Score

DAVE HOLLINDEN

LOCOMOTION

Duration: 27 minutes

Percussion Quartet

Instrumentation

Skillets: nine graduated cast iron skillets. Other pots or metal objects may be included if necessary.

Flower Pots: nine graduated ceramic flower pots. Consider pots up to 18 inches in diameter.

Boos**:** nine graduated wooden tongue drums. See below for information on construction.

Drums**:** nine graduated drums, damped so as to match the other instruments in volume and resonance.

- An instrument other than the one notated may be used for the first part of *Sleep Walk*.
- Information on flower pot pitch, size, mounting, etc. is available at www.davehollinden.com.

Mallets: Each player will need all of the mallets listed below. For each type of mallet, make adjustments as necessary so that the weight, articulation and overall texture of the sound is matched for all players.

snare drum sticks
light dowels (1/4 inch)
medium dowels (5/8 inch)
heavy dowels (1 inch)
hard rubber mallets
medium rubber mallets
soft rubber mallets
medium hard cord mallets
medium yarn mallets
chopsticks (pointed)
hard superball mallets (e.g., superballs on chopsticks)
soft superball mallets (e.g., superballs on chopsticks)
cork mallets (e.g., wine bottle corks on chopsticks)
pūʻili (split bamboo sticks used in hula dance)

Boo Construction

See *Musical Instrument Design: Practical Information for Instrument Making* by Bart Hopkin for information on the construction of boos. Quoting Hopkin, "Boos are an important variation on tongue drums. Harry Partch gave the name *boos* to a set of vibrating tongue instruments he made of bamboo; I am taking the liberty here of expanding the term to include a host of similar instruments made from other materials."

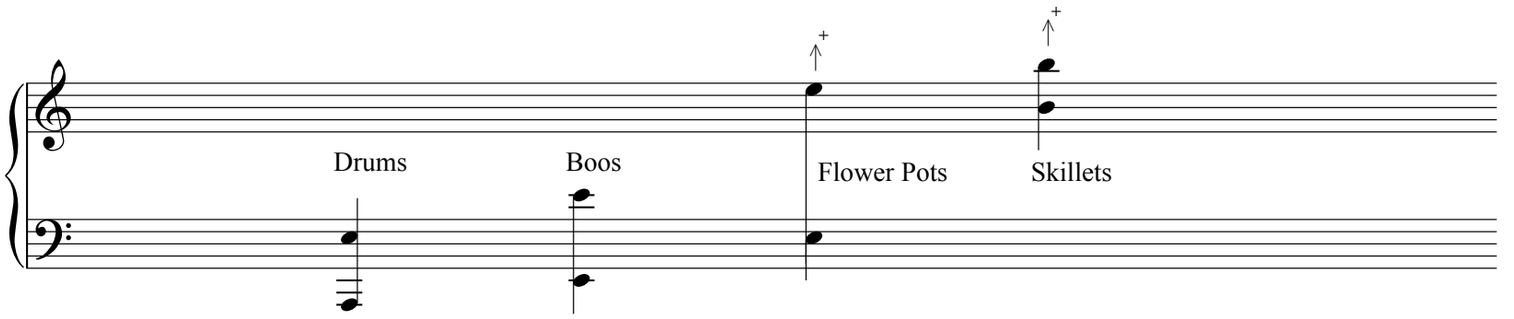
Construct the boos in the form of rectangular wooden boxes that are closed at one end and open at the other, and with a tongue cut in the open end. The following example illustrates the procedure.

- Use any 1" x 6" lumber for the sides and back.
- Use any 1" x 8" lumber for the bottom and 1" x 8" hardwood for the top.
- Lengths ranging from 38" to 8" will result in pitches from approximately E2 to E4.
- Fasten the pieces into a box. Caulk all joints to ensure there are no air leaks.
- The cavity of the box will have a resonant frequency. You can hear this pitch by tapping the closed end on a hard surface or singing into the open end and noting which pitch is reinforced.
- Measure a 4" wide tongue on the top at the open end. Mark a length that varies from approximately 1/3 the length of the box on the longest drum to 1/2 the length on the shortest.
- Begin cutting the tongue, stopping at approximately half the measured length. Check the pitch of the tongue with a mallet. It should be significantly higher than the pitch of the box.
- Cut the tongue further in increments, checking the pitch after each cut. The pitch of the tongue will become lower as it gets longer. The pitch of the box may rise as you cut further, so check it as well. Cut in smaller increments as the pitch of the tongue gets near the pitch of the box.
- Carefully continue cutting, stopping while the pitch of the tongue is still slightly higher than the pitch of the box. The resonance of the box should now reinforce the pitch of the tongue and provide sustain.
- Note that as the pitch of the tongue gets close to the pitch of the box it is easy to misjudge which pitch is which and cut too far. Consider stopping while you are sure the pitch of the tongue is still higher than the box. You can fine tune each drum later as you gain experience.

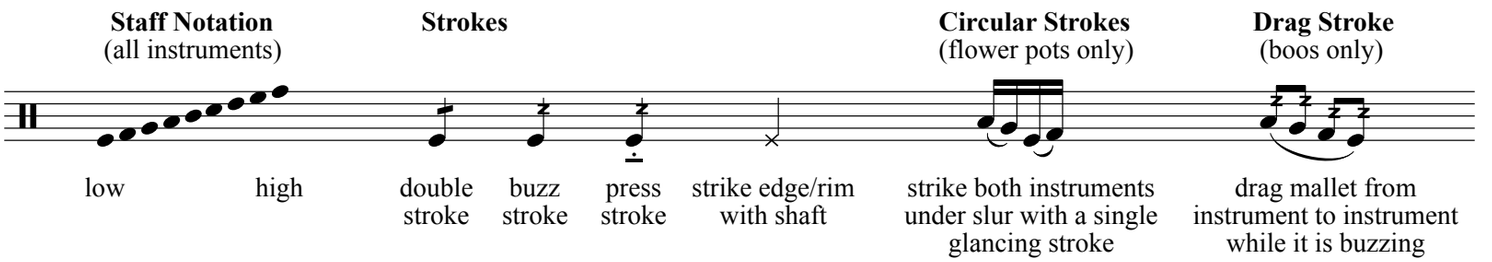
More information on boos is available at www.davehollinden.com.

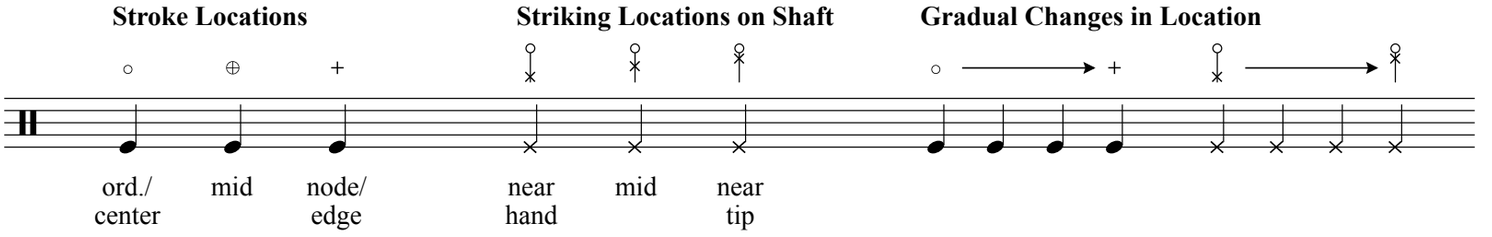
Instrument Ranges

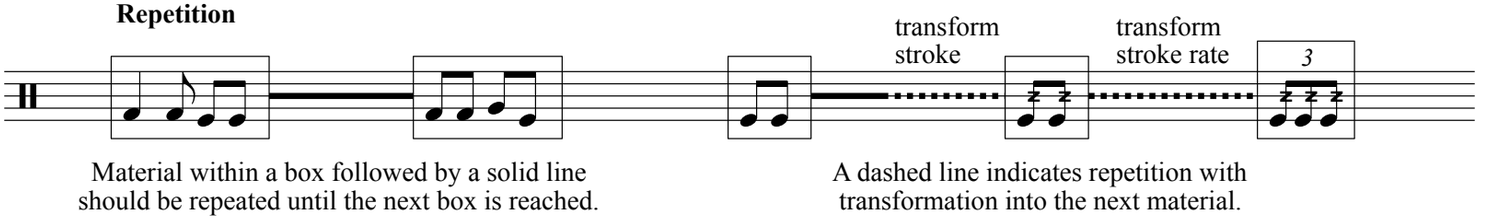
(approximate)



Notation







Material within a box followed by a solid line should be repeated until the next box is reached.

A dashed line indicates repetition with transformation into the next material.

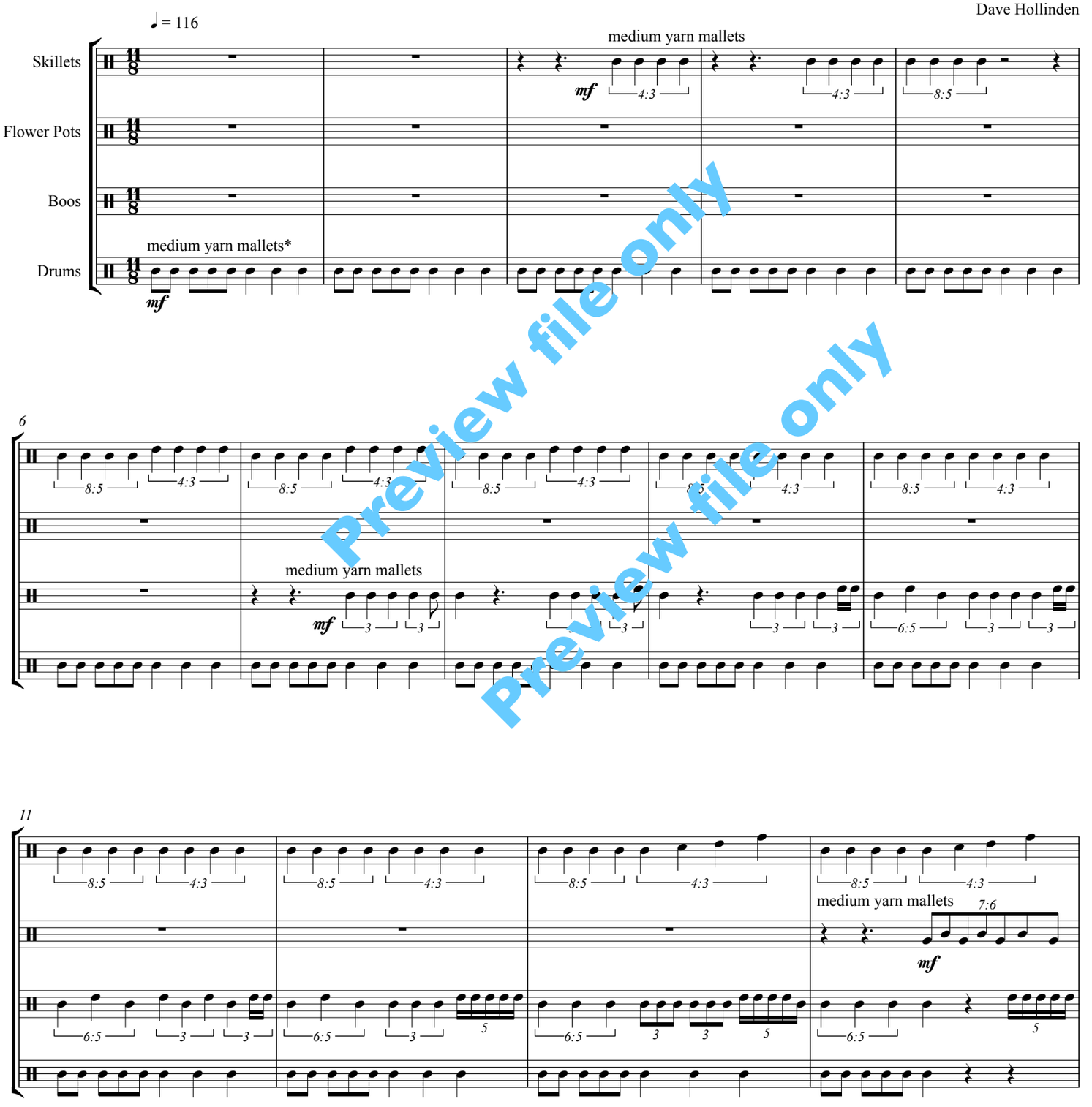
Duration: approx. 27 minutes

Commissioned by
Listen! Percussion Group (Jon Brown, Paul Owen, Joshua Graham, Darren Lin) and
Ad Astra Percussion (Von Hansen, Luke Dull, Tai-Jung Tsai, Mai Tadokoro)

Locomotion

Procession

Dave Hollinden



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*Damp the drums so as to match the other instruments in volume and resonance.

