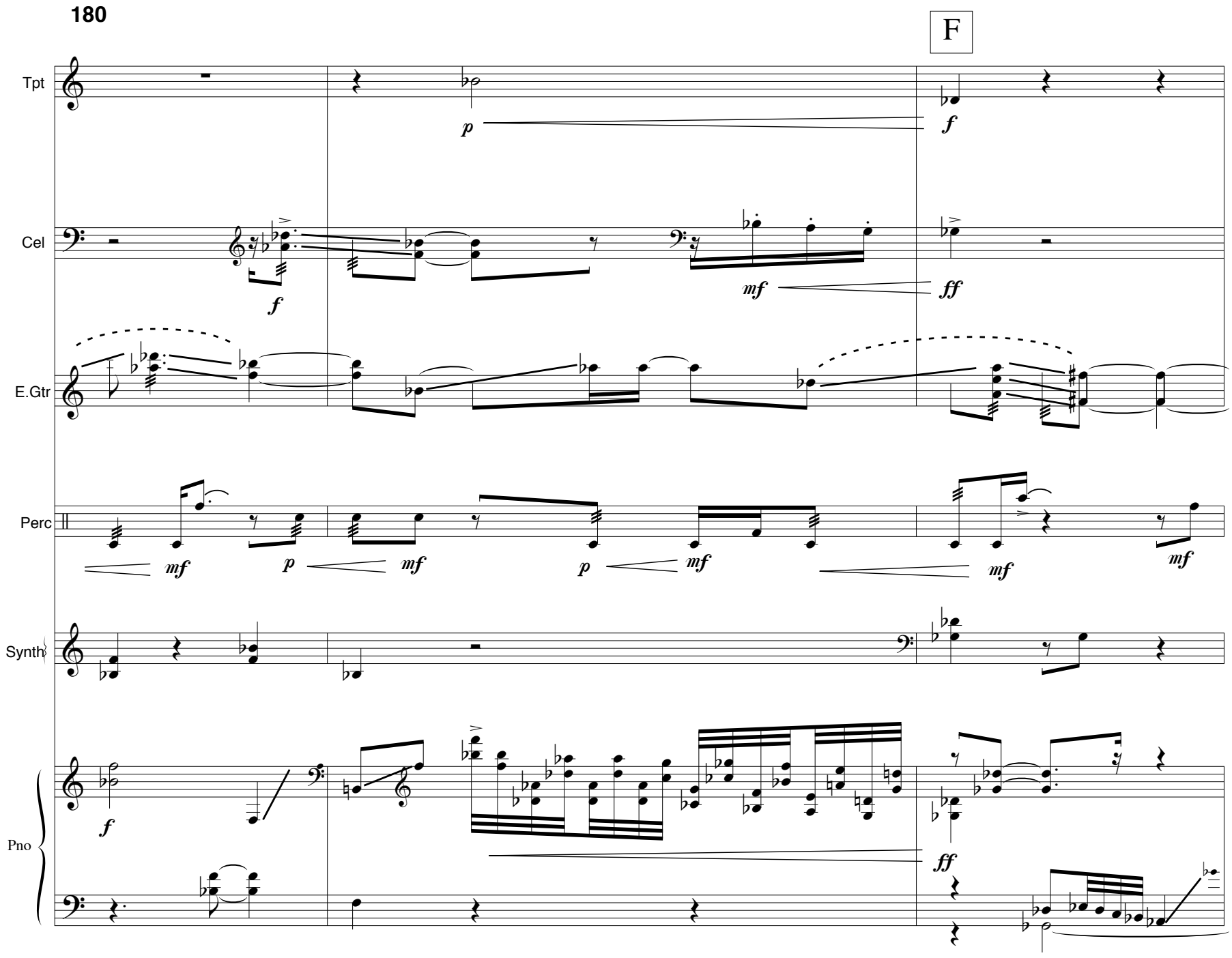

Tpt
Cel
E.Gtr
Perc
Synth
Pno
f
p
f
f
p
mf
mf
mf
f
mp
f
mp

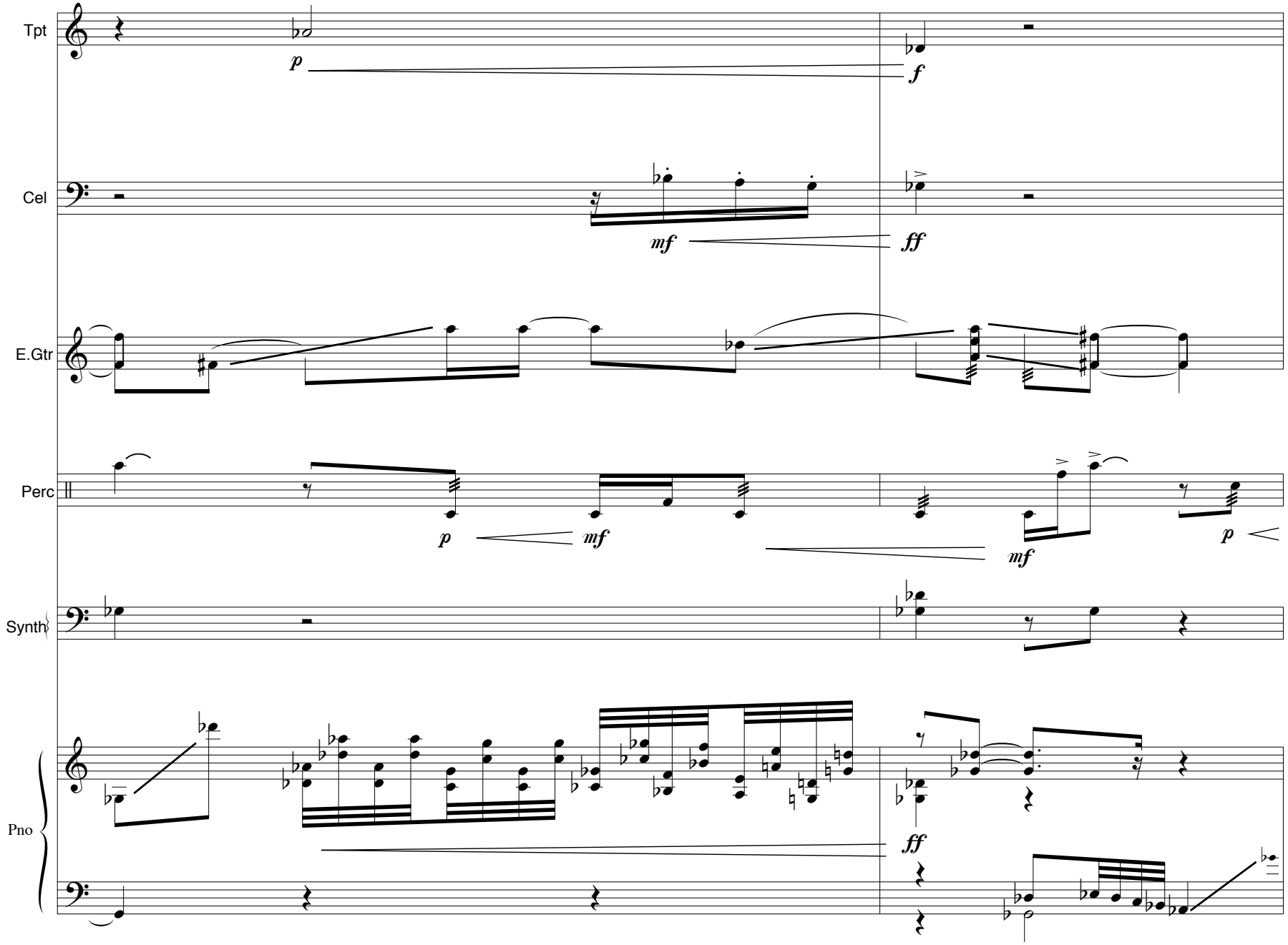

Tpt
Cel
sul C
E.Gtr
Perc
Synth
Pno

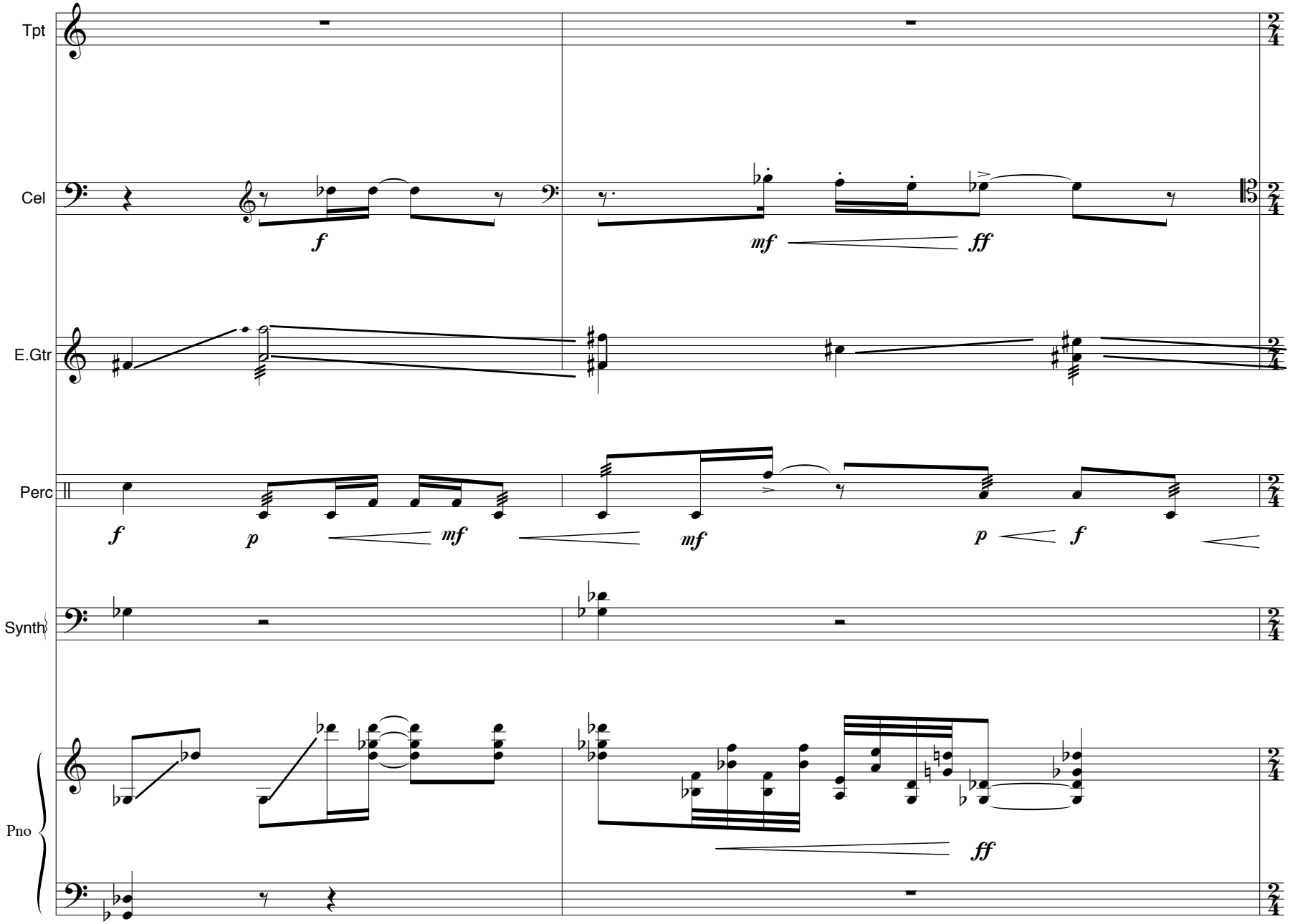

Tpt
Cel
E.Gtr
Perc
Synth
Pno
sul G

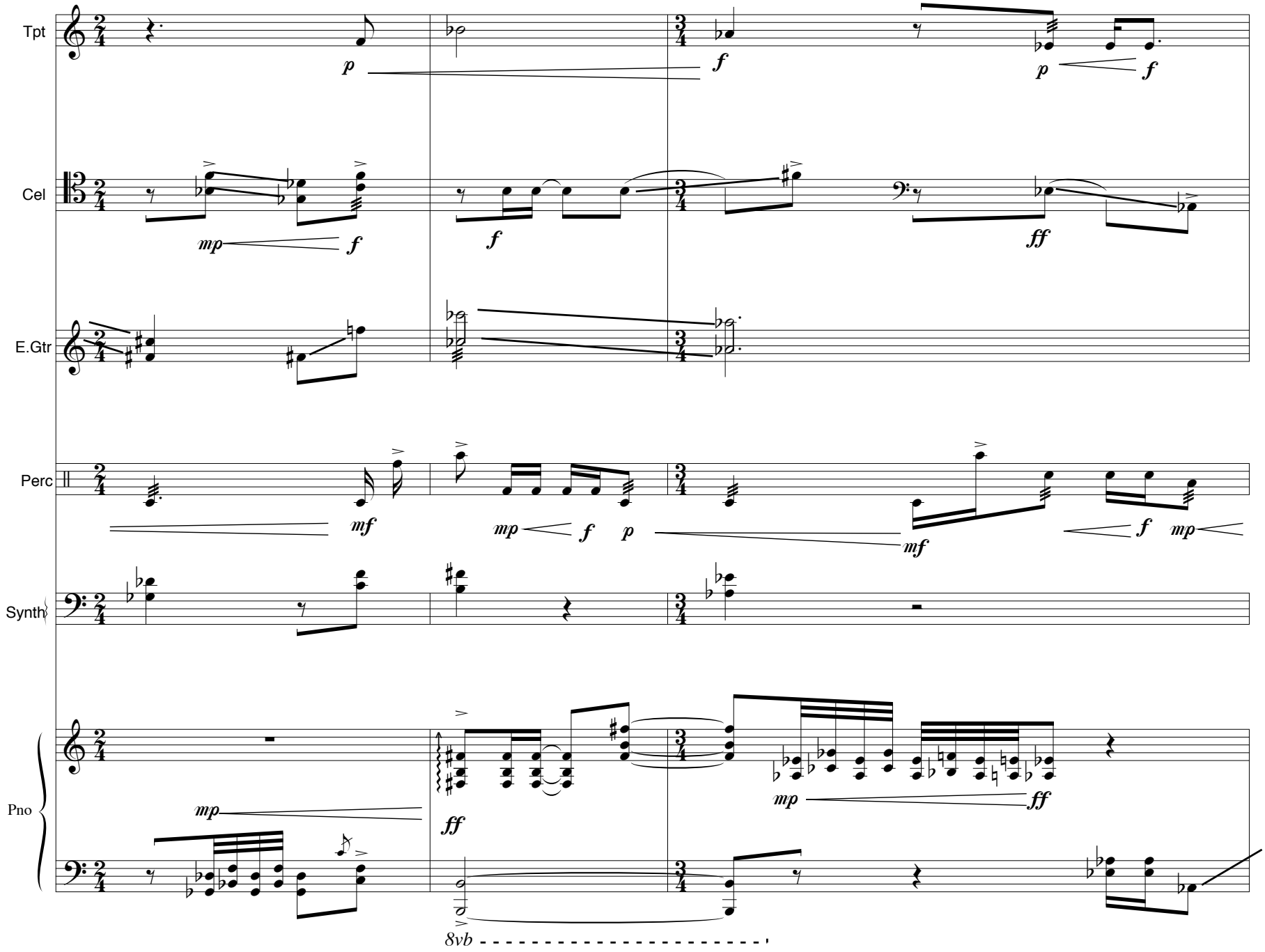

Tpt
Cel
E.Gtr