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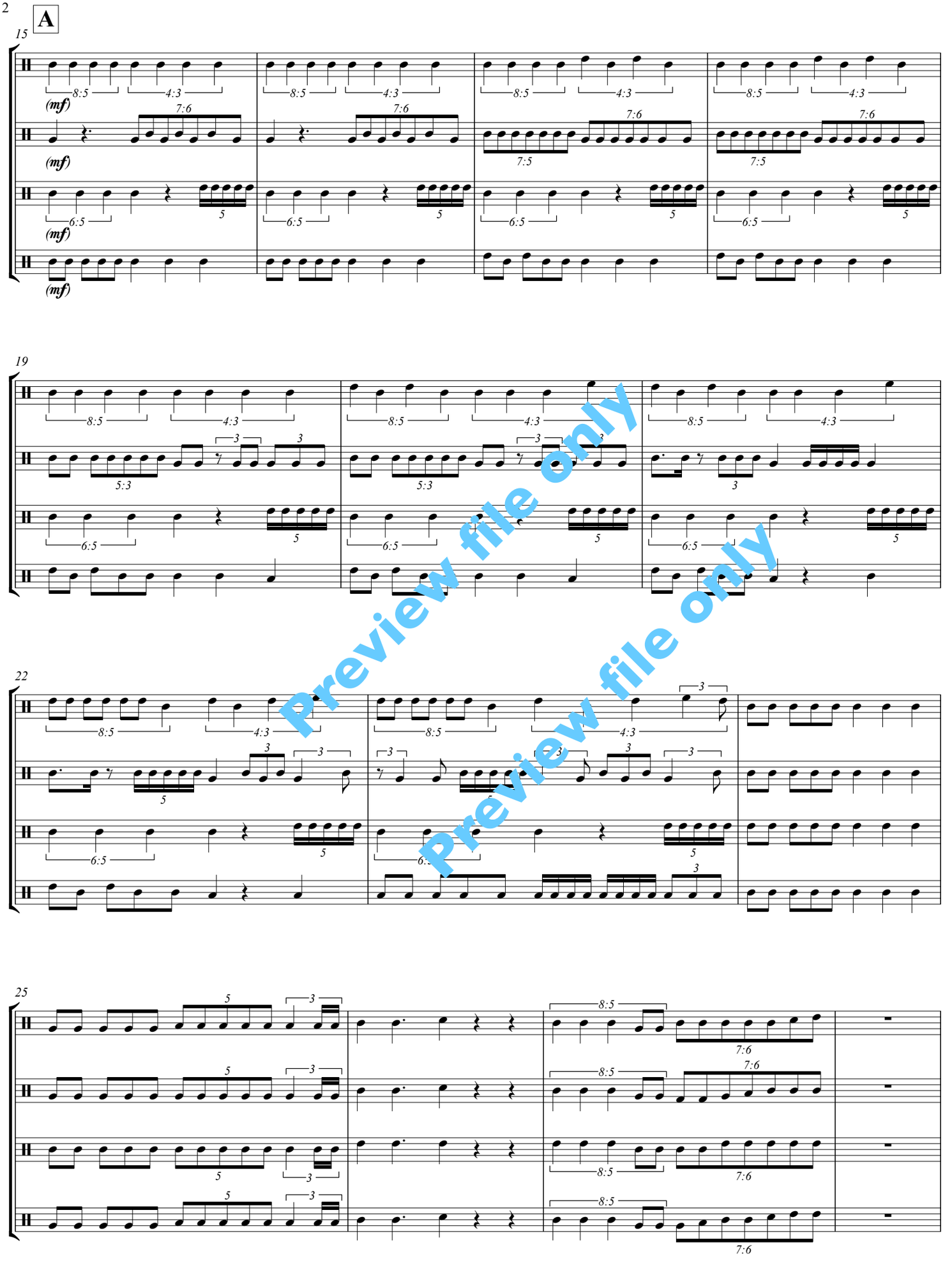
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(mf)
8:5
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7:5
6:5
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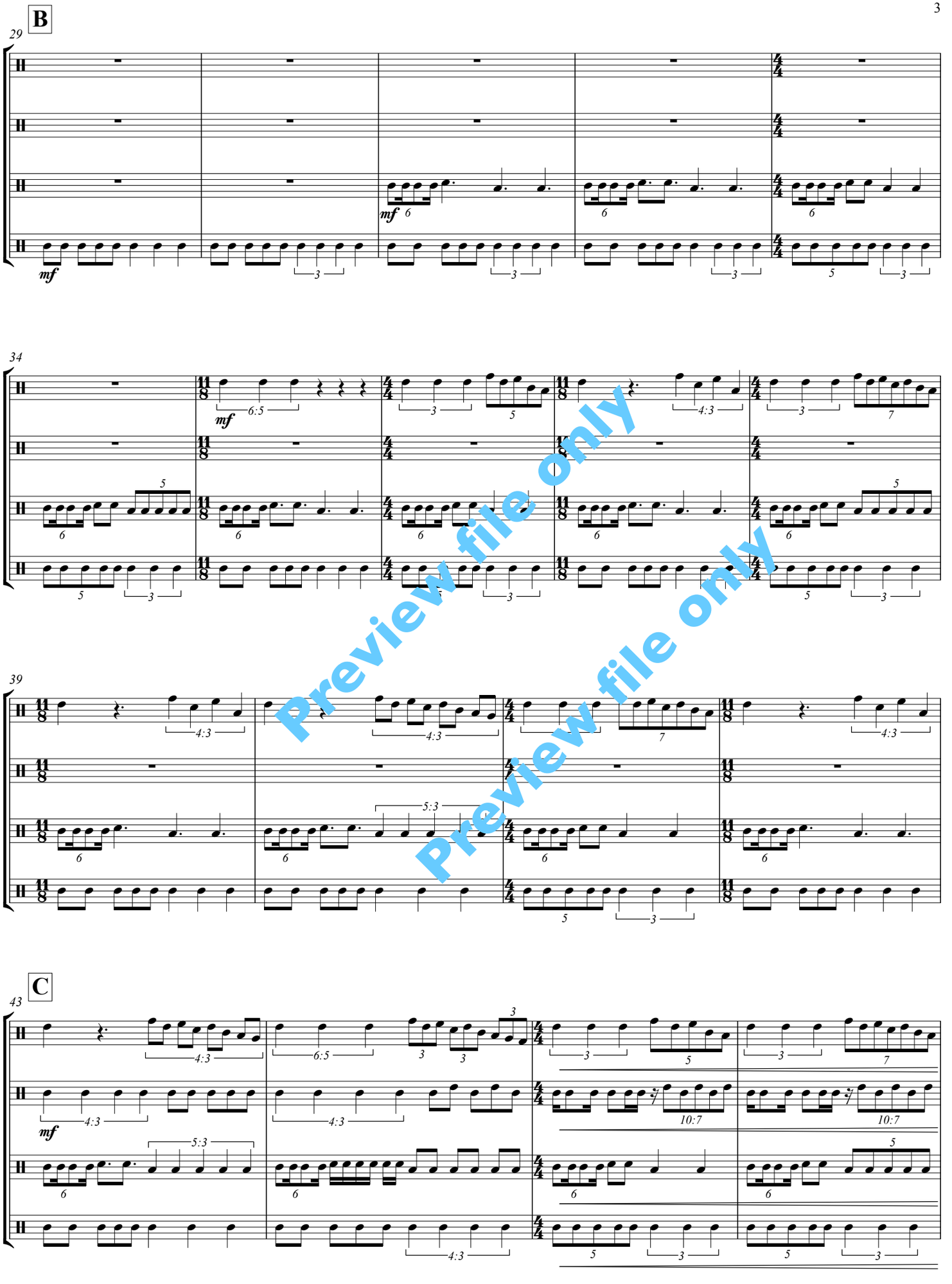

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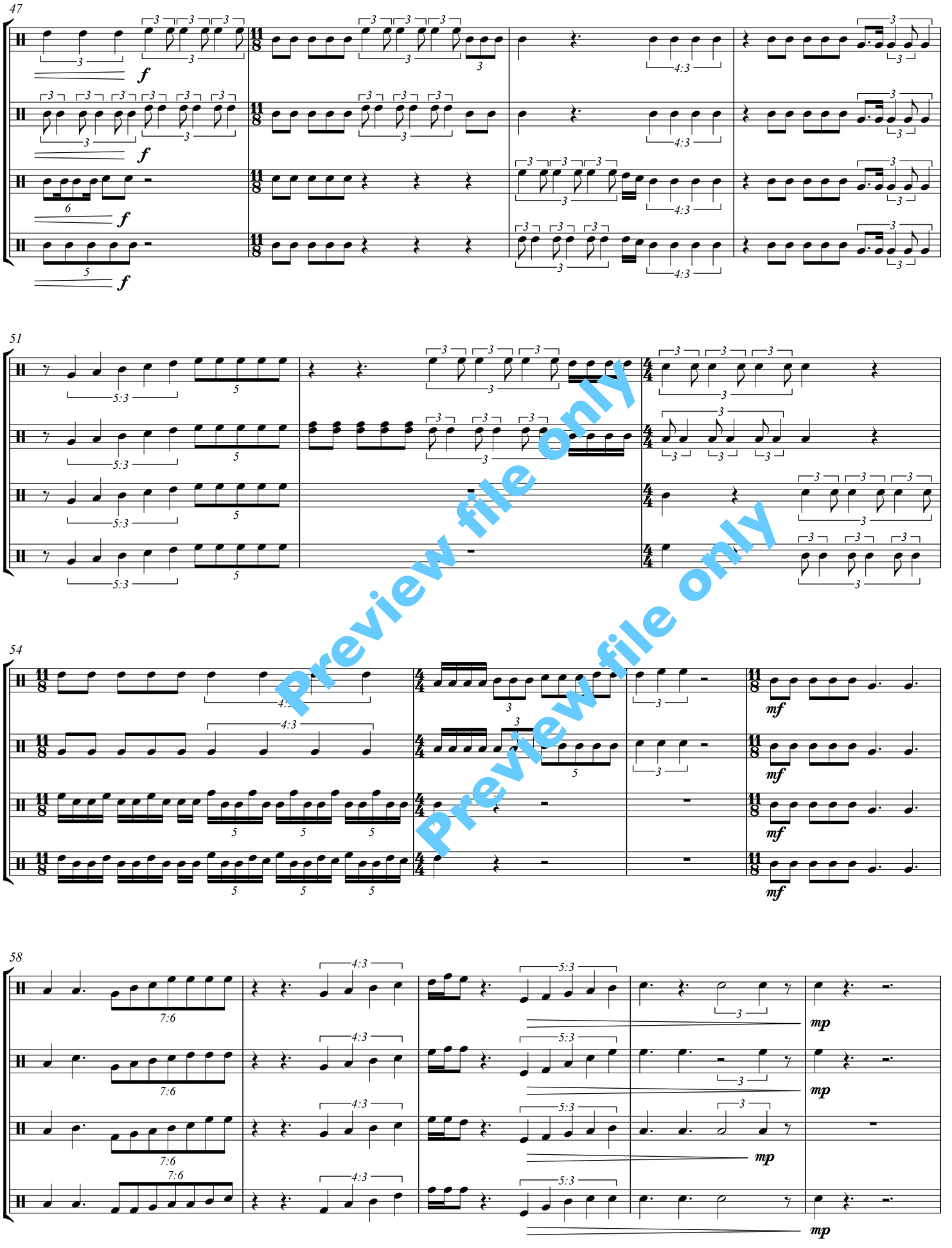
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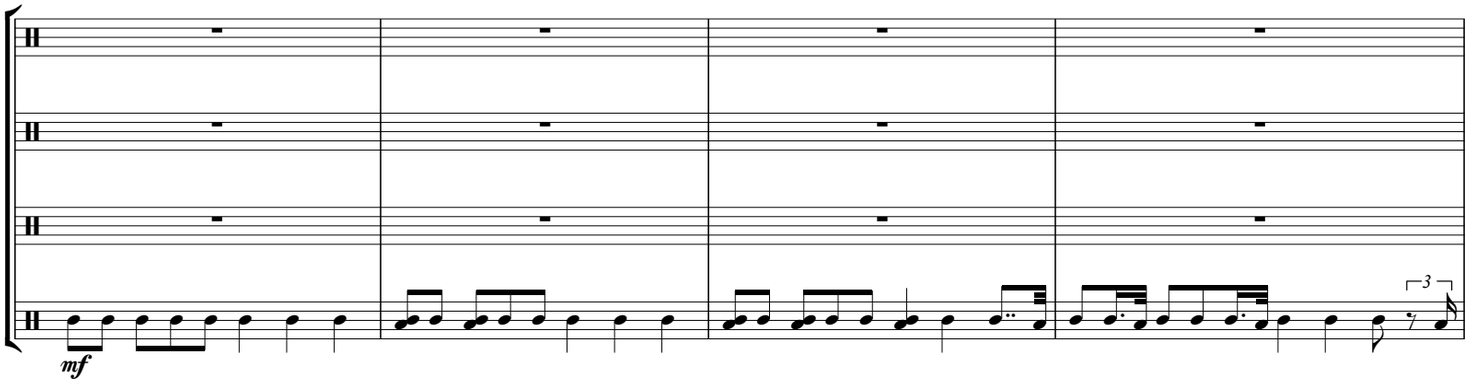

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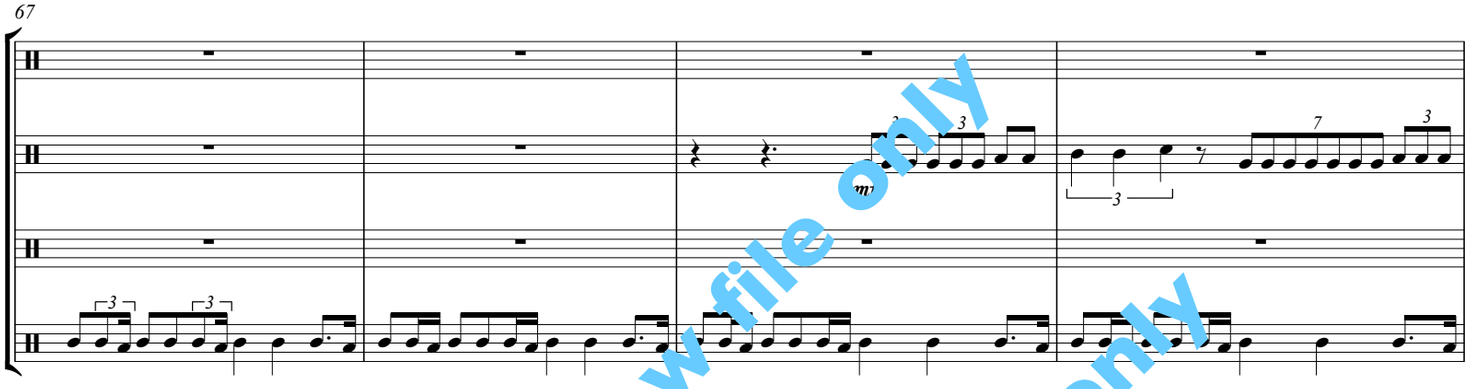

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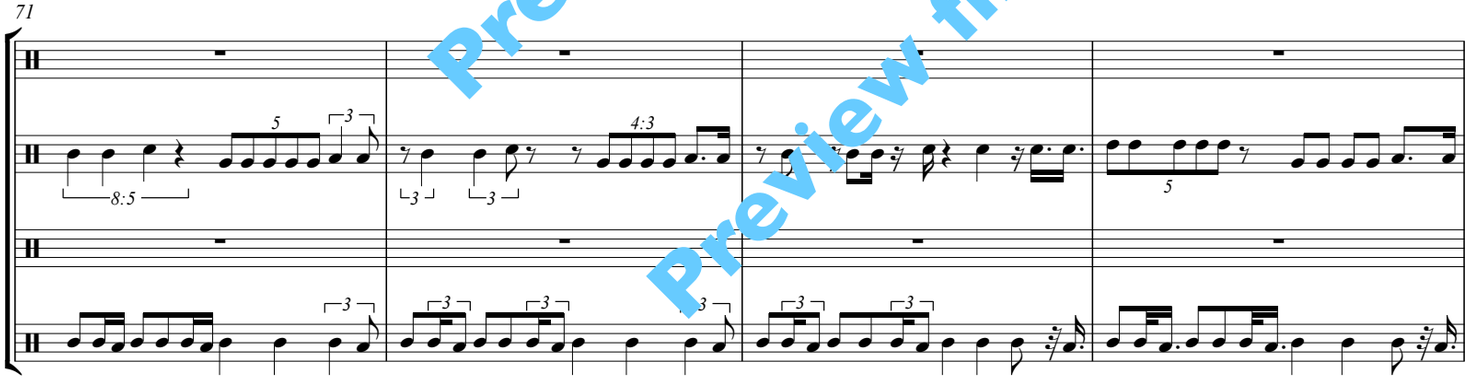

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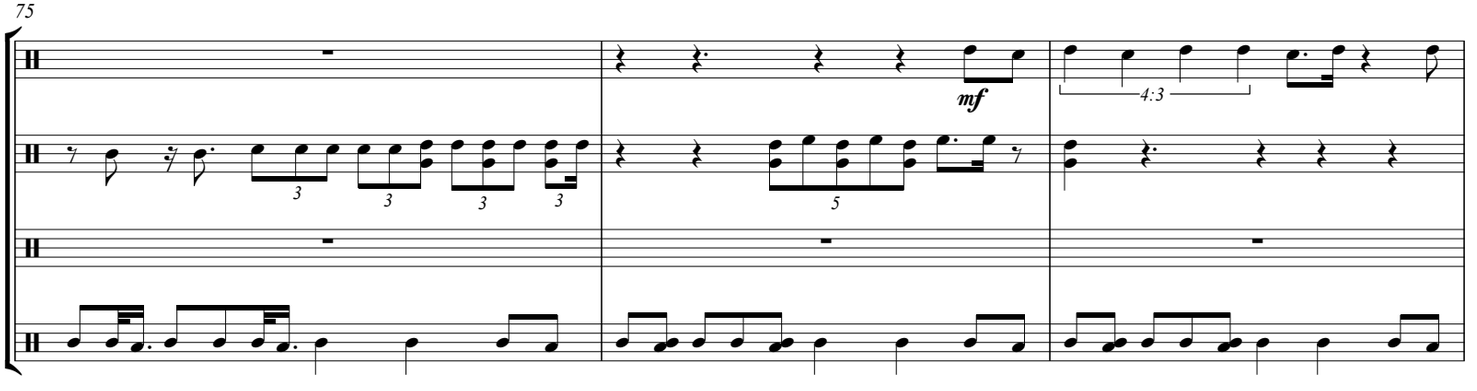

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E

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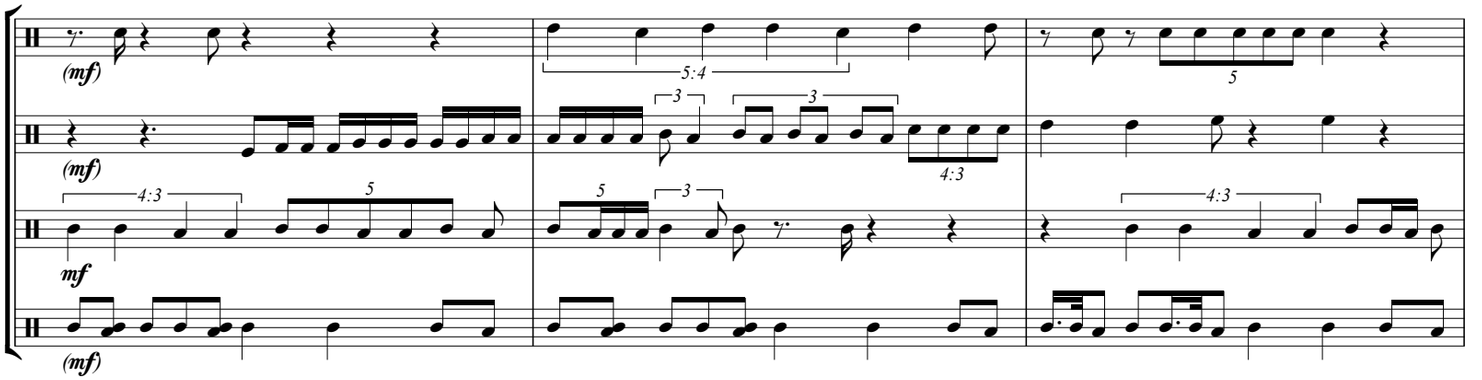

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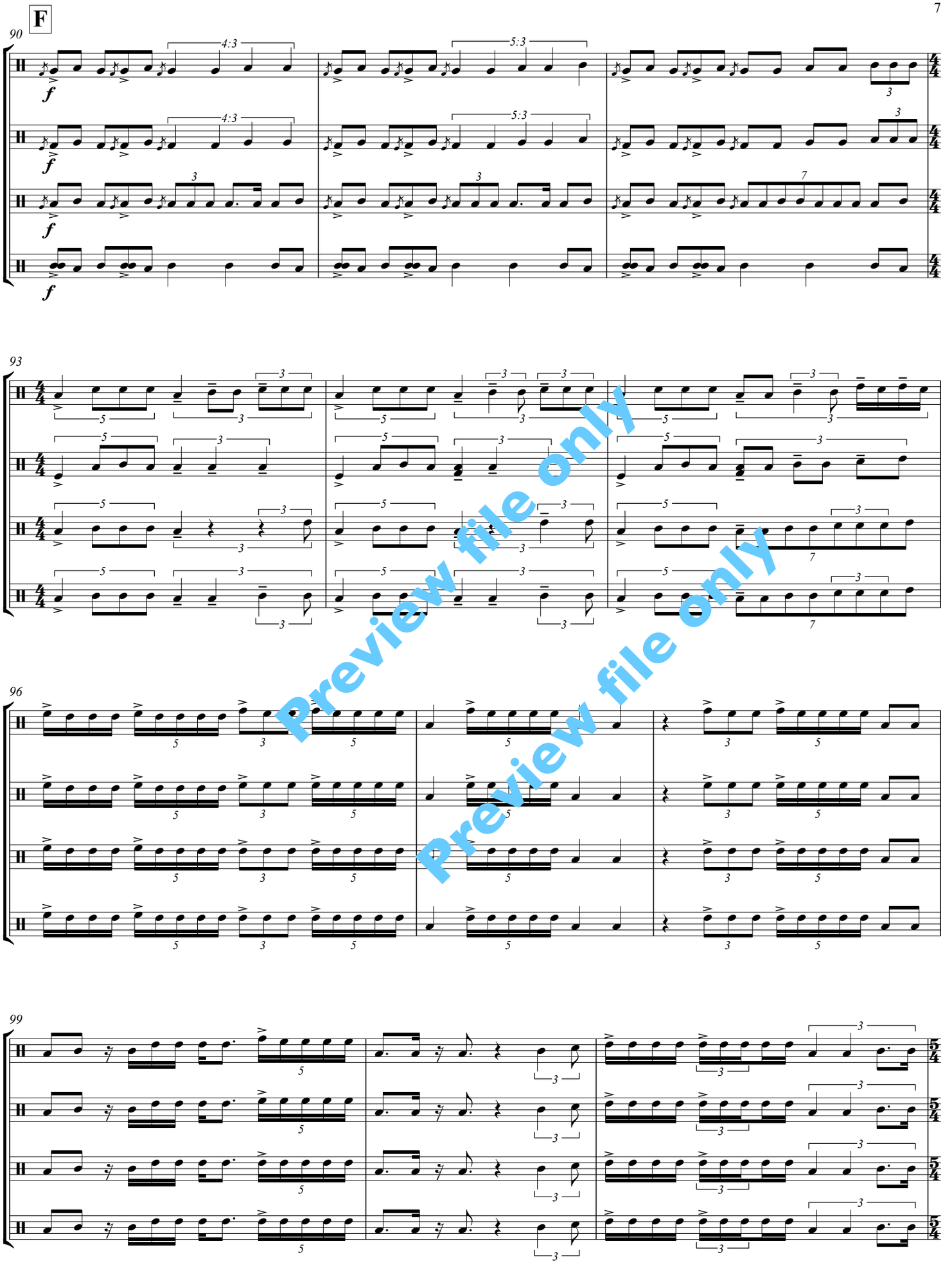
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G