Perc
Synth
Pno

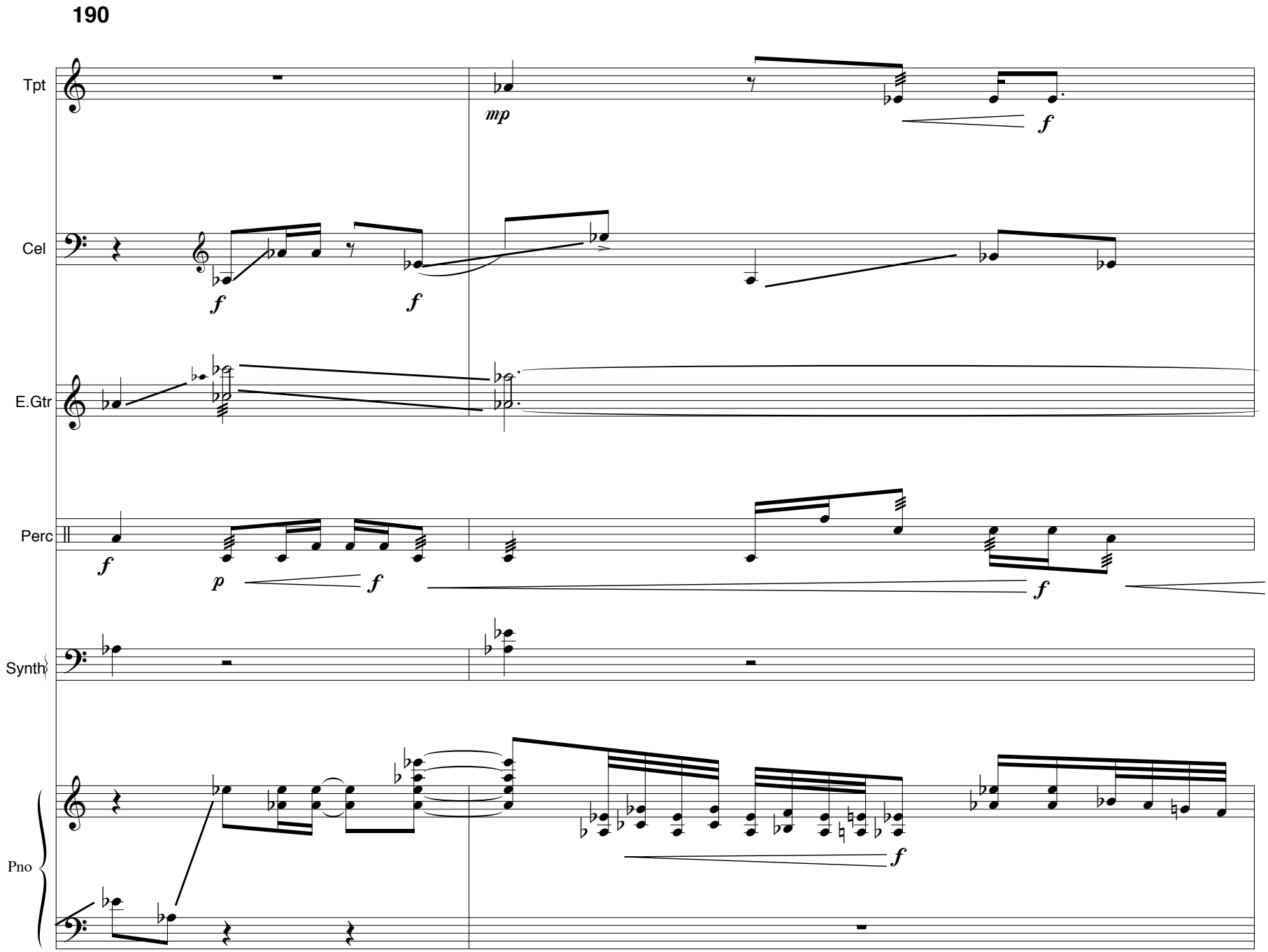

Tpt
Cel
E.Gtr
Perc
Synth
Pno
p
f
mf
mp

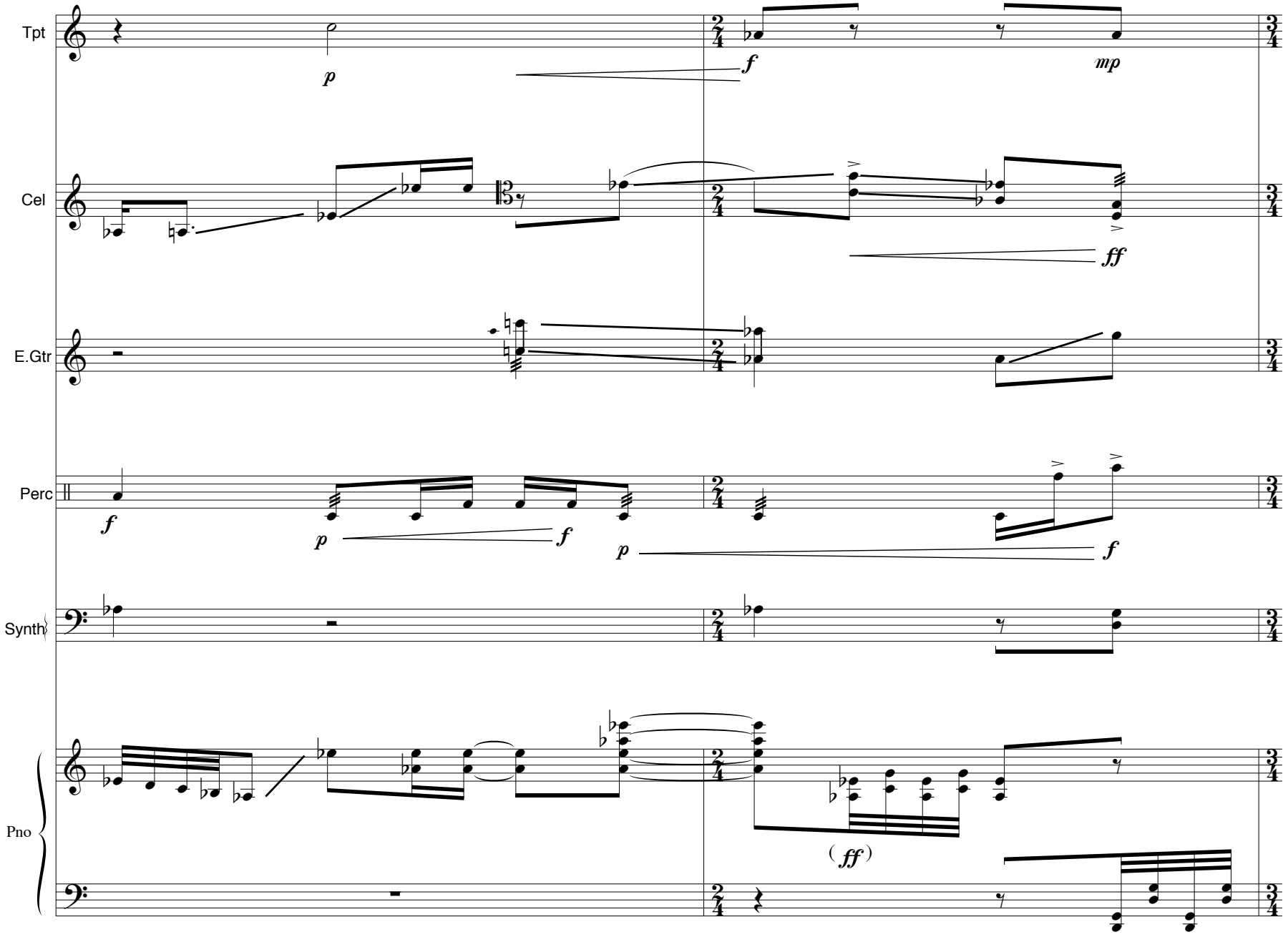

180
F
Tpt
Cel
E.Gtr
Perc
Synth
Pno
p
f
mf
ff

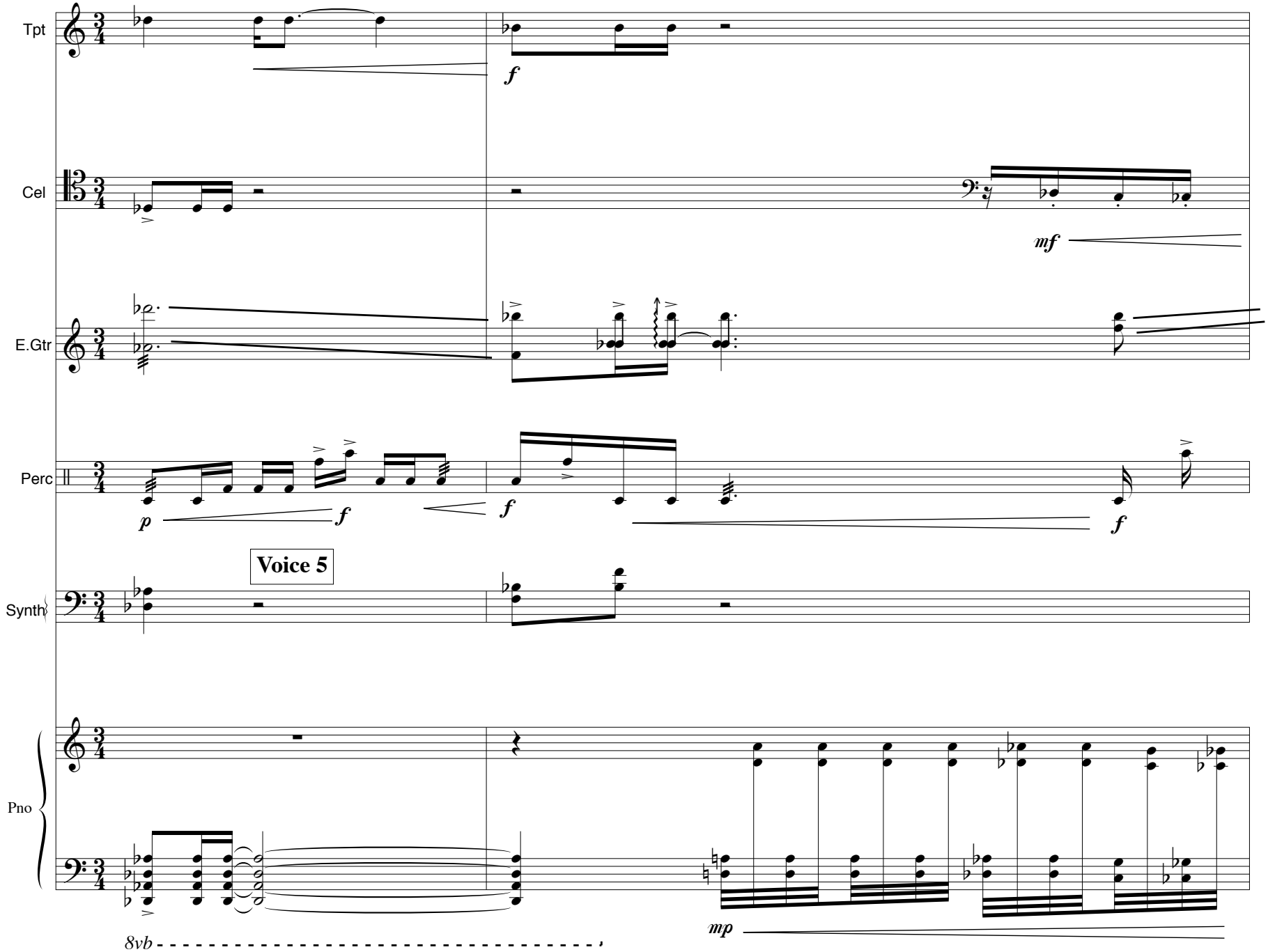

Tpt
Cel
E.Gtr
Perc
Synth
Pno
p
f
mf
ff
mf
p
mf
p
ff

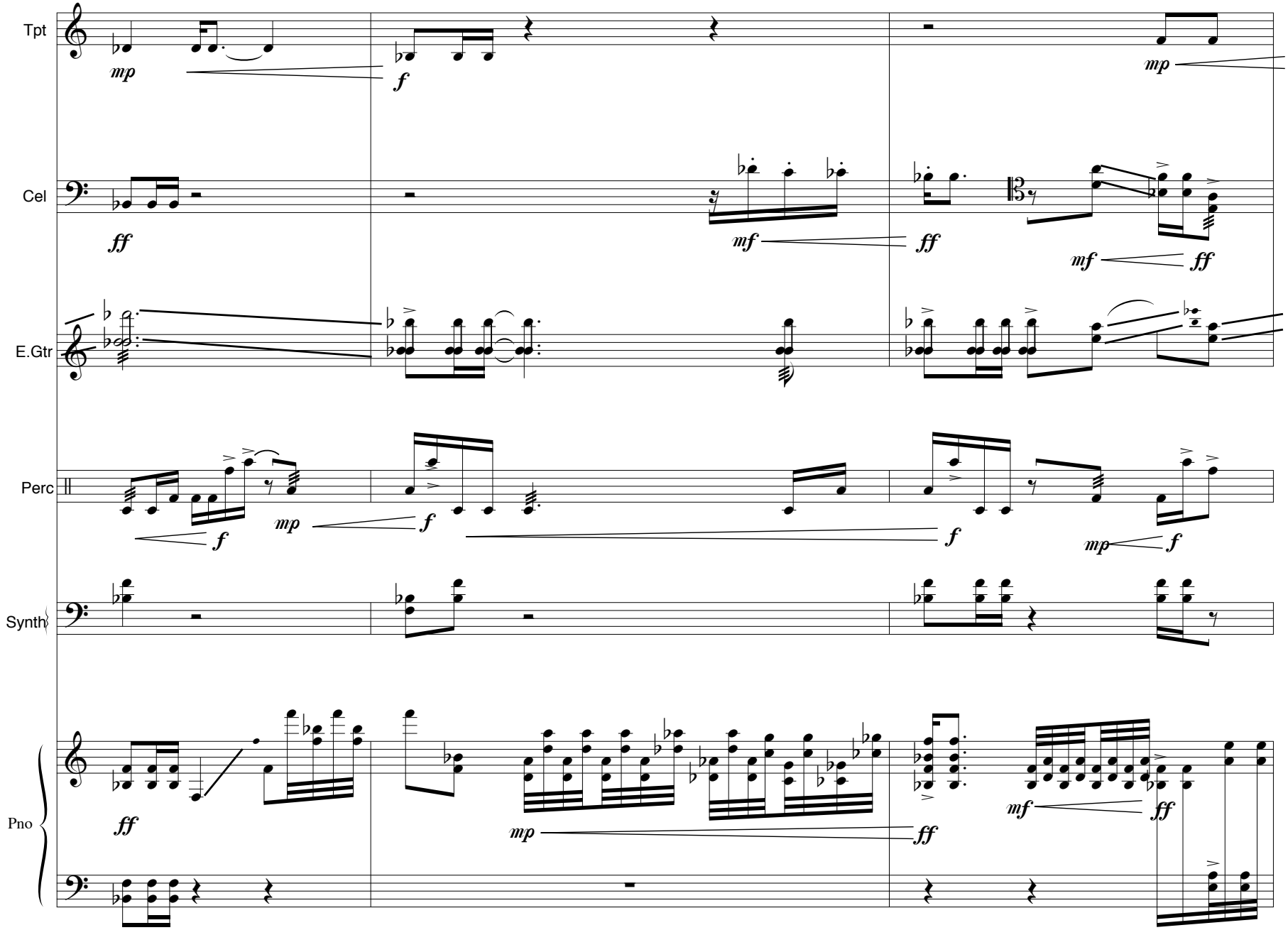