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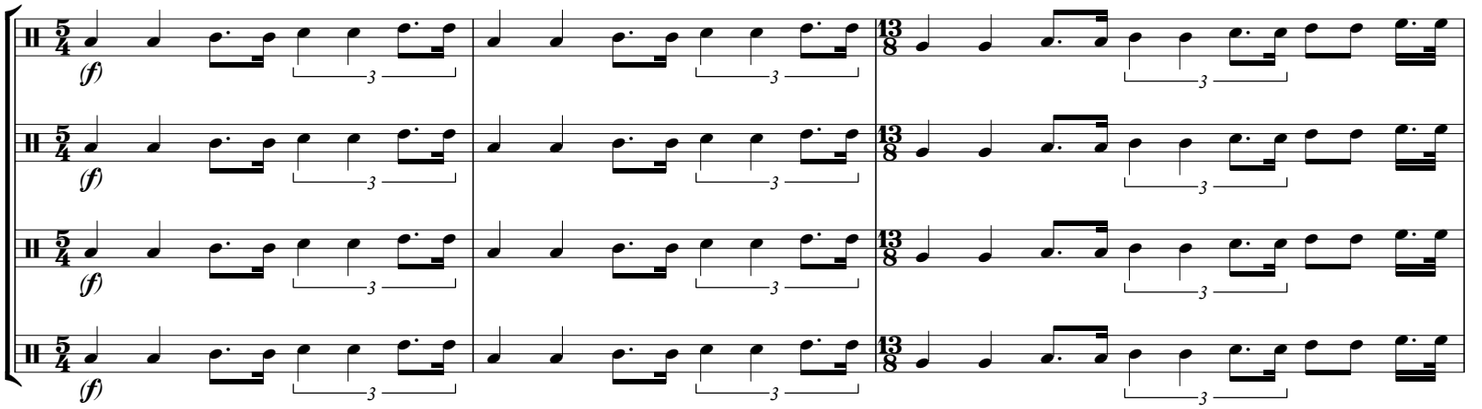

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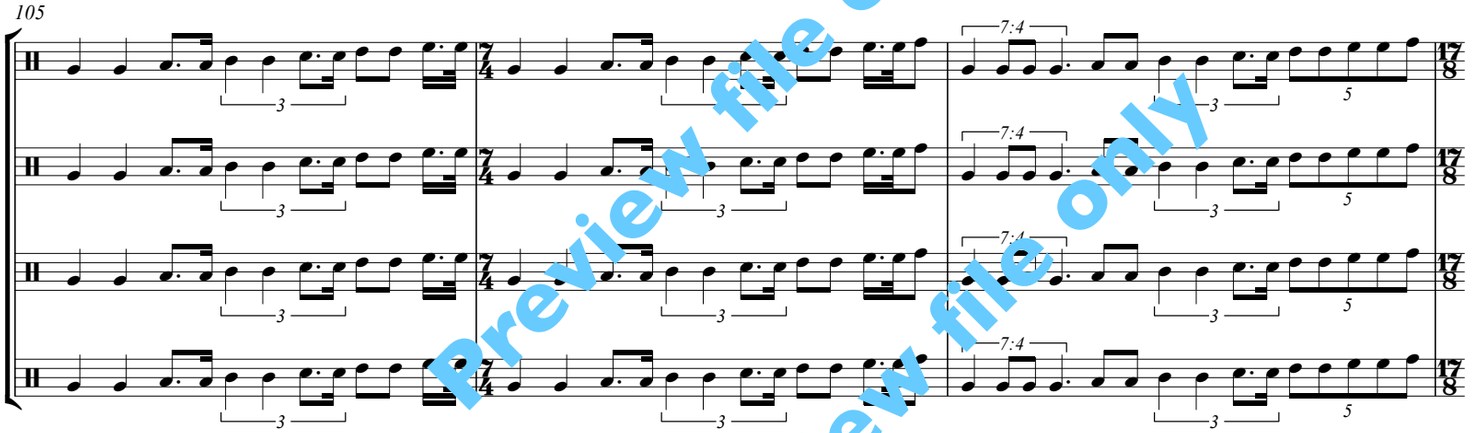

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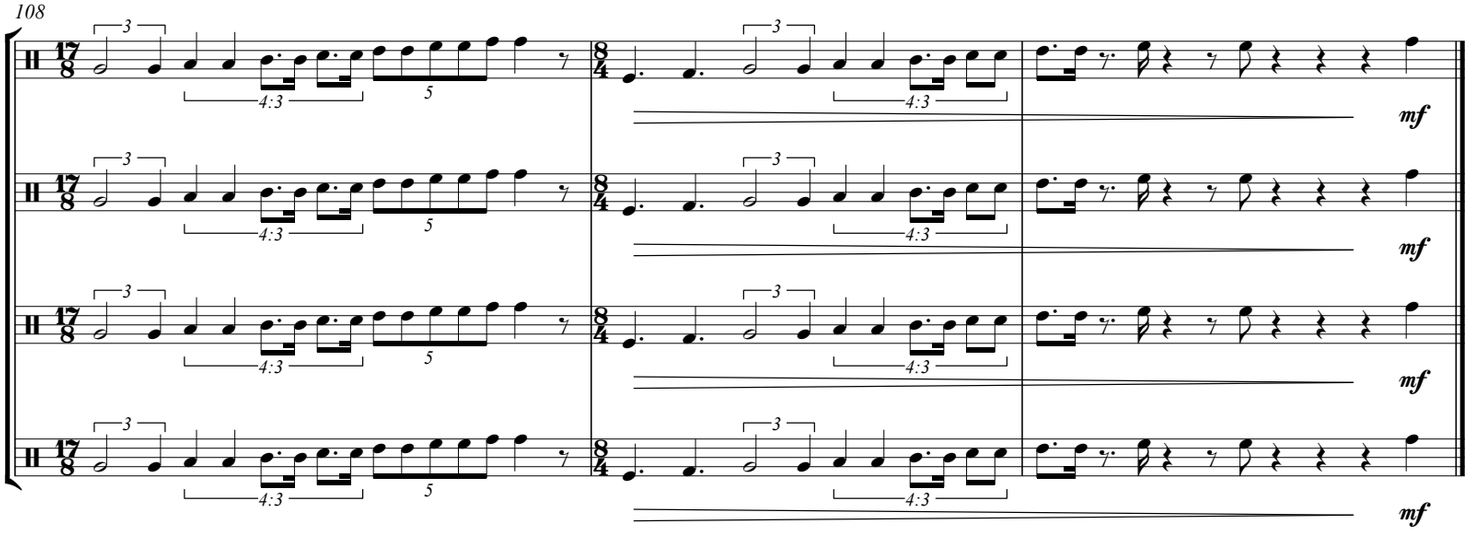
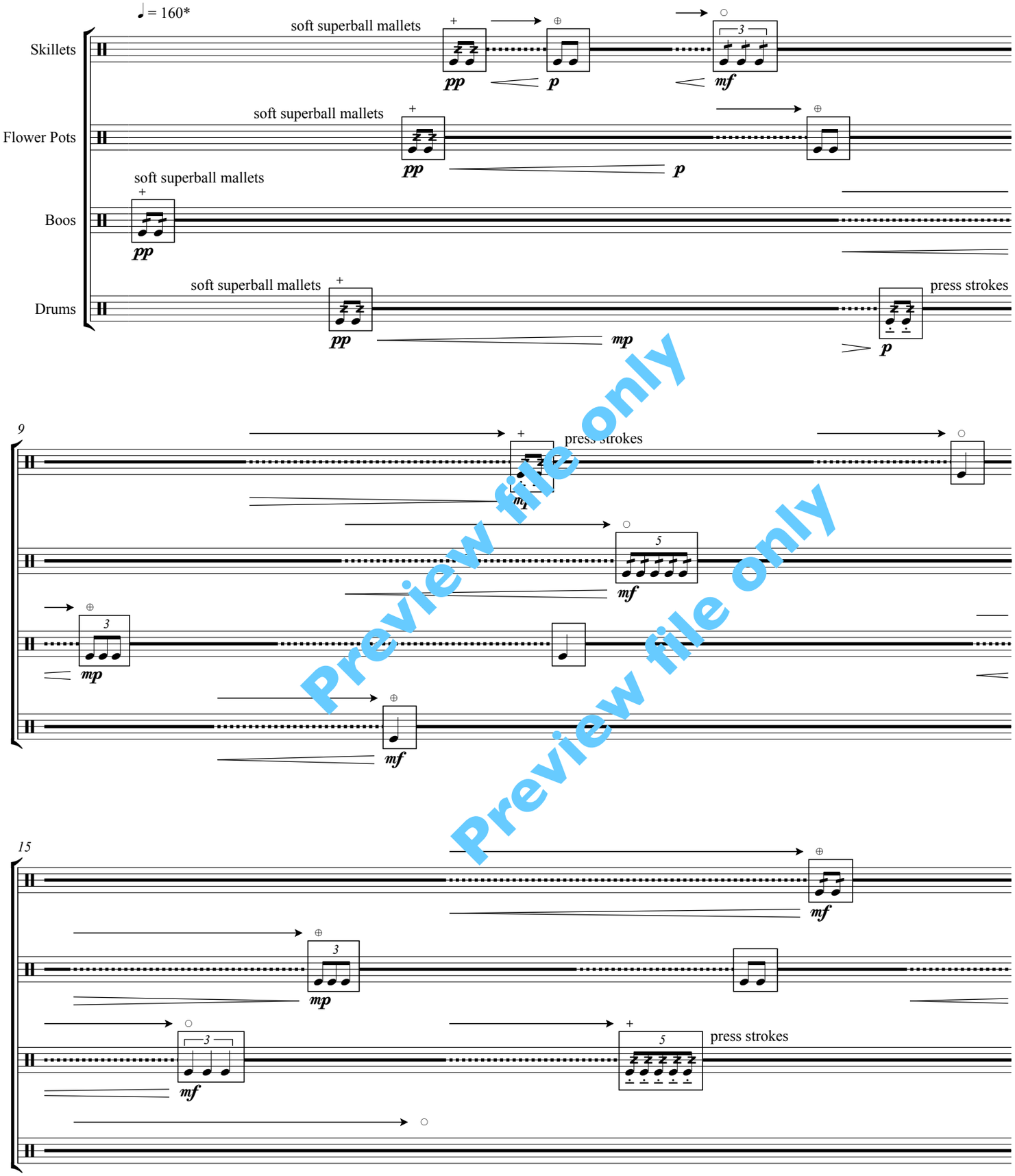


Sleep Walk



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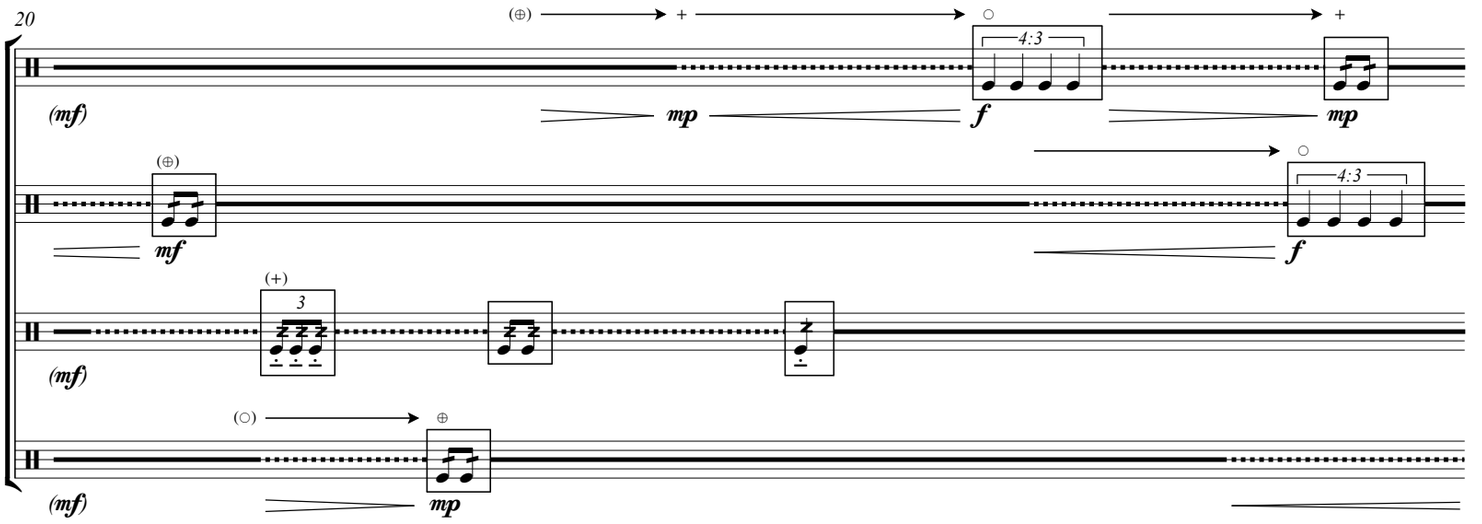
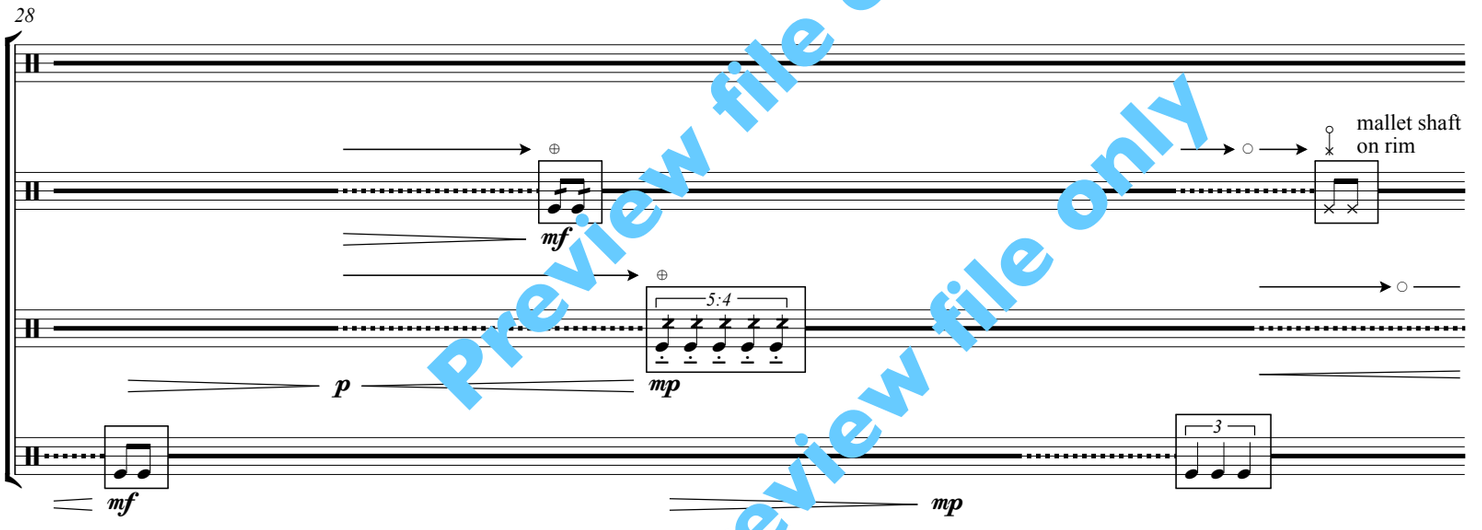
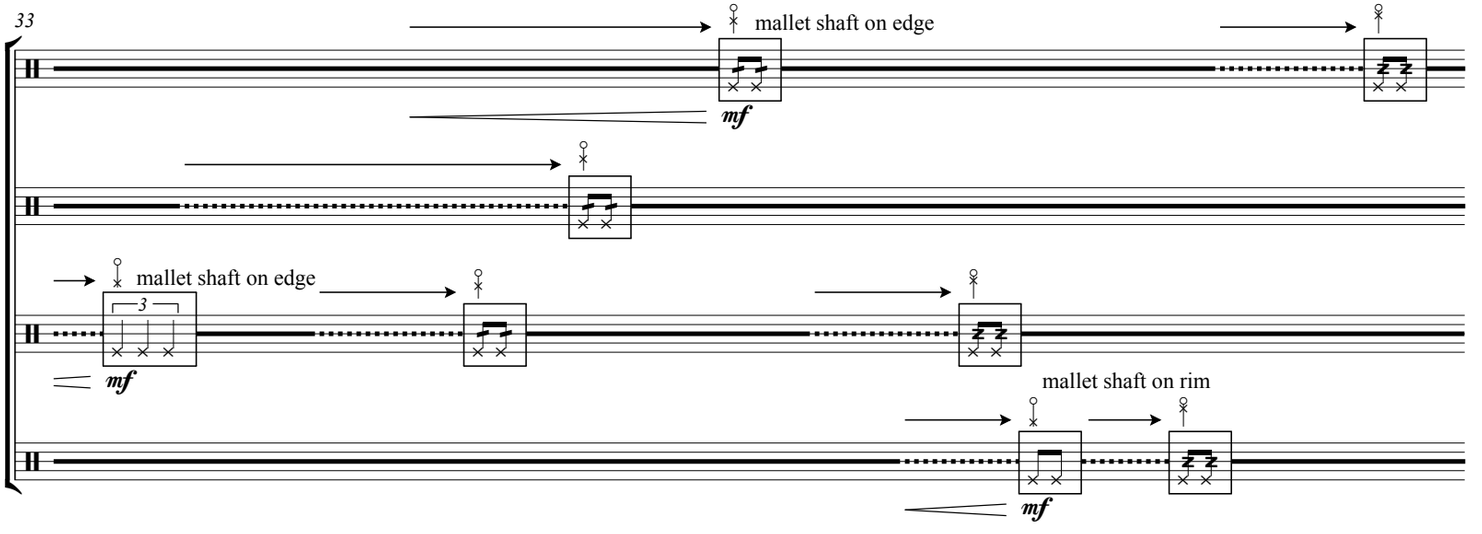
* Each system should last for approximately 20 seconds on average.
The boxes are arranged spatially, though your pace through the music need not be constant and vertically aligned materials need not coincide precisely.
Material within a box should be performed at the indicated metronome mark. All performers should share the same quarter note pulse.
Material within a box followed by a solid line should be repeated until the next box is reached. A dashed line indicates repetition with transformation into the next material.







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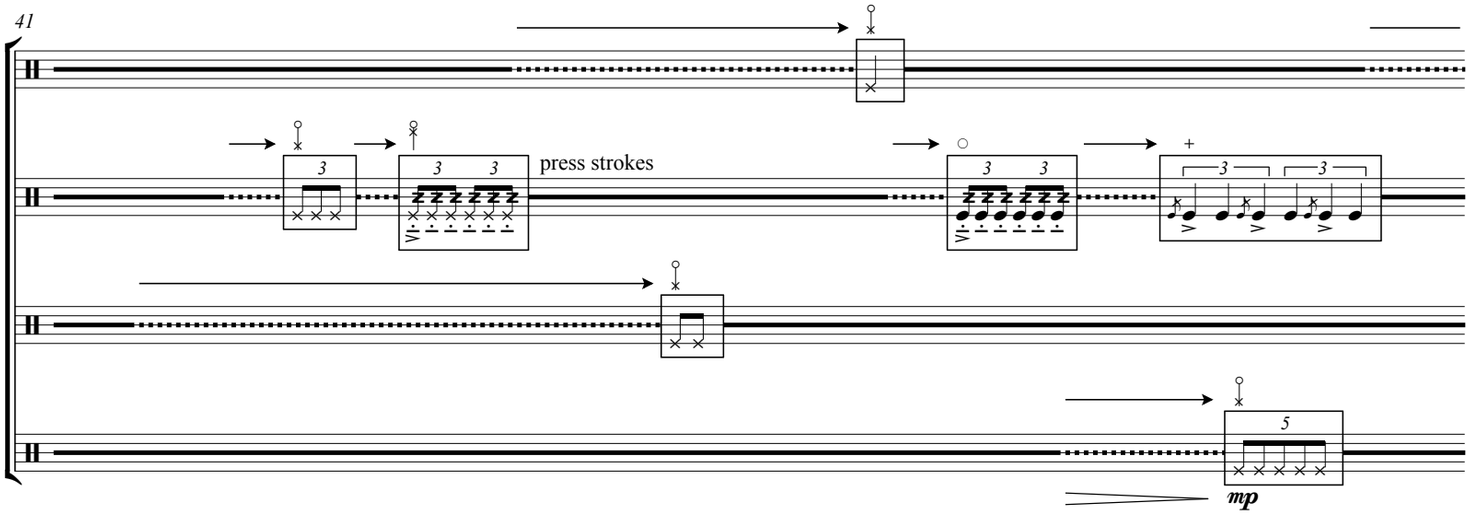

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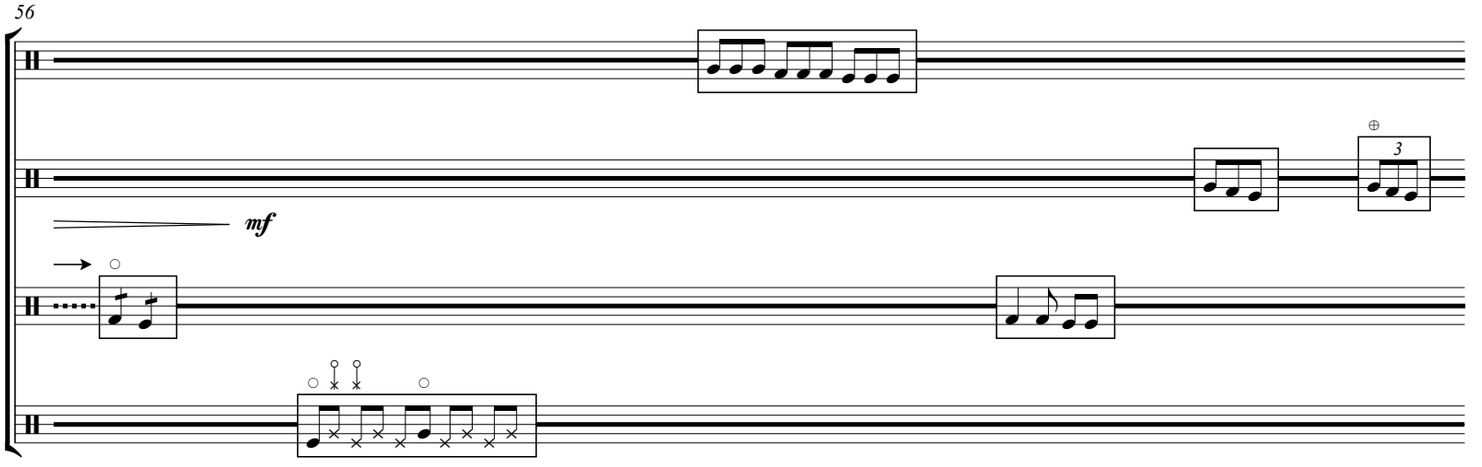