Tpt
Cel
E.Gtr
Perc
Synth
Pno
f
mf
ff
p

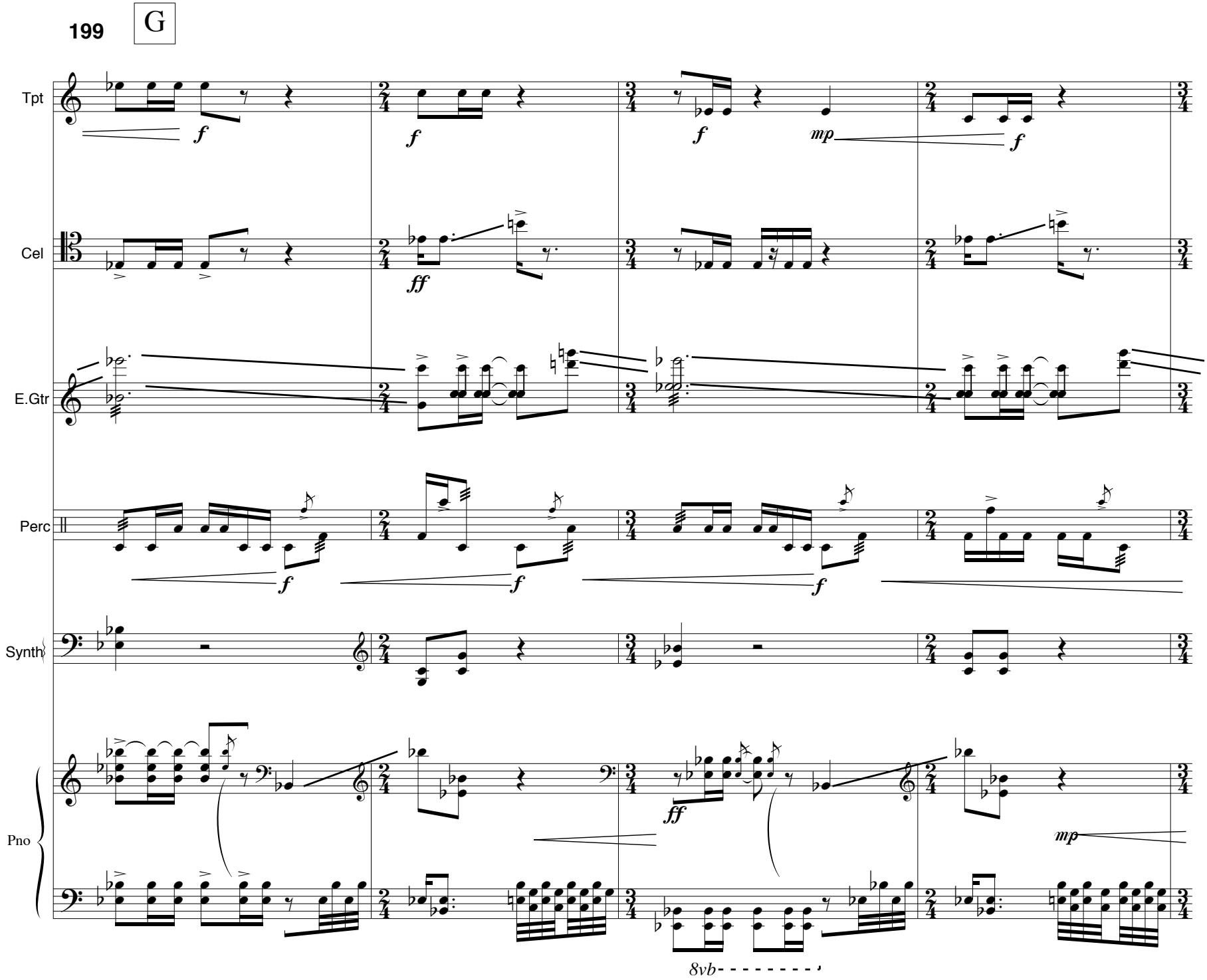

Tpt
Cel
E.Gtr
Perc
Synth
Pno
8vb

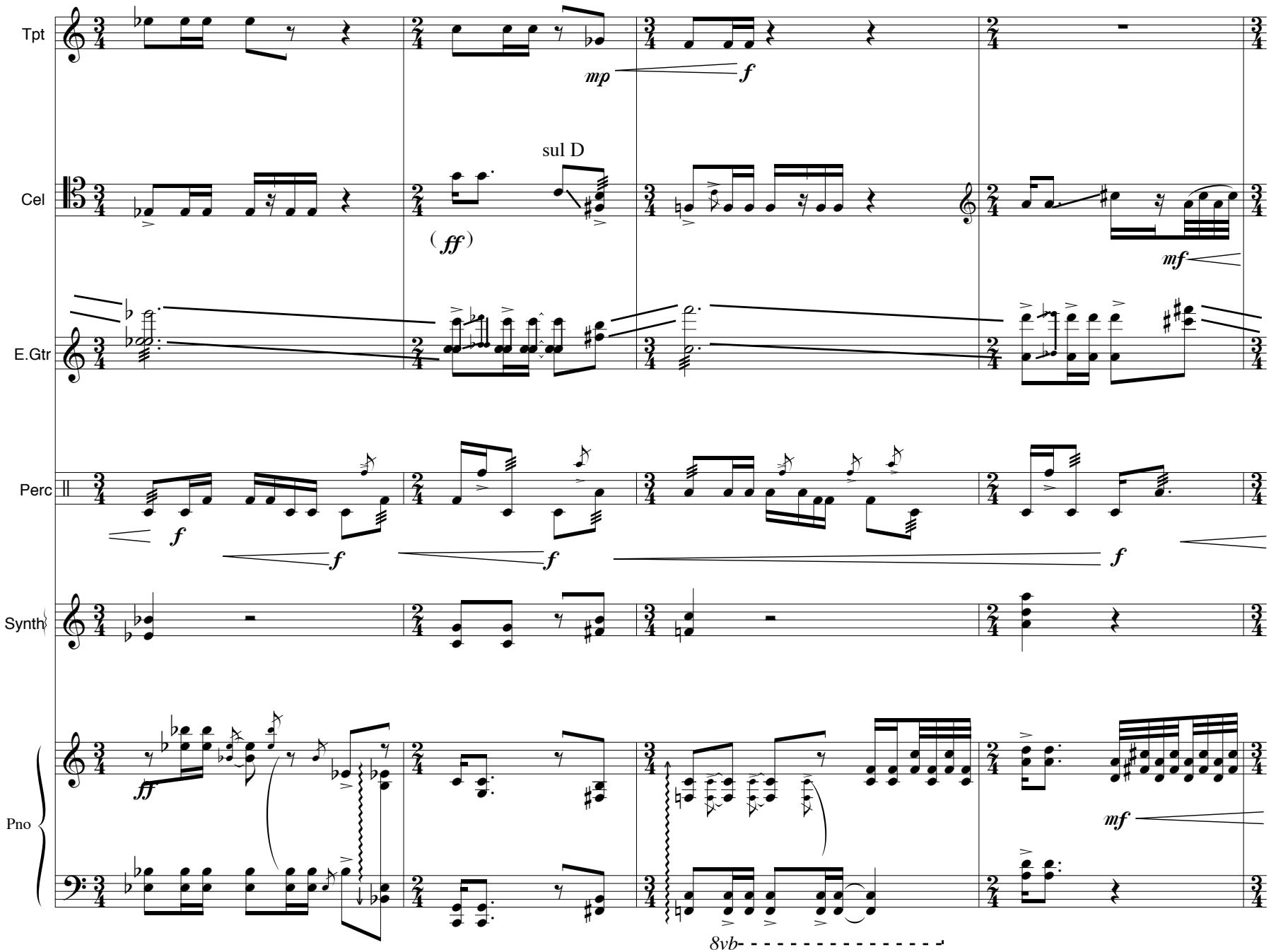

190
Tpt
Cel
E.Gtr
Perc
Synth
Pno
mp
f
p

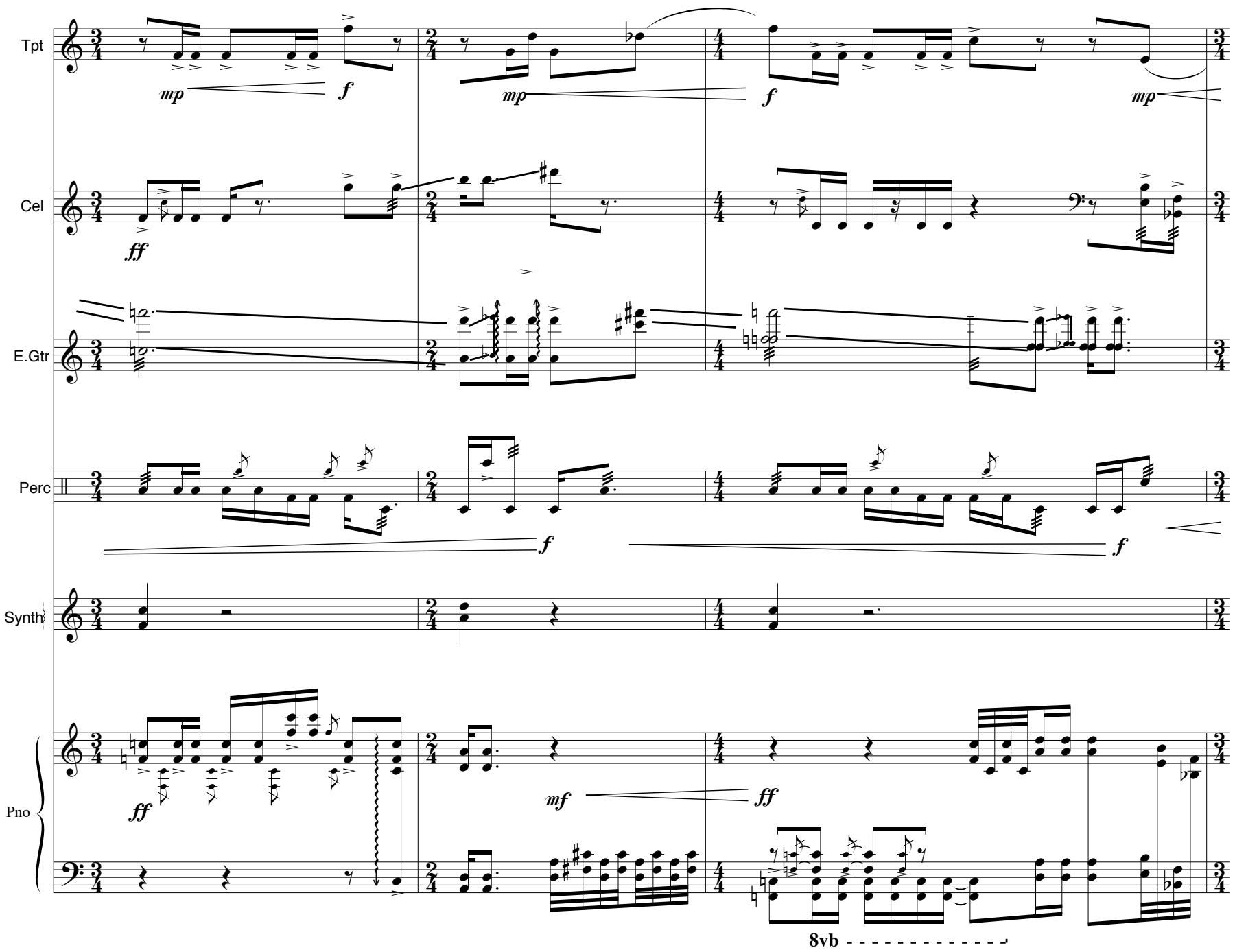

Tpt
Cel
E.Gtr
Perc
Synth
Pno
p
f
mp
ff
p
f
p
f
p
f
(ff)