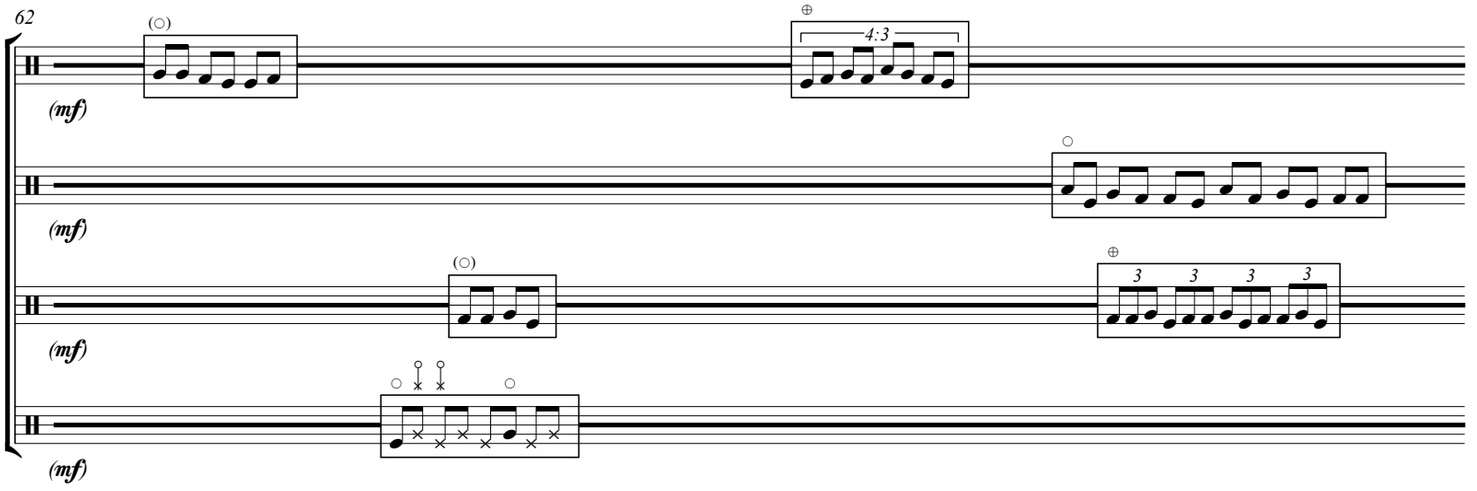

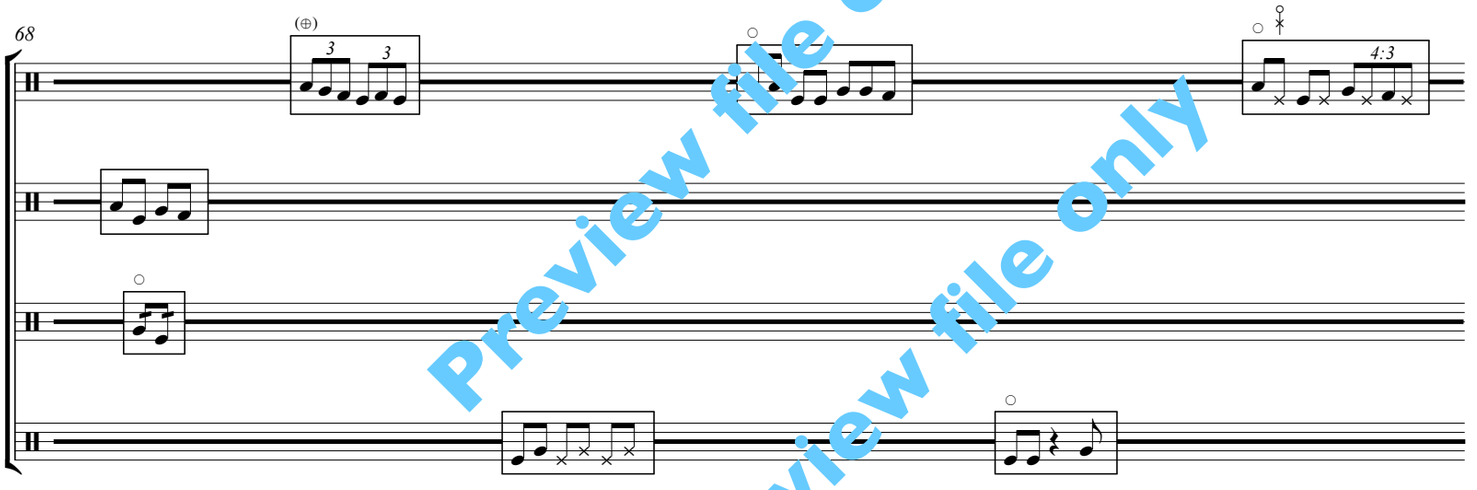

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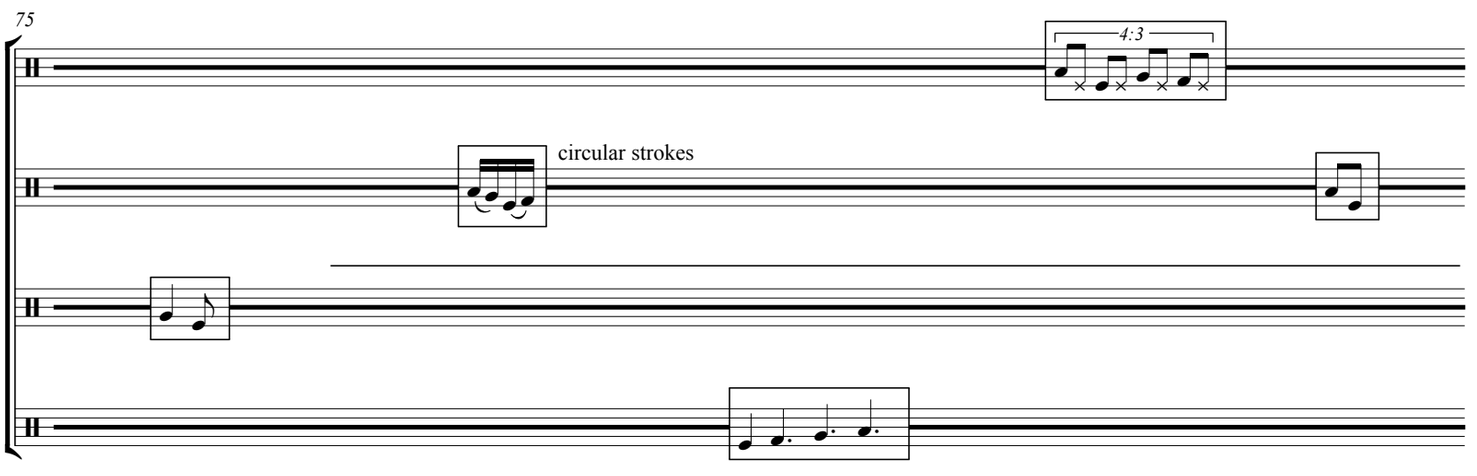

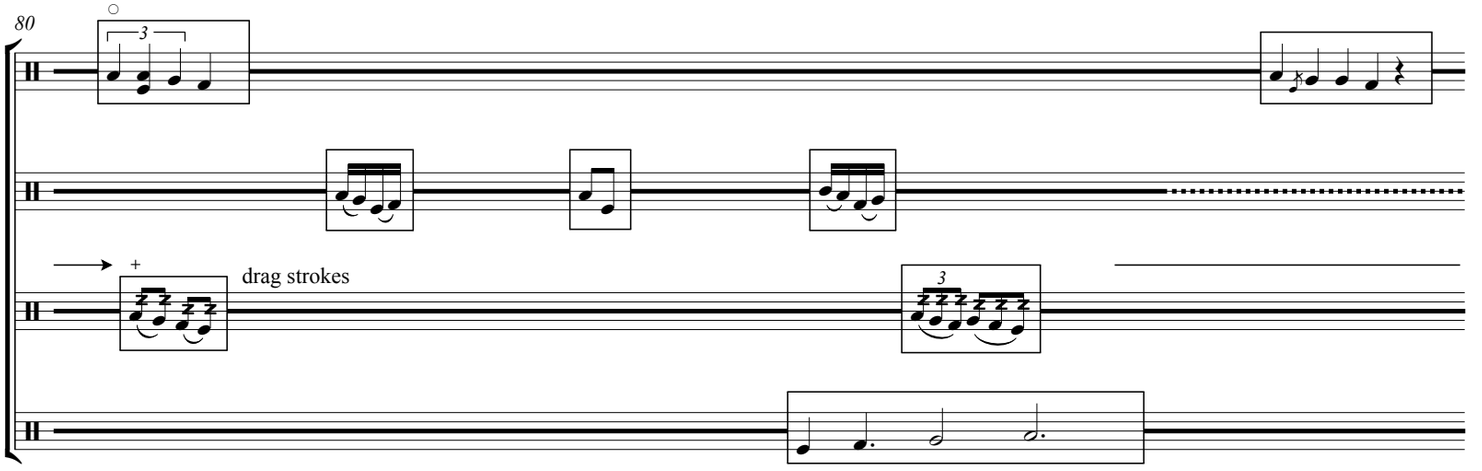

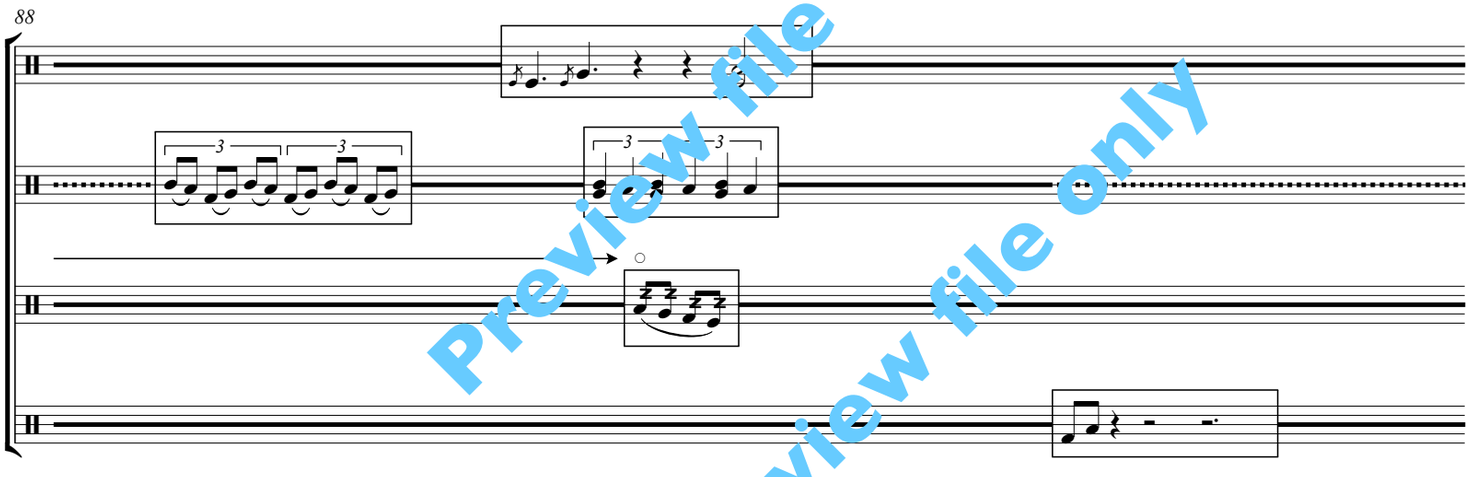

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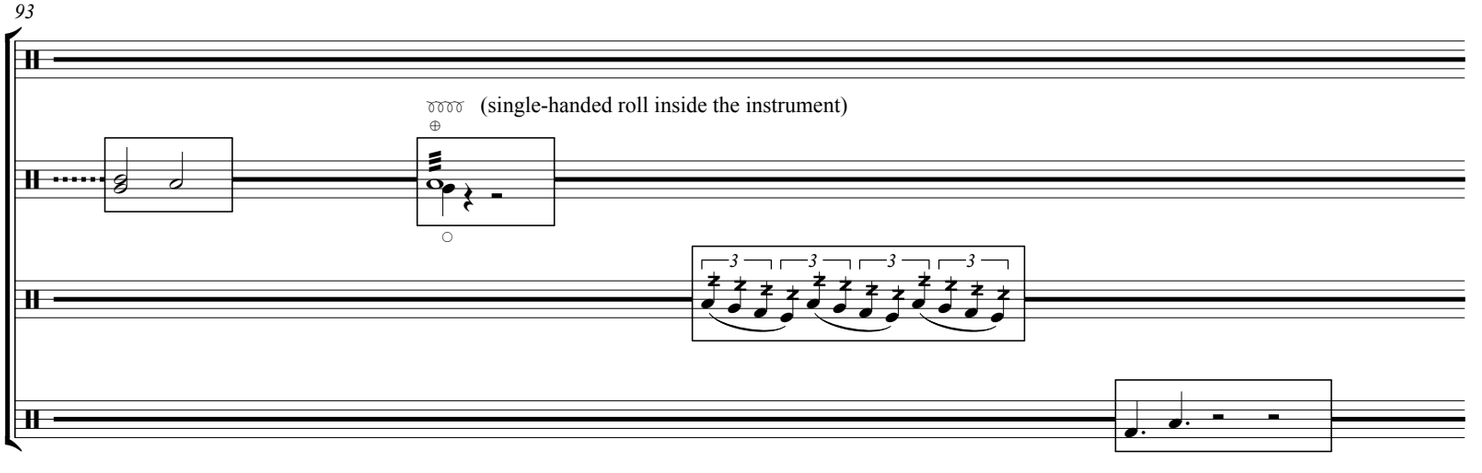

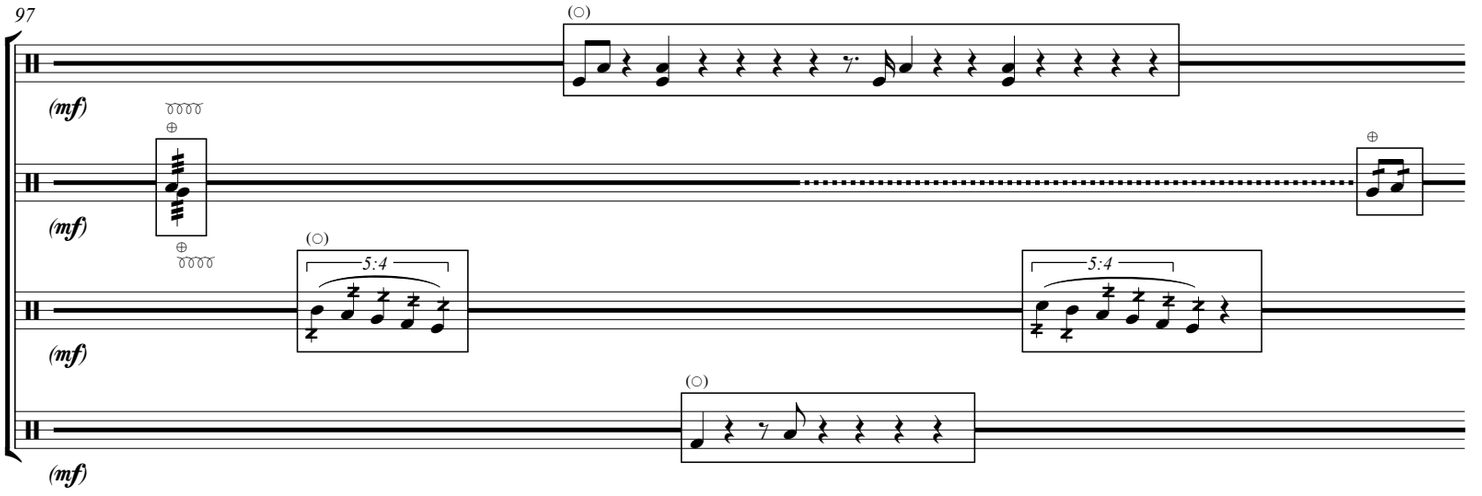

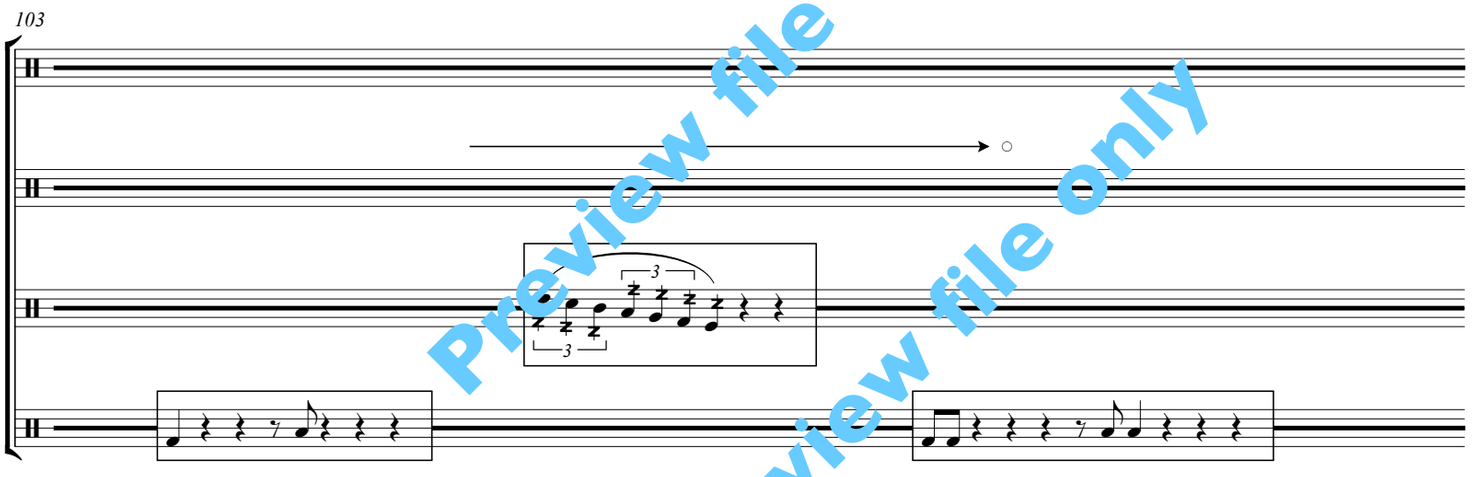

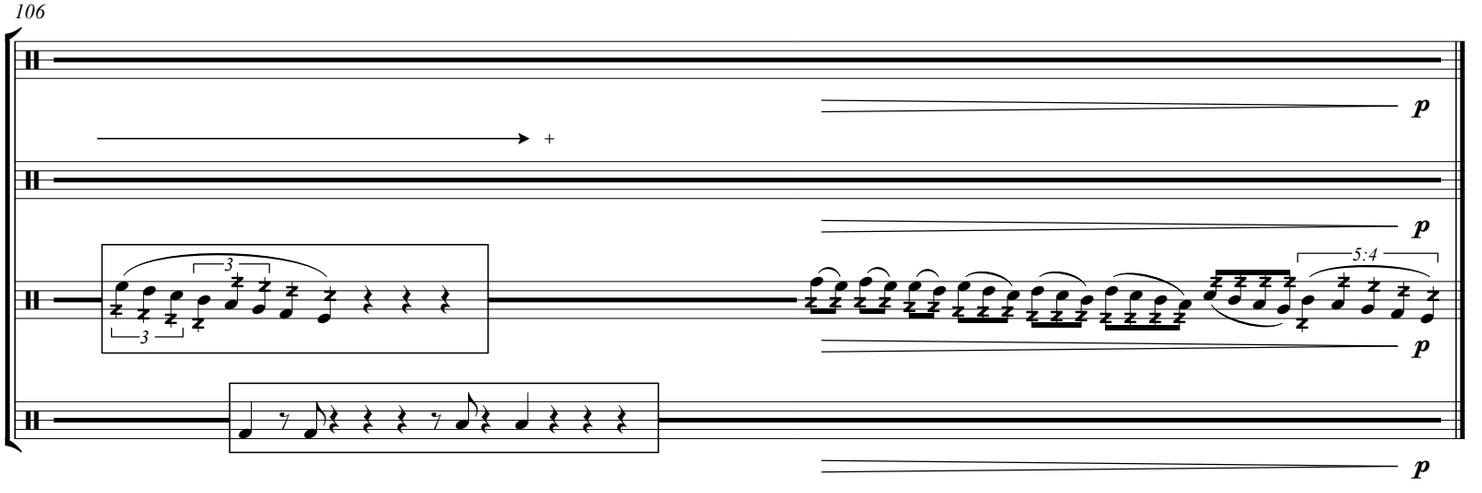

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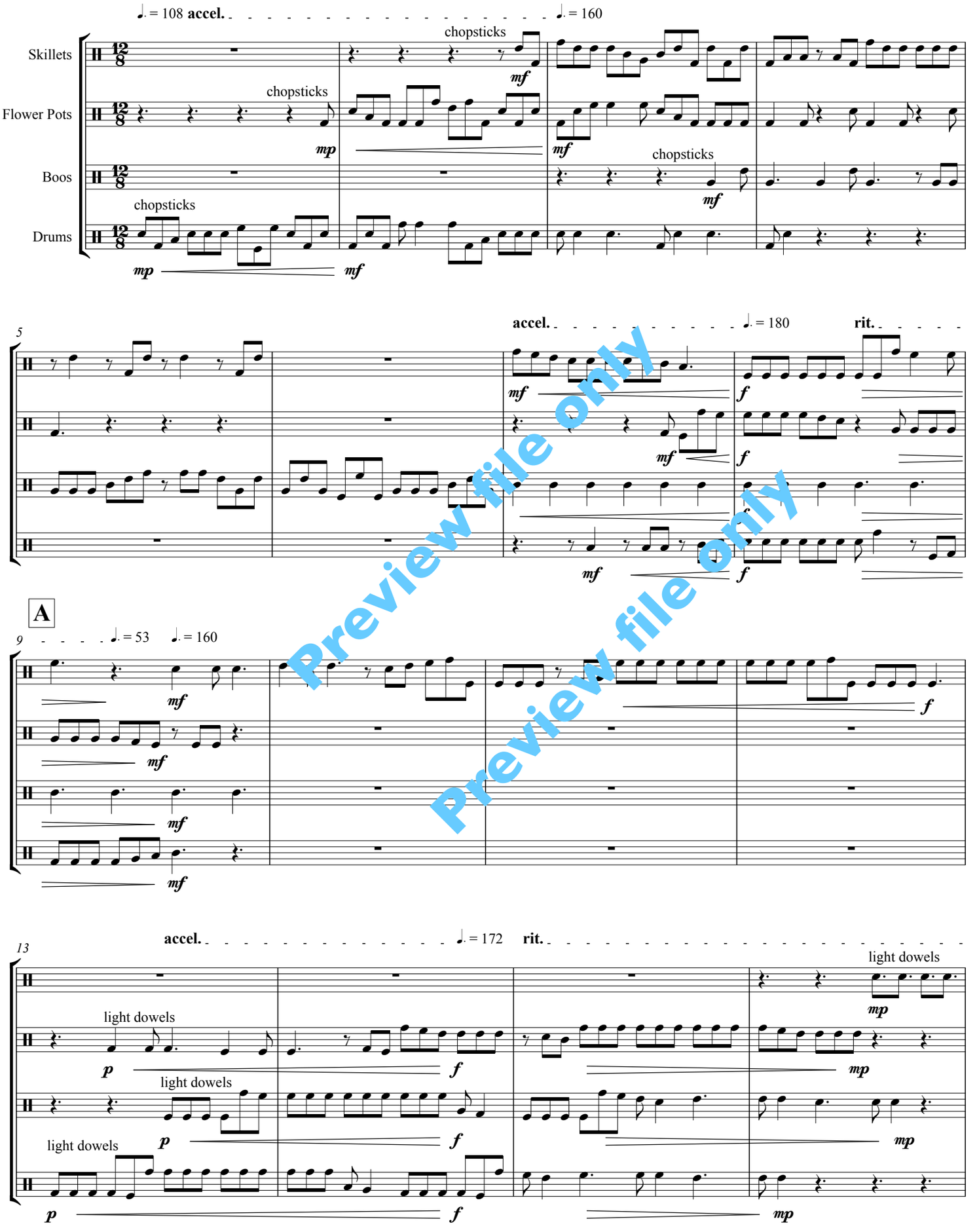
Dance