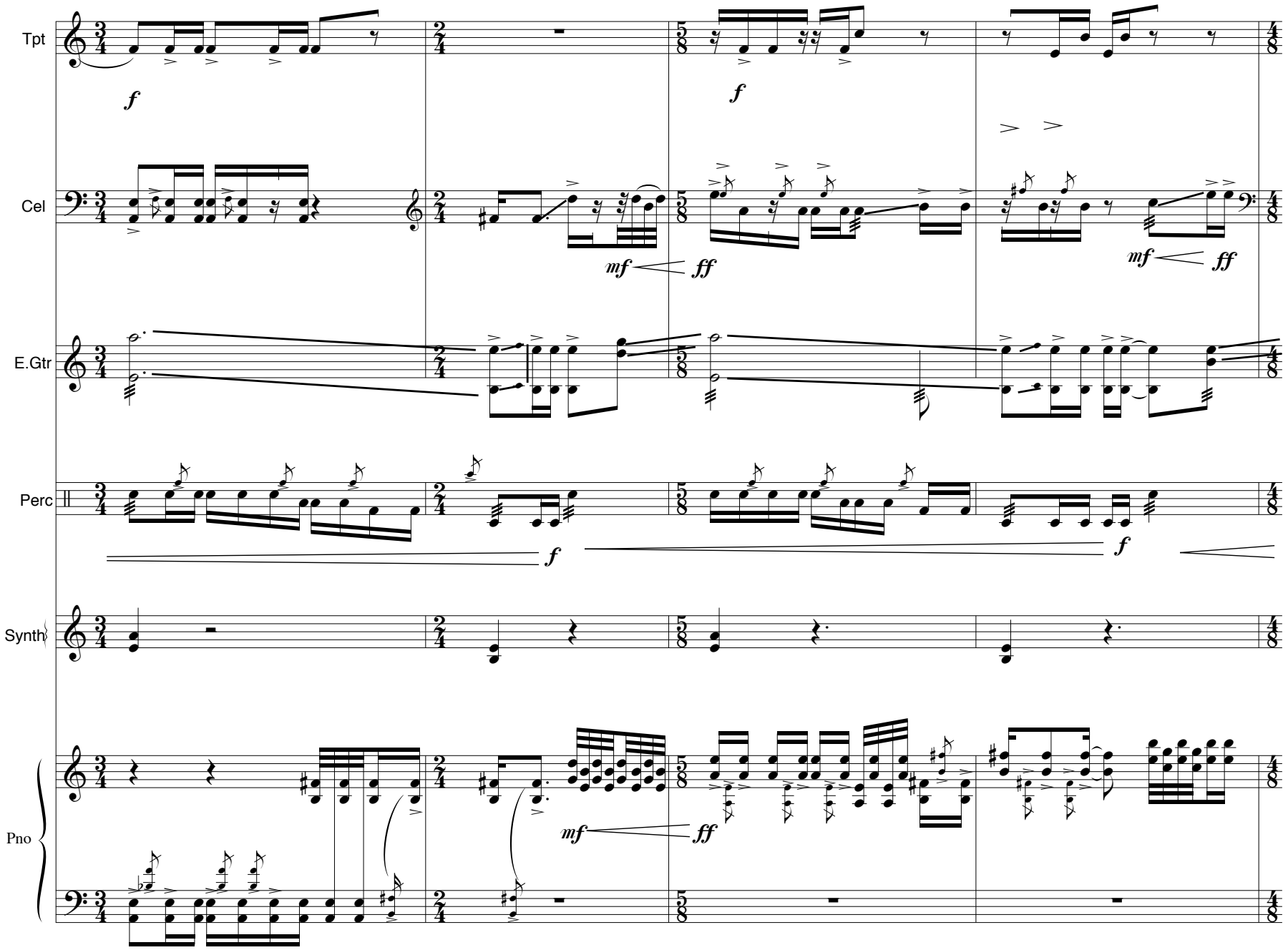

Tpt
Cel
E.Gtr
Perc
Synth
Pno
Voice 5
f
mf
p
f
f
f
mp
8vb

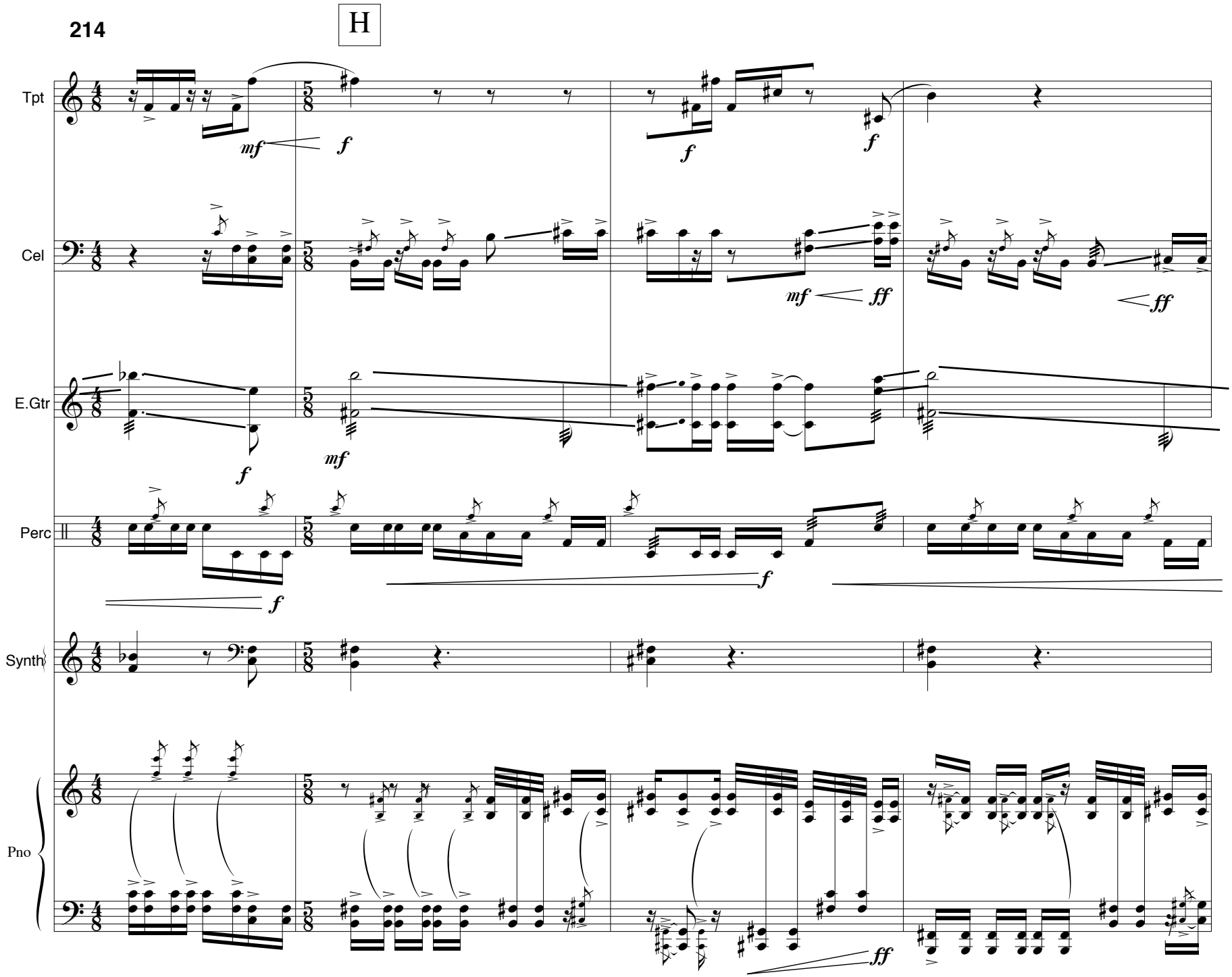

Tpt
Cel
E.Gtr
Perc
Synth
Pno

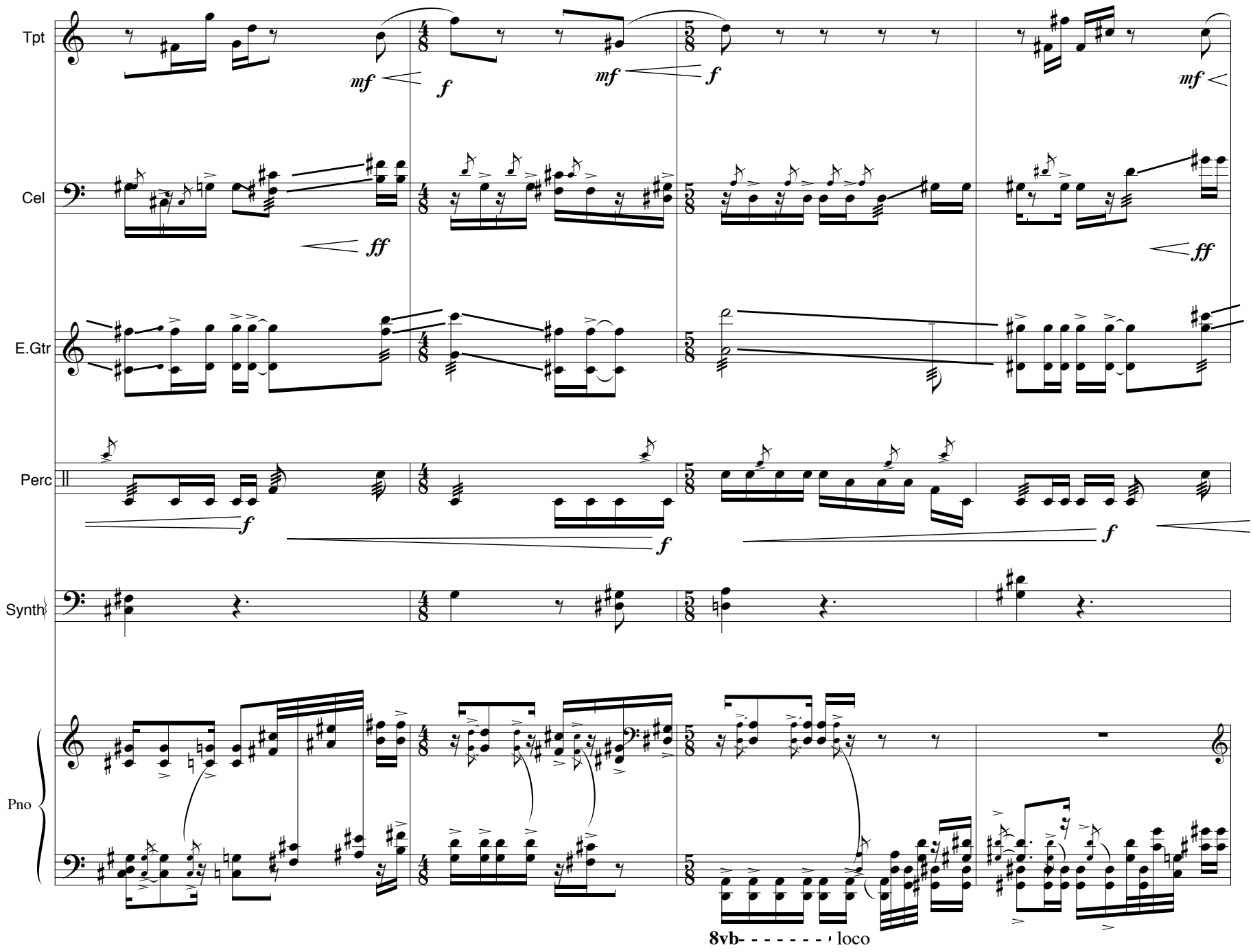

199
G
Tpt
Cel
E.Gtr
Perc
Synth
Pno
f
ff
mp
8vb

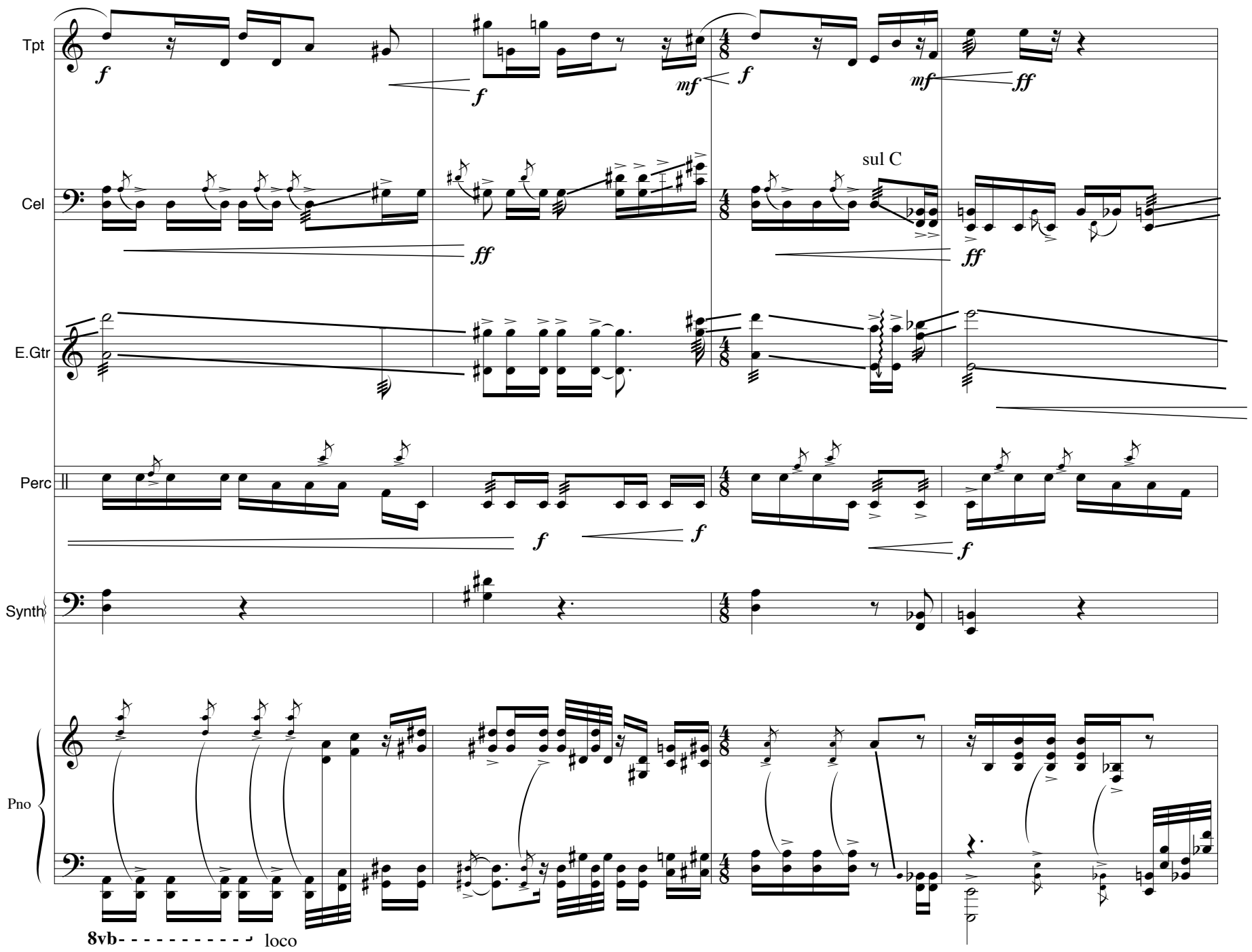

Tpt
Cel
E.Gtr
Perc
Synth
Pno
mp
f
sul D
(ff)
mf
f
f
f
f
ff
mf
8vb

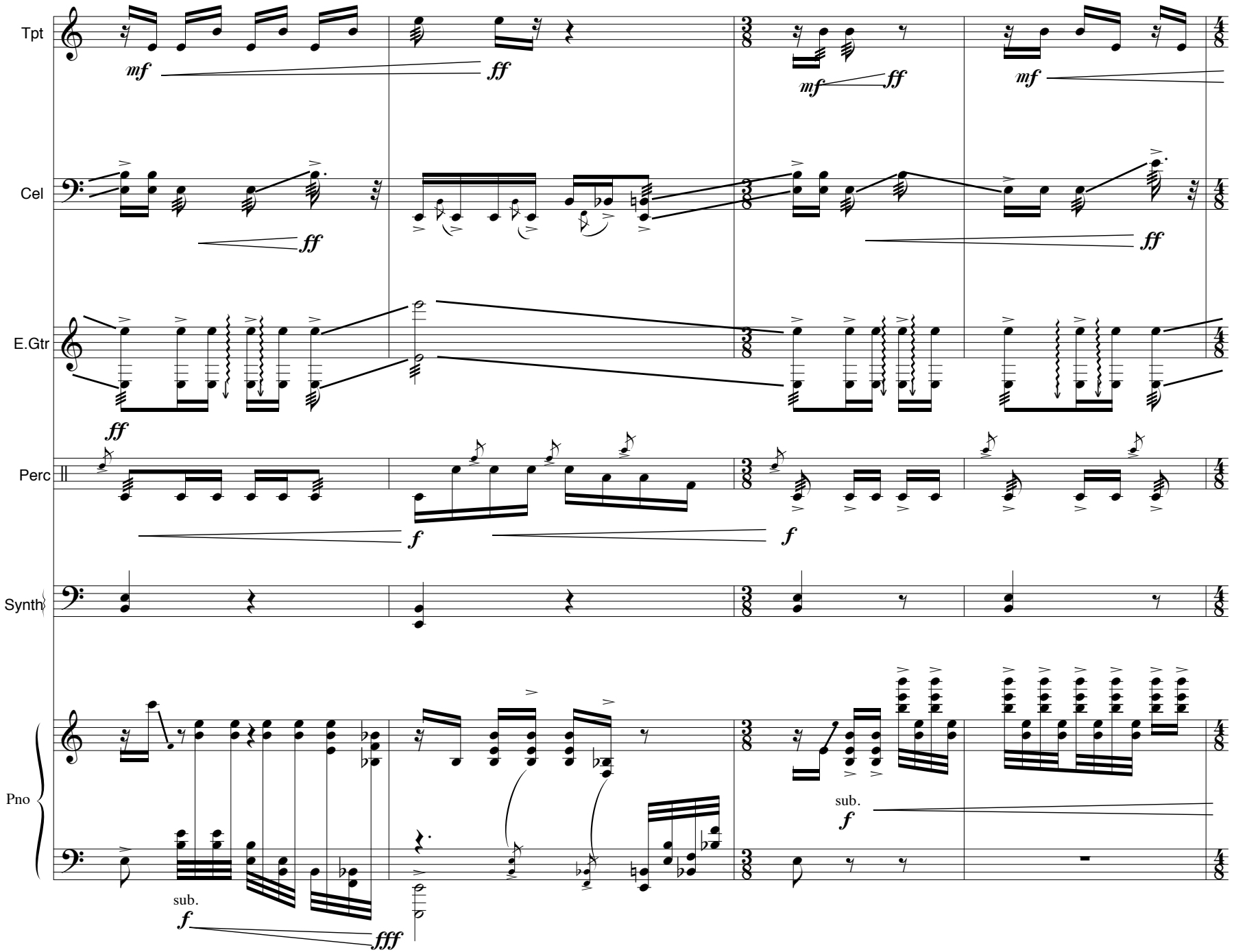

Tpt
Cel
E.Gtr
Perc
Synth
Pno
mp
f
ff
mf
8vb