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16 **B**

17 ♩. = 120 **accel.**

(mp)

mp

mp

mf

21 ♩. = 180 **rit.**

mf

mf

mf

C

25 ♩. = 144 **accel.**

medium dowels

mf

mf

medium dowels

mf

29 ♩. = 160

medium dowels

mf

medium dowels

mf

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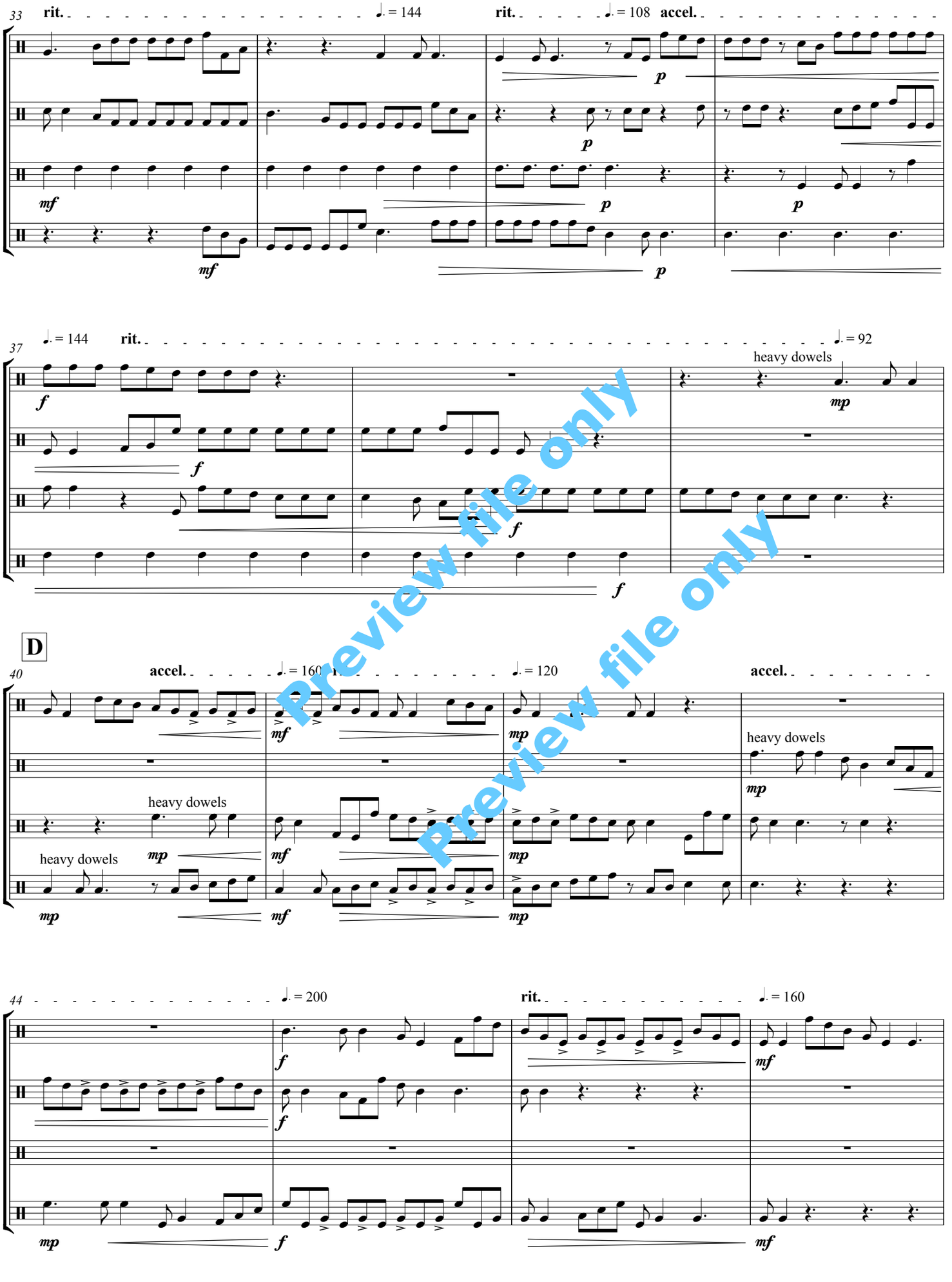

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E

48 (♩. = 160) **accel.** ♩. = 200 ♩. = 100 **accel.**

snare sticks, tip

(mf) *mf*

snare sticks, tip

mf

snare sticks, tip

mf

52 ♩. = 160 **rit.** ♩. = 120 ← ♩. =

mf

snare sticks, tip

mf

F

56 = ♩ = 120 → **accel.** ♩ = 132

hard rubber mallets

mf *f*

mf *f*

60 **accel.**

hard rubber mallets

f

hard rubber mallets

f

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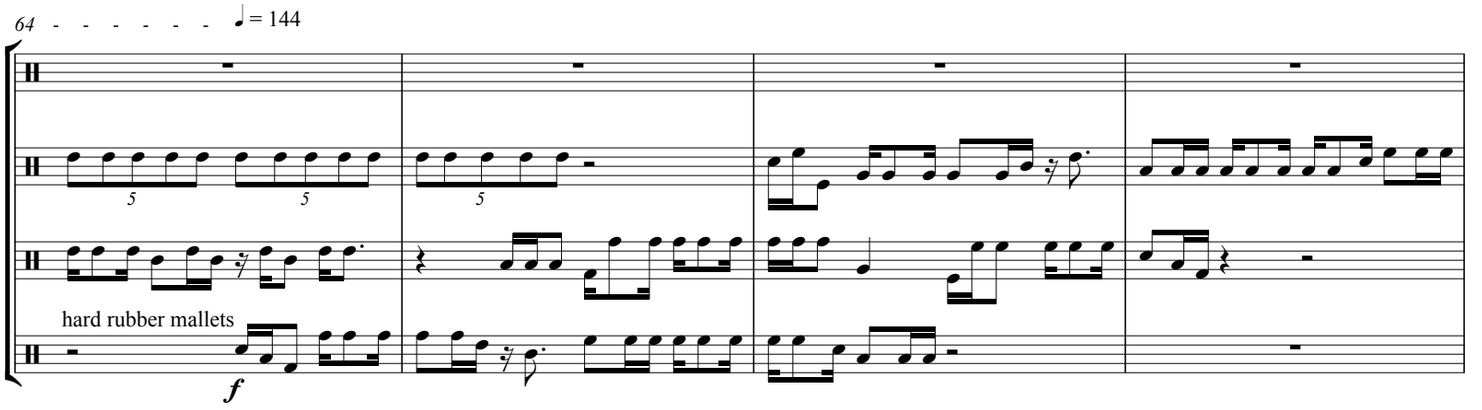

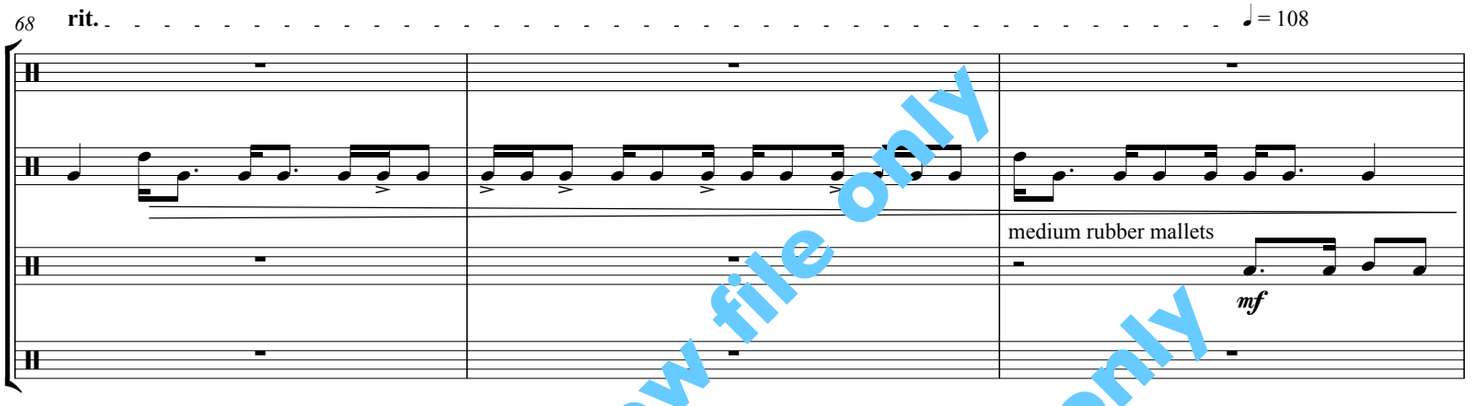

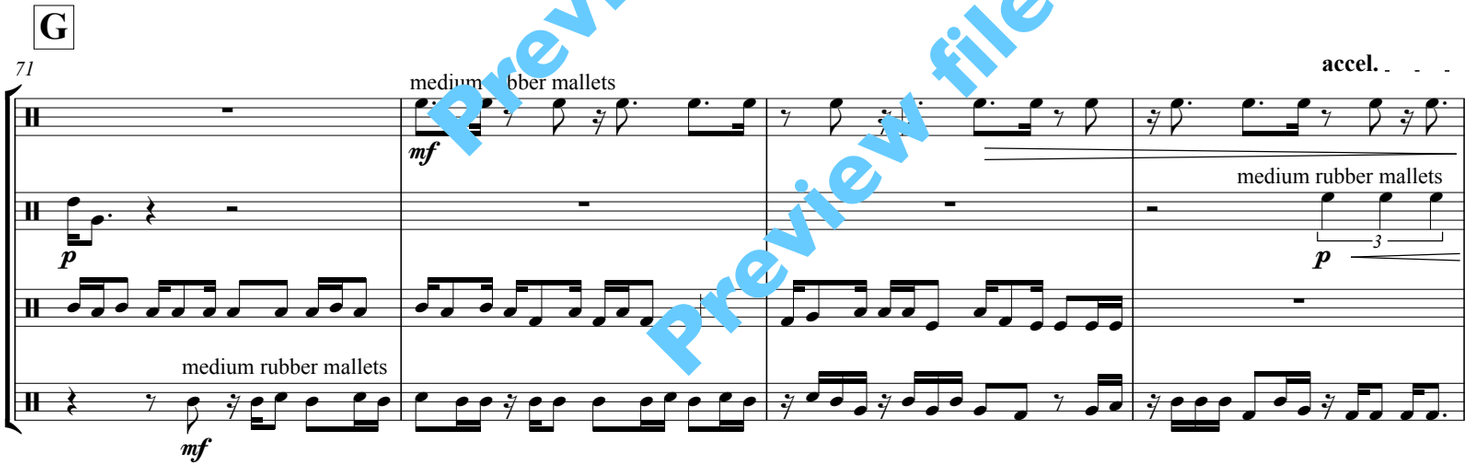