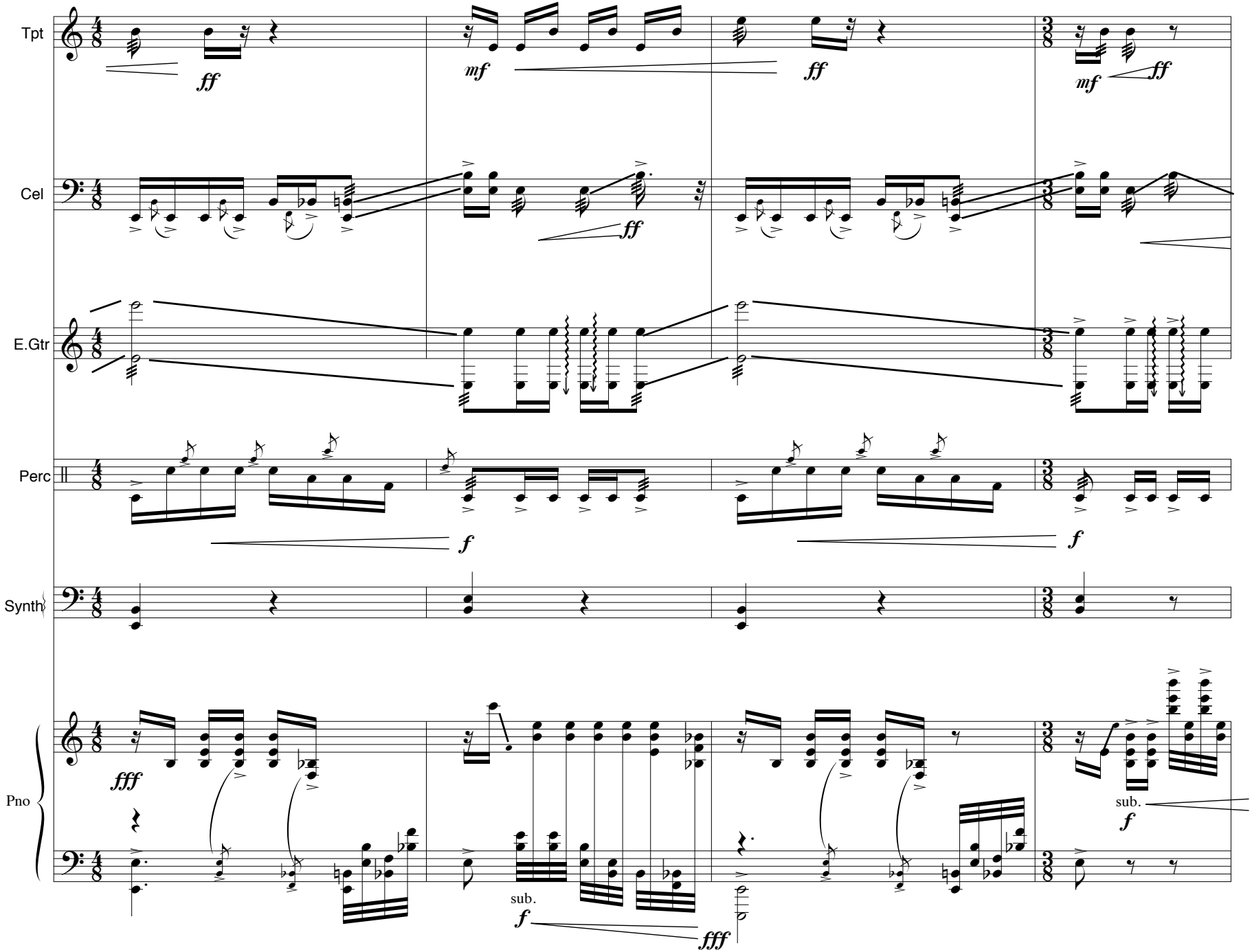

Tpt
Cel
E.Gtr
Perc
Synth
Pno
f
mf
ff

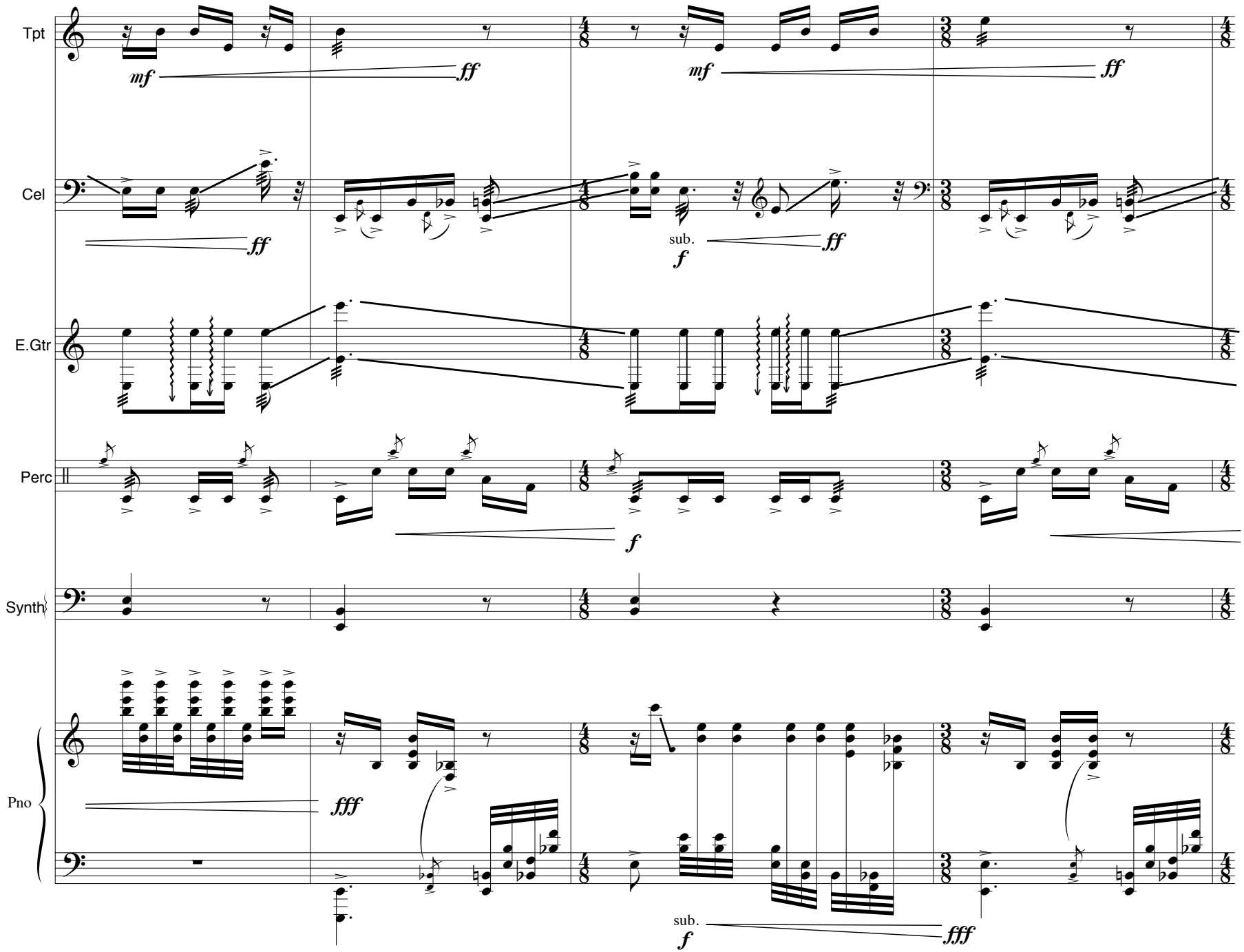

214
H
Tpt
Cel
E.Gtr
Perc
Synth
Pno
mf
f
ff


Tpt
Cel
E.Gtr
Perc
Synth
Pno
mf
f
ff
8vb
loco


Tpt
Cel
E.Gtr
Perc
Synth
Pno
sul C
8vb
loco


Tpt
Cel
E.Gtr
Perc
Synth
Pno
mf
ff
mf
ff
mf
ff
ff
ff
f
f
sub.
f
sub.
f
fff


Tpt
Cel
E.Gtr
Perc
Synth
Pno
ff
mf
ff
mf
ff
ff
f
f
fff
sub.
f
fff
sub.
f


Tpt
Cel
E.Gtr
Perc
Synth
Pno
mf
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mf
ff
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sub.
f
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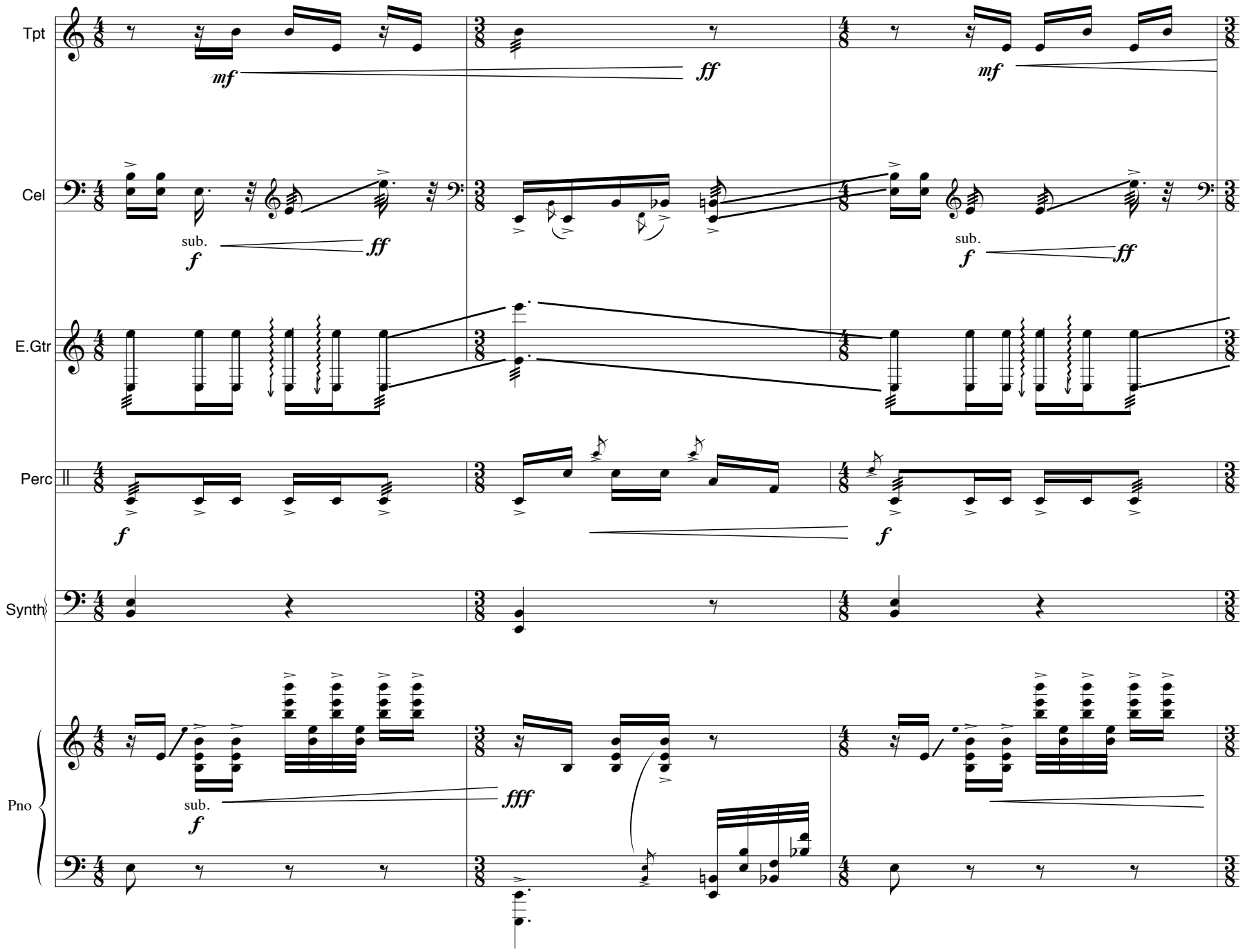
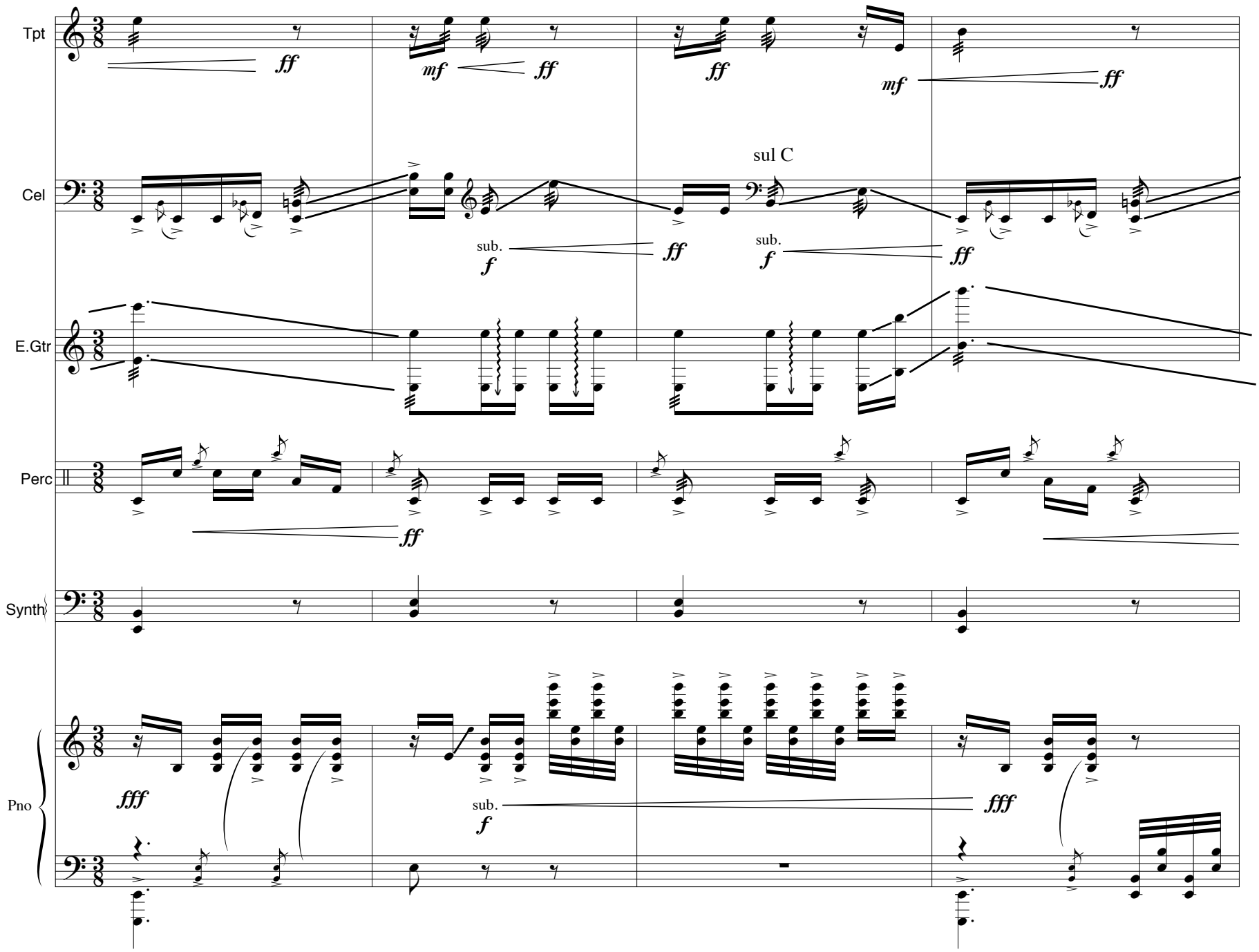
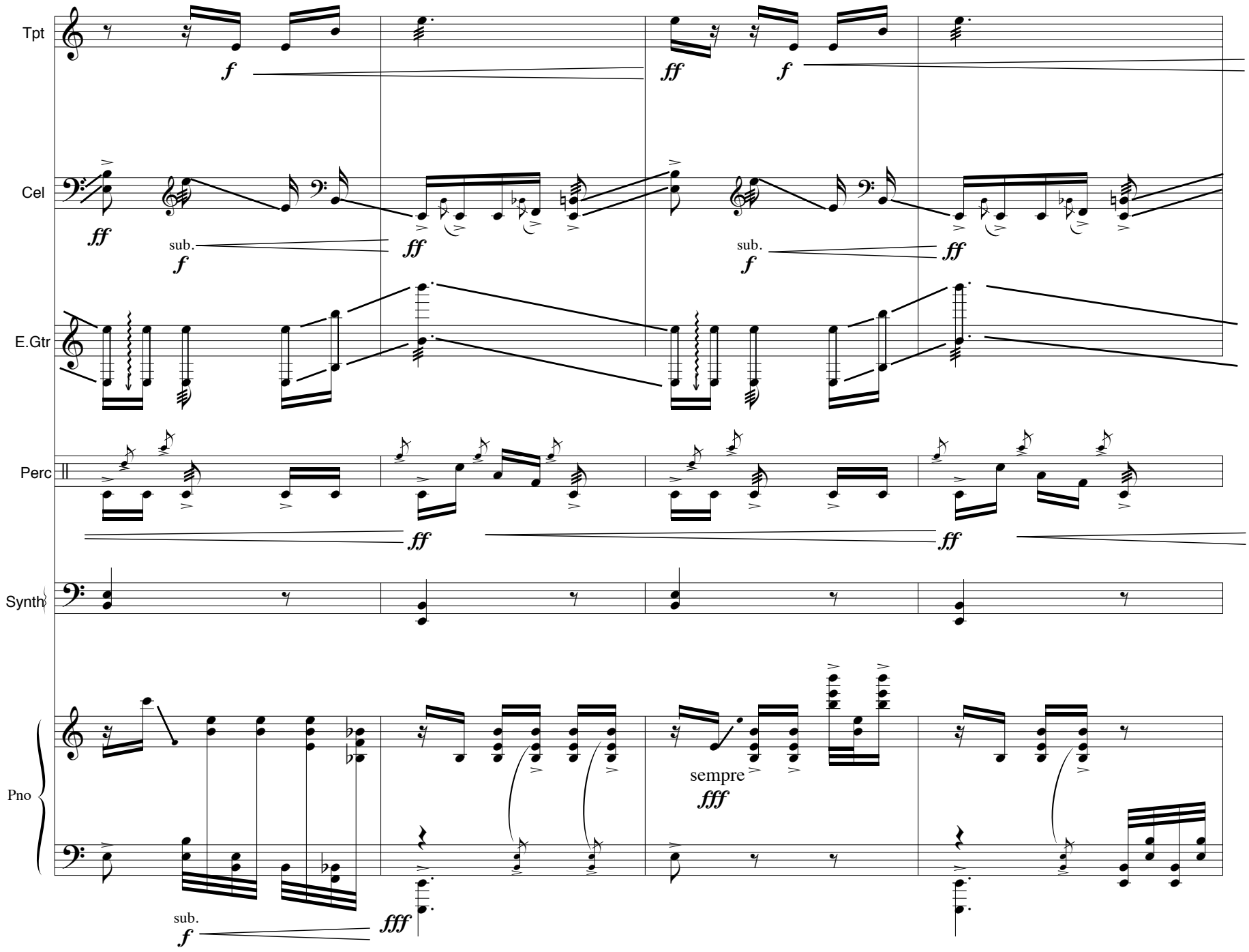
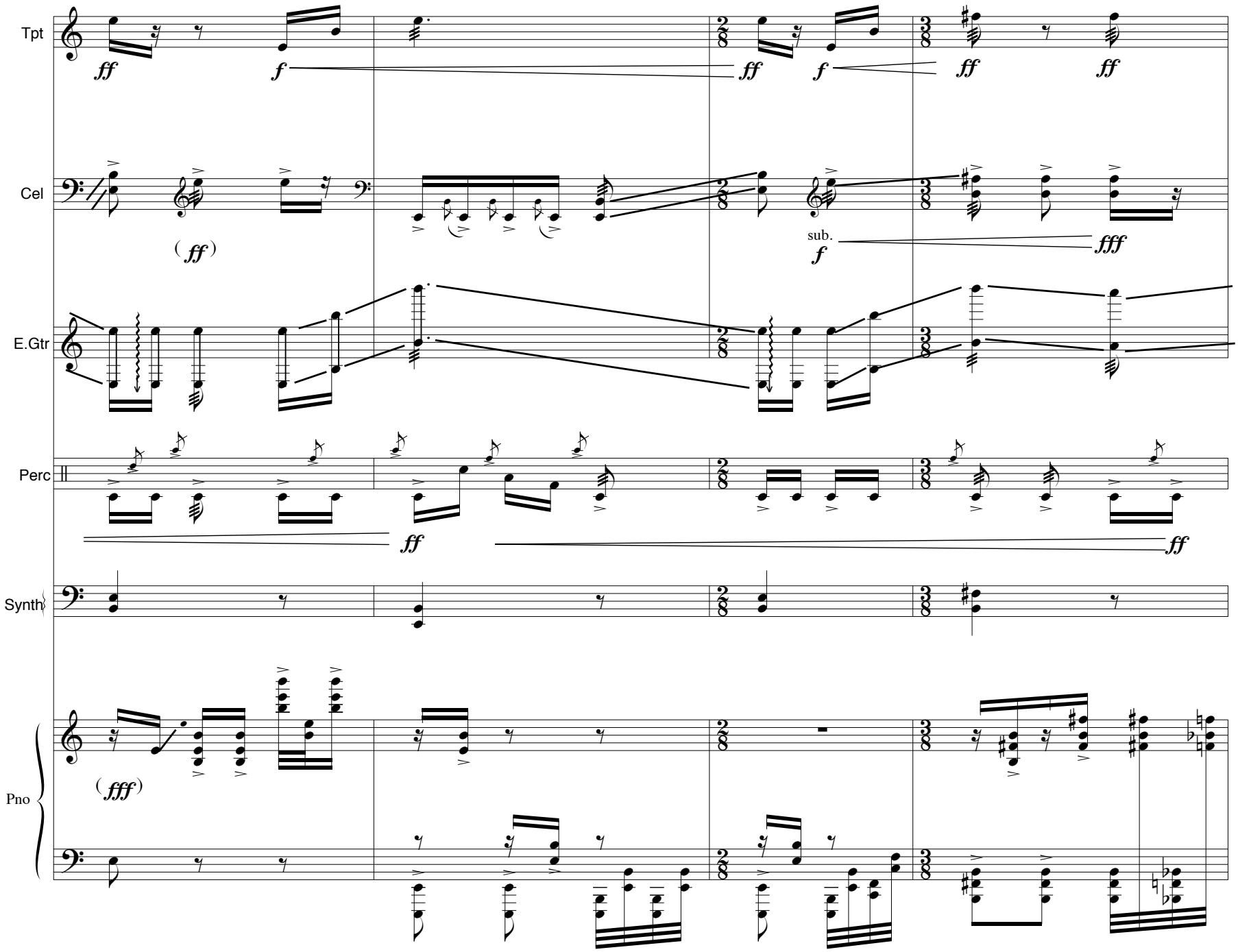
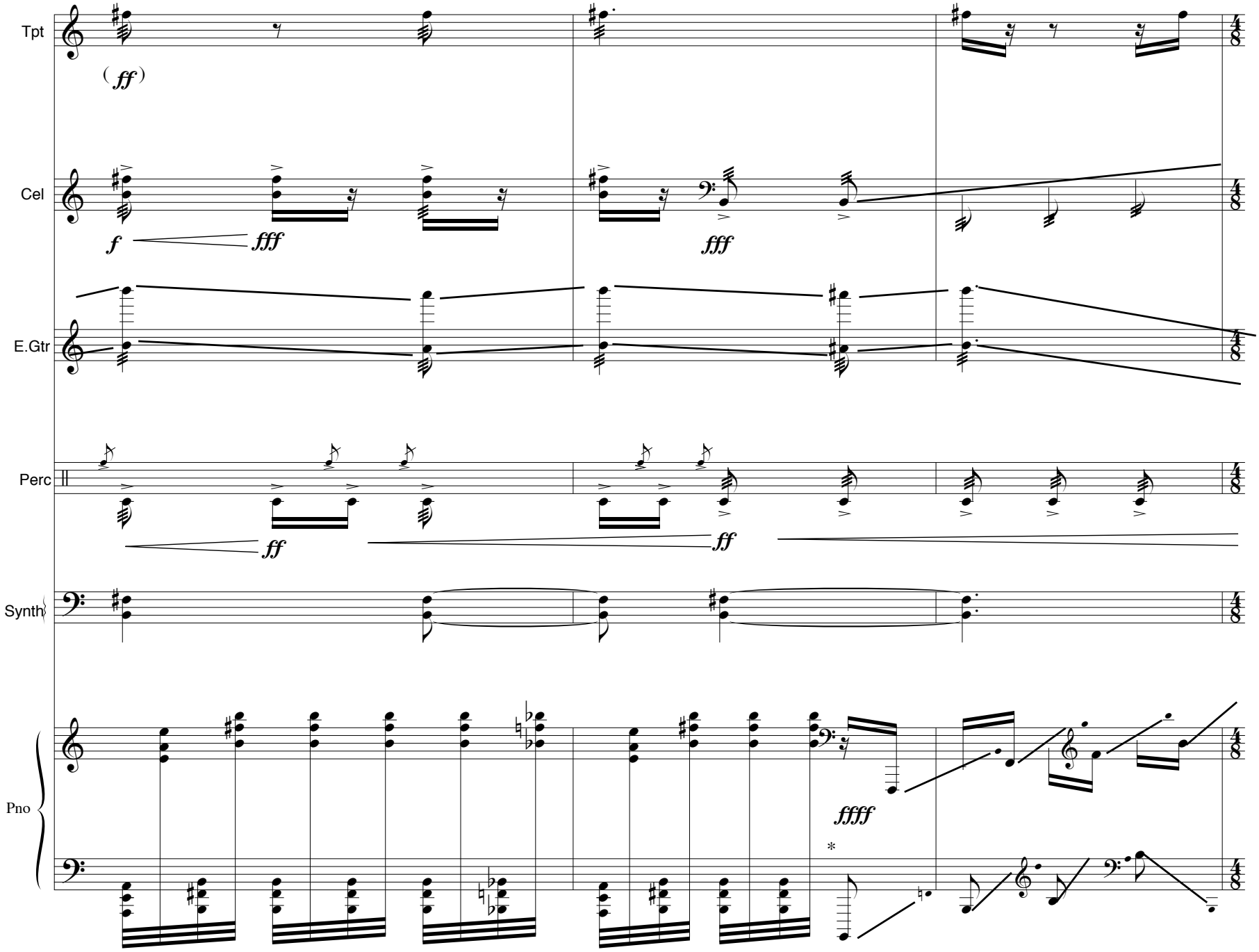
sub.
f
fff


Tpt
mf
ff
mf
Cel
sub.
f
ff
sub.
f
ff
E.Gtr
Perc
f
f
Synth
Pno
sub.
f
fff


Tpt
Cel
E.Gtr
Perc
Synth
Pno
sul C
sub.
sub.
sub.

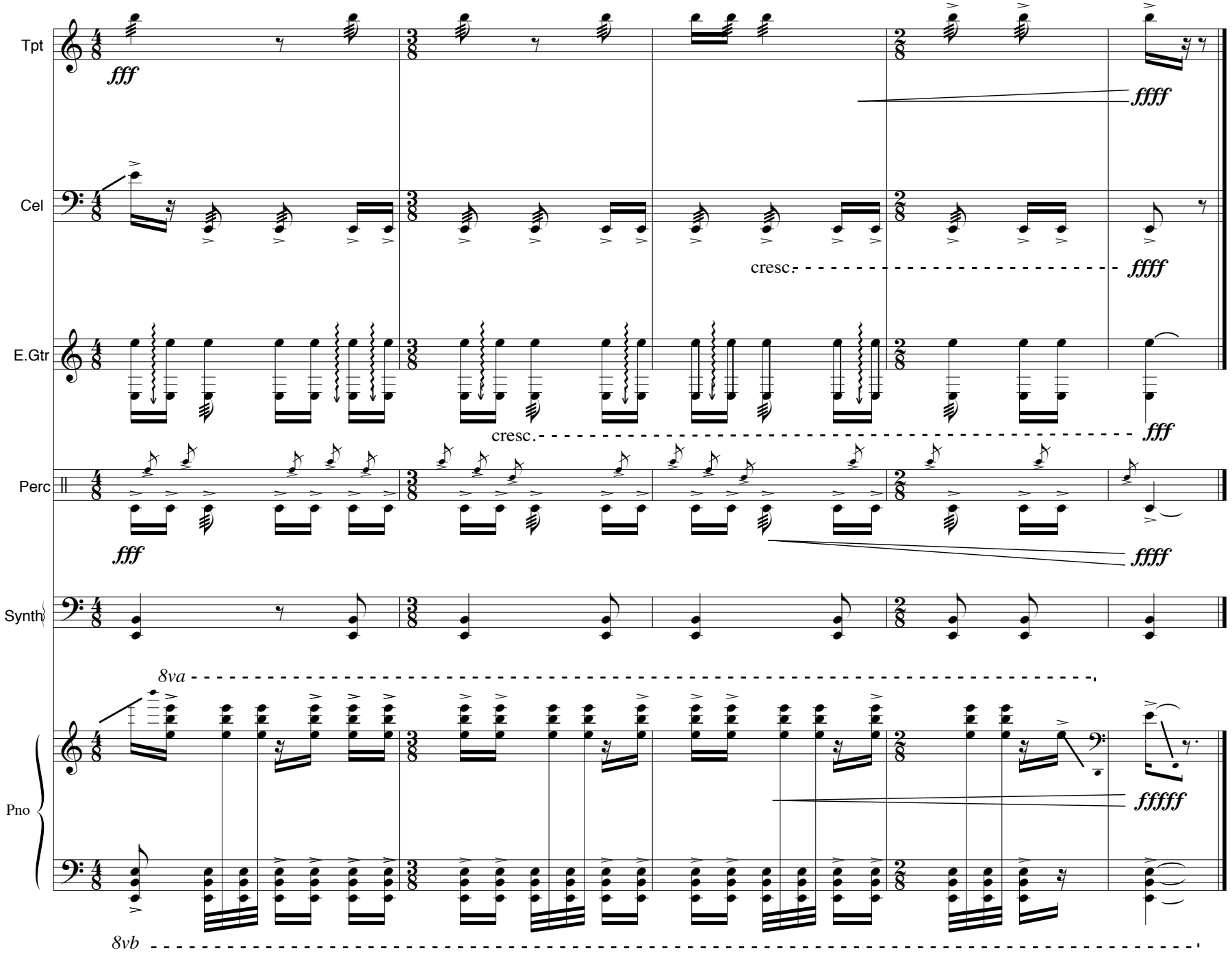

Tpt
Cel
E.Gtr
Perc
Synth
Pno
f
ff
sub.
sempre
fff


Tpt
Cel
E.Gtr
Perc
Synth
Pno
ff
f
ff
f
ff
ff
(ff)
sub.
f
fff
ff
ff
(fff)



* glissando endpoint pitches are approximate

DRIVING TO THE END -- NON RITARDANDO!!



VOICE 1

Yamaha TX81Z

name:#1__POLY4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	3	4	1	0	0	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	1	26	6	26	5	6	7	8
channel	3	3	1	3	5	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	I	I+II	I+II	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

	INSTRUMENTS
1	1a1a1a1a1a
2	1zzzzzzzzz
3	~~Click 1~~
4	***
5	***
6	***
7	***
8	***

'1a1a1a1a1a' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de- tune
4	31	0	15	0	0	off	62	0	0	0	0	off	3	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	1	rat	2	2.00	0	+1
1	10	31	15	0	3	off	99	0	0	0	0	off	6	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0 32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50 0	ampl: 2	br egb: 0	porta time:	99
delay:	0	breath:	0 0			bend range:	12
sync:	off	foot:	0 0			foot volum:	99

'1zzzzzzzzz' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de- tune
4	31	0	13	1	4	off	69	16	3	0	0	off	1	rat	1	1.00	0	+0
3	11	15	0	0	15	off	79	99	3	3	0	off	1	rat	10	10.00	0	+0
2	11	27	9	26	15	off	49	98	3	2	0	off	1	rat	1	1.00	0	+0
1	31	31	15	2	5	off	99	22	2	0	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	SAW UP	direct:	0 0	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50 0	ampl: 3	br egb: 0	porta time:	0
delay:	0	breath:	50 0			bend range:	2
sync:	off	foot:	0 0			foot volum:	99

VOICE 2

name:#2-poly4

assign mode:normal

micro tune table:octave

key:**

effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	4	3	1	0	0	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	22	21	6	6	5	6	7	8
channel	2	2	1	4	5	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	I	I+II	I+II	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

INSTRUMENTS

1 bass222222
2 2b2b2b2b2b
3 ~~Click 1~~
4 ***
5 ***
6 ***
7 ***
8 ***

'bass222222' transpose: C 2 reverb:0 alg:3 fdbk:7

	envelope						scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	31	1	4	0	8	off	62	0	3	3	0	off	1	rat	3	3.00	0	+3
3	31	9	12	6	8	off	69	27	3	7	0	off	1	rat	9	9.00	0	+3
2	31	1	0	0	8	off	82	0	2	0	0	off	1	rat	0	0.50	0	-3
1	31	9	9	0	9	off	99	0	0	1	0	off	1	rat	1	1.00	0	+0

LFO

wave: TRIANGL
speed: 28
delay: 0
sync: off

pitch_ampl_sensitivity

	direct:	0	0
	wheel:	75	0
	breath:	0	0
	foot:	0	0

pitch: 5
ampl: 0

|bias mod

|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FNGR
|porta time: 0
|bend range: 4
|foot volum: 99

'2b2b2b2b2b' transpose: C 2 reverb:4 alg:3 fdbk:7

	envelope						scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	14	16	15	10	4	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	15	19	15	13	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	21	31	15	12	2	off	63	0	0	0	0	off	3	rat	2	2.00	0	+1
1	31	31	15	9	3	off	99	0	0	0	0	off	5	rat	1	1.00	0	+0

LFO

wave: TRIANGL
speed: 11
delay: 0
sync: off

pitch_ampl_sensitivity

	direct:	0	32
	wheel:	50	0
	breath:	0	0
	foot:	0	0

pitch: 6
ampl: 2

|bias mod

|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FULL
|porta time: 95
|bend range: 12
|foot volum: 99

VOICE 3

name:#3-poly4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	1	2	2	2	1	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	2	27	18	12	6	1	1	1
channel	2	2	2	2	1	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	II	II	I	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

	INSTRUMENTS
1	2a2a2a2a2a
2	Clear Clav
3	4-improved
4	Pizzicato
5	~~Click 1~~
6	***
7	***
8	***

'2a2a2a2a2a' transpose: C 2 reverb:0 alg:1 fdbk:1

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	31	22	15	0	0	off	62	0	0	0	0	off	3	rat	1	1.00	0	-1
3	16	31	15	0	2	off	66	0	0	0	0	off	3	rat	1	1.00	0	+0
2	15	31	14	0	2	off	70	0	0	0	0	off	3	rat	2	2.00	0	+1
1	16	31	15	0	3	off	99	0	0	0	0	off	6	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	SAW UP	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 3	br egb: 0	porta time:	50
delay:	0	breath:	0	0			bend range:	4
sync:	on	foot:	0	0			foot volum:	99

'Clear Clav' transpose: C 3 reverb:0 alg:3 fdbk:7

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	30	28	12	5	0	off	78	32	2	0	0	off	1	rat	0	0.50	0	+2
3	29	1	0	1	0	off	57	50	1	0	0	off	1	rat	6	10.38	0	+1
2	23	26	13	1	0	off	75	9	0	0	0	off	1	rat	0	0.50	0	+1
1	24	27	12	5	7	off	99	2	2	0	0	off	1	rat	2	2.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 0	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	50	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	5
sync:	off	foot:	0	0			foot volum:	99

(more)

VOICE 3 (continued)

'4444444444' transpose: C 1 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	31	0	15	0	0	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	1	rat	2	2.00	0	+1
1	10	31	15	0	3	off	99	0	0	0	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod		keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+	0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 2	br egb:	0	porta time:	18
delay:	0	breath:	0	0				bend range:	12
sync:	off	foot:	0	0				foot volum:	99

'Pizzicato ' transpose: C 3 reverb:6 alg:2 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	27	24	10	21	15	off	97	0	0	1	0	off	1	rat	1	1.00	0	+0
3	31	13	0	0	8	off	91	0	0	1	0	off	4	rat	1	1.00	0	+0
2	31	31	12	0	7	off	84	0	0	1	0	off	1	rat	1	1.00	0	+3
1	31	16	0	0	6	off	99	0	0	1	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod		keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 6	br pch:+	0	porta mode:	FULL
speed:	35	wheel:	50	0	ampl: 0	br egb:	0	porta time:	0
delay:	0	breath:	0	0				bend range:	4
sync:	off	foot:	0	0				foot volum:	99

VOICE 4

name:#4-poly4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	2	1	2	2	1	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	28	27	15	25	6	6	7	8
channel	2	2	2	2	1	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	II	II	I	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

INSTRUMENTS
1 4444444444
2 Clear Clav
3 4zzzzzzzzz
4 Harpsi Hi
~~5 Glick 1~~
6 ***
7 ***
8 ***

'4444444444' transpose: C 1 reverb:0 alg:3 fdbk:7

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	31	0	15	0	0	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	1	rat	2	2.00	0	+1
1	10	31	15	0	3	off	99	0	0	0	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 2	br egb: 0	porta time:	18
delay:	0	breath:	0	0			bend range:	12
sync:	off	foot:	0	0			foot volum:	99

'Clear Clav' transpose: C 3 reverb:0 alg:3 fdbk:7

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	30	28	12	5	0	off	78	32	2	0	0	off	1	rat	0	0.50	0	+2
3	29	1	0	1	0	off	57	50	1	0	0	off	1	rat	6	10.38	0	+1
2	23	26	13	1	0	off	75	9	0	0	0	off	1	rat	0	0.50	0	+1
1	24	27	12	5	7	off	99	2	2	0	0	off	1	rat	2	2.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 0	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	50	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	5
sync:	off	foot:	0	0			foot volum:	99

(more)

VOICE 4 (continued)

'4zzzzzzzzz' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	detune
4	31	9	11	9	0	off	62	0	0	1	0	off	1	rat	1	1.00	0	-1
3	31	31	15	10	2	off	66	0	0	1	0	off	6	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	2	rat	2	2.00	0	+1
1	24	31	15	2	3	off	99	0	0	0	0	off	7	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 2	br egb: 0	porta time:	46
delay:	0	breath:	0	0			bend range:	12
sync:	on	foot:	0	0			foot volum:	99

'Harpsi Hi ' transpose: C 4 reverb:0 alg:5 fdbk:1

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	detune
4	29	17	13	0	0	off	91	0	3	0	0	off	1	rat	2	2.00	0	+1
3	23	8	12	6	6	off	87	0	2	0	0	off	1	rat	0	0.50	0	-2
2	29	14	13	0	0	off	91	0	3	0	0	off	1	rat	0	0.50	0	+1
1	23	8	12	6	6	off	89	0	2	0	0	off	1	rat	4	4.00	0	-1

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 0	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	0	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	0
sync:	off	foot:	0	0			foot volum:	99

VOICE 5

name:#5-poly4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	2	2	1	2	1	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	22	10	23	24	6	6	7	8
channel	2	2	2	2	1	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	II	II	I	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

INSTRUMENTS
1 bass222222
2 4xxxxxxxxx
3 4vvvvvvvvv
4 5zzzzzzzzz
~~5 Click 1~~
6 ***
7 ***
8 ***

'bass222222' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	31	1	4	0	8	off	62	0	3	3	0	off	1	rat	3	3.00	0	+3
3	31	9	12	6	8	off	69	27	3	7	0	off	1	rat	9	9.00	0	+3
2	31	1	0	0	8	off	82	0	2	0	0	off	1	rat	0	0.50	0	-3
1	31	9	9	0	9	off	99	0	0	1	0	off	1	rat	1	1.00	0	+0

LFO
wave: TRIANGL
speed: 28
delay: 0
sync: off

pitch_ampl_sensitivity
direct: 0 0
wheel: 75 0
breath: 0 0
foot: 0 0
pitch: 5
ampl: 0

|bias mod
|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FNGR
|porta time: 0
|bend range: 4
|foot volum: 99

'4xxxxxxxxx' transpose: C 5 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	31	9	11	8	0	off	77	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	14	2	off	98	0	0	0	0	off	6	rat	1	1.00	0	+0
2	15	31	15	3	2	off	63	0	0	0	0	off	2	rat	2	2.00	0	+1
1	24	31	15	7	3	off	99	0	0	0	0	off	7	rat	1	1.00	0	+0

LFO
wave: TRIANGL
speed: 11
delay: 0
sync: on

pitch_ampl_sensitivity
direct: 0 32
wheel: 50 0
breath: 0 0
foot: 0 0
pitch: 6
ampl: 2

|bias mod
|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FULL
|porta time: 53
|bend range: 12
|foot volum: 99

(more)

(VOICE 5 - continued)

'4vvvvvvvvv' transpose: C 3 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de-tune
4	31	0	15	0	0	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	31	31	15	0	2	off	63	0	0	0	0	off	6	rat	2	2.00	0	+1
1	31	31	15	0	3	off	99	0	0	0	0	off	3	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	99	wheel:	50	0	ampl: 2	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	12
sync:	off	foot:	0	0			foot volum:	99

'5zzzzzzzzz' transpose: C 3 reverb:0 alg:3 fdbk:6

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de-tune
4	31	0	15	1	0	off	87	41	3	0	0	off	1	rat	0	0.50	0	+0
3	22	0	13	5	0	off	96	0	2	7	0	off	1	rat	8	8.00	0	+0
2	31	1	15	3	0	off	90	43	0	7	0	off	1	rat	1	1.00	0	+0
1	31	2	15	0	2	off	89	0	3	0	0	off	1	rat	4	4.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	SAW UP	direct:	0	0	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	0	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	0
sync:	off	foot:	0	0			foot volum:	99

VOICE 1

Yamaha TX81Z

name:#1__POLY4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	3	4	1	0	0	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	1	26	6	26	5	6	7	8
channel	3	3	1	3	5	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	I	I+II	I+II	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

	INSTRUMENTS
1	1a1a1a1a1a
2	1zzzzzzzzz
3	~~Click 1~~
4	***
5	***
6	***
7	***
8	***

'1a1a1a1a1a' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de- tune
4	31	0	15	0	0	off	62	0	0	0	0	off	3	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	1	rat	2	2.00	0	+1
1	10	31	15	0	3	off	99	0	0	0	0	off	6	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0 32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50 0	ampl: 2	br egb: 0	porta time:	99
delay:	0	breath:	0 0			bend range:	12
sync:	off	foot:	0 0			foot volum:	99

'1zzzzzzzzz' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de- tune
4	31	0	13	1	4	off	69	16	3	0	0	off	1	rat	1	1.00	0	+0
3	11	15	0	0	15	off	79	99	3	3	0	off	1	rat	10	10.00	0	+0
2	11	27	9	26	15	off	49	98	3	2	0	off	1	rat	1	1.00	0	+0
1	31	31	15	2	5	off	99	22	2	0	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	SAW UP	direct:	0 0	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50 0	ampl: 3	br egb: 0	porta time:	0
delay:	0	breath:	50 0			bend range:	2
sync:	off	foot:	0 0			foot volum:	99

VOICE 2

name:#2-poly4

assign mode:normal

micro tune table:octave

key:**

effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	4	3	1	0	0	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	22	21	6	6	5	6	7	8
channel	2	2	1	4	5	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	I	I+II	I+II	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

INSTRUMENTS

1 bass222222
2 2b2b2b2b2b
3 ~~Click 1~~
4 ***
5 ***
6 ***
7 ***
8 ***

'bass222222' transpose: C 2 reverb:0 alg:3 fdbk:7

	envelope						scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	31	1	4	0	8	off	62	0	3	3	0	off	1	rat	3	3.00	0	+3
3	31	9	12	6	8	off	69	27	3	7	0	off	1	rat	9	9.00	0	+3
2	31	1	0	0	8	off	82	0	2	0	0	off	1	rat	0	0.50	0	-3
1	31	9	9	0	9	off	99	0	0	1	0	off	1	rat	1	1.00	0	+0

LFO

wave: TRIANGL
speed: 28
delay: 0
sync: off

pitch_ampl_sensitivity

	direct:	0	0
	wheel:	75	0
	breath:	0	0
	foot:	0	0

pitch: 5
ampl: 0

|bias mod

|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FNGR
|porta time: 0
|bend range: 4
|foot volum: 99

'2b2b2b2b2b' transpose: C 2 reverb:4 alg:3 fdbk:7

	envelope						scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	14	16	15	10	4	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	15	19	15	13	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	21	31	15	12	2	off	63	0	0	0	0	off	3	rat	2	2.00	0	+1
1	31	31	15	9	3	off	99	0	0	0	0	off	5	rat	1	1.00	0	+0

LFO

wave: TRIANGL
speed: 11
delay: 0
sync: off

pitch_ampl_sensitivity

	direct:	0	32
	wheel:	50	0
	breath:	0	0
	foot:	0	0

pitch: 6
ampl: 2

|bias mod

|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FULL
|porta time: 95
|bend range: 12
|foot volum: 99

VOICE 3

name:#3-poly4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	1	2	2	2	1	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	2	27	18	12	6	1	1	1
channel	2	2	2	2	1	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	II	II	I	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

	INSTRUMENTS
1	2a2a2a2a2a
2	Clear Clav
3	4-improved
4	Pizzicato
5	~~Click 1~~
6	***
7	***
8	***

'2a2a2a2a2a' transpose: C 2 reverb:0 alg:1 fdbk:1

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	31	22	15	0	0	off	62	0	0	0	0	off	3	rat	1	1.00	0	-1
3	16	31	15	0	2	off	66	0	0	0	0	off	3	rat	1	1.00	0	+0
2	15	31	14	0	2	off	70	0	0	0	0	off	3	rat	2	2.00	0	+1
1	16	31	15	0	3	off	99	0	0	0	0	off	6	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	SAW UP	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 3	br egb: 0	porta time:	50
delay:	0	breath:	0	0			bend range:	4
sync:	on	foot:	0	0			foot volum:	99

'Clear Clav' transpose: C 3 reverb:0 alg:3 fdbk:7

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	30	28	12	5	0	off	78	32	2	0	0	off	1	rat	0	0.50	0	+2
3	29	1	0	1	0	off	57	50	1	0	0	off	1	rat	6	10.38	0	+1
2	23	26	13	1	0	off	75	9	0	0	0	off	1	rat	0	0.50	0	+1
1	24	27	12	5	7	off	99	2	2	0	0	off	1	rat	2	2.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 0	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	50	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	5
sync:	off	foot:	0	0			foot volum:	99

(more)

VOICE 3 (continued)

'4444444444' transpose: C 1 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	31	0	15	0	0	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	1	rat	2	2.00	0	+1
1	10	31	15	0	3	off	99	0	0	0	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod		keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+	0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 2	br egb:	0	porta time:	18
delay:	0	breath:	0	0				bend range:	12
sync:	off	foot:	0	0				foot volum:	99

'Pizzicato ' transpose: C 3 reverb:6 alg:2 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	27	24	10	21	15	off	97	0	0	1	0	off	1	rat	1	1.00	0	+0
3	31	13	0	0	8	off	91	0	0	1	0	off	4	rat	1	1.00	0	+0
2	31	31	12	0	7	off	84	0	0	1	0	off	1	rat	1	1.00	0	+3
1	31	16	0	0	6	off	99	0	0	1	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod		keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 6	br pch:+	0	porta mode:	FULL
speed:	35	wheel:	50	0	ampl: 0	br egb:	0	porta time:	0
delay:	0	breath:	0	0				bend range:	4
sync:	off	foot:	0	0				foot volum:	99

VOICE 4

name:#4-poly4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	2	1	2	2	1	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	28	27	15	25	6	6	7	8
channel	2	2	2	2	1	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	II	II	I	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

INSTRUMENTS
1 4444444444
2 Clear Clav
3 4zzzzzzzzz
4 Harpsi Hi
~~5 Glick 1~~
6 ***
7 ***
8 ***

'4444444444' transpose: C 1 reverb:0 alg:3 fdbk:7

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	31	0	15	0	0	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	1	rat	2	2.00	0	+1
1	10	31	15	0	3	off	99	0	0	0	0	off	1	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 2	br egb: 0	porta time:	18
delay:	0	breath:	0	0			bend range:	12
sync:	off	foot:	0	0			foot volum:	99

'Clear Clav' transpose: C 3 reverb:0 alg:3 fdbk:7

	envelope							scale		sens.				tuning				
op	A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	lvl scl	rt scl	vel- cty	eg bi	amp mod	wave form	fix/ rat	rng/ mult	crs	fin	de-tune
4	30	28	12	5	0	off	78	32	2	0	0	off	1	rat	0	0.50	0	+2
3	29	1	0	1	0	off	57	50	1	0	0	off	1	rat	6	10.38	0	+1
2	23	26	13	1	0	off	75	9	0	0	0	off	1	rat	0	0.50	0	+1
1	24	27	12	5	7	off	99	2	2	0	0	off	1	rat	2	2.00	0	+0

LFO		pitch_ampl_sensitivity				bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 0	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	50	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	5
sync:	off	foot:	0	0			foot volum:	99

(more)

VOICE 4 (continued)

'4zzzzzzzzz' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	detune
4	31	9	11	9	0	off	62	0	0	1	0	off	1	rat	1	1.00	0	-1
3	31	31	15	10	2	off	66	0	0	1	0	off	6	rat	1	1.00	0	+0
2	15	31	15	0	2	off	63	0	0	0	0	off	2	rat	2	2.00	0	+1
1	24	31	15	2	3	off	99	0	0	0	0	off	7	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	11	wheel:	50	0	ampl: 2	br egb: 0	porta time:	46
delay:	0	breath:	0	0			bend range:	12
sync:	on	foot:	0	0			foot volum:	99

'Harpsi Hi ' transpose: C 4 reverb:0 alg:5 fdbk:1

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	detune
4	29	17	13	0	0	off	91	0	3	0	0	off	1	rat	2	2.00	0	+1
3	23	8	12	6	6	off	87	0	2	0	0	off	1	rat	0	0.50	0	-2
2	29	14	13	0	0	off	91	0	3	0	0	off	1	rat	0	0.50	0	+1
1	23	8	12	6	6	off	89	0	2	0	0	off	1	rat	4	4.00	0	-1

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	0	pitch: 0	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	0	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	0
sync:	off	foot:	0	0			foot volum:	99

VOICE 5

name:#5-poly4 assign mode:normal

micro tune table:octave key:** effect: off

Instrmnt	1	2	3	4	5	6	7	8
notes	2	2	1	2	1	0	0	0
bank no	I	I	I	I	I	I	I	I
voice no	22	10	23	24	6	6	7	8
channel	2	2	2	2	1	6	7	8
lo limit	C -2	C -2	C -2	C -2	C -2	C -2	C -2	C -2
hi limit	G 8	G 8	G 8	G 8	G 8	G 8	G 8	G 8
detune	+0	+0	+0	+0	+0	+0	+0	+0
shift	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0	+ 0
volume	99	99	99	99	99	99	99	99
out asgn	II	II	II	II	I	I+II	I+II	I+II
lfo slct	lfo1	lfo2	vib	vib	vib	vib	vib	vib
microtun	off	off	off	off	off	off	off	off

INSTRUMENTS
1 bass222222
2 4xxxxxxxxx
3 4vvvvvvvvv
4 5zzzzzzzzz
~~5 Click 1~~
6 ***
7 ***
8 ***

'bass222222' transpose: C 2 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	31	1	4	0	8	off	62	0	3	3	0	off	1	rat	3	3.00	0	+3
3	31	9	12	6	8	off	69	27	3	7	0	off	1	rat	9	9.00	0	+3
2	31	1	0	0	8	off	82	0	2	0	0	off	1	rat	0	0.50	0	-3
1	31	9	9	0	9	off	99	0	0	1	0	off	1	rat	1	1.00	0	+0

LFO
wave: TRIANGL
speed: 28
delay: 0
sync: off

pitch_ampl_sensitivity
direct: 0 0
wheel: 75 0
breath: 0 0
foot: 0 0
pitch: 5
ampl: 0

|bias mod
|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FNGR
|porta time: 0
|bend range: 4
|foot volum: 99

'4xxxxxxxxx' transpose: C 5 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel-cty	eg bi	amp mod	wave form	tuning fix/rat	rng/mult	crs	fin	detune
4	31	9	11	8	0	off	77	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	14	2	off	98	0	0	0	0	off	6	rat	1	1.00	0	+0
2	15	31	15	3	2	off	63	0	0	0	0	off	2	rat	2	2.00	0	+1
1	24	31	15	7	3	off	99	0	0	0	0	off	7	rat	1	1.00	0	+0

LFO
wave: TRIANGL
speed: 11
delay: 0
sync: on

pitch_ampl_sensitivity
direct: 0 32
wheel: 50 0
breath: 0 0
foot: 0 0
pitch: 6
ampl: 2

|bias mod
|br pch:+ 0
|br egb: 0

|keybd mode: POLY
|porta mode: FULL
|porta time: 53
|bend range: 12
|foot volum: 99

(more)

(VOICE 5 - continued)

'4vvvvvvvvv' transpose: C 3 reverb:0 alg:3 fdbk:7

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de-tune
4	31	0	15	0	0	off	62	0	0	0	0	off	1	rat	1	1.00	0	-1
3	31	31	15	0	2	off	66	0	0	0	0	off	1	rat	1	1.00	0	+0
2	31	31	15	0	2	off	63	0	0	0	0	off	6	rat	2	2.00	0	+1
1	31	31	15	0	3	off	99	0	0	0	0	off	3	rat	1	1.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	TRIANGL	direct:	0	32	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	99	wheel:	50	0	ampl: 2	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	12
sync:	off	foot:	0	0			foot volum:	99

'5zzzzzzzzz' transpose: C 3 reverb:0 alg:3 fdbk:6

op	envelope A R	D1 R	D1 L	D2 R	R R	sh ft	out lev	scale lvl scl	rt scl	sens. vel- cty	eg bi	amp mod	wave form	tuning fix/ rat	rng/ mult	crs	fin	de-tune
4	31	0	15	1	0	off	87	41	3	0	0	off	1	rat	0	0.50	0	+0
3	22	0	13	5	0	off	96	0	2	7	0	off	1	rat	8	8.00	0	+0
2	31	1	15	3	0	off	90	43	0	7	0	off	1	rat	1	1.00	0	+0
1	31	2	15	0	2	off	89	0	3	0	0	off	1	rat	4	4.00	0	+0

LFO		pitch_ampl_sensitivity			bias mod	keybd mode:	POLY
wave:	SAW UP	direct:	0	0	pitch: 6	br pch:+ 0	porta mode:	FULL
speed:	35	wheel:	50	0	ampl: 0	br egb: 0	porta time:	0
delay:	0	breath:	0	0			bend range:	0
sync:	off	foot:	0	0			foot volum:	99

Score is available from Frog Peak Music

http://frogpeak.org/

For performance questions please contact the composer

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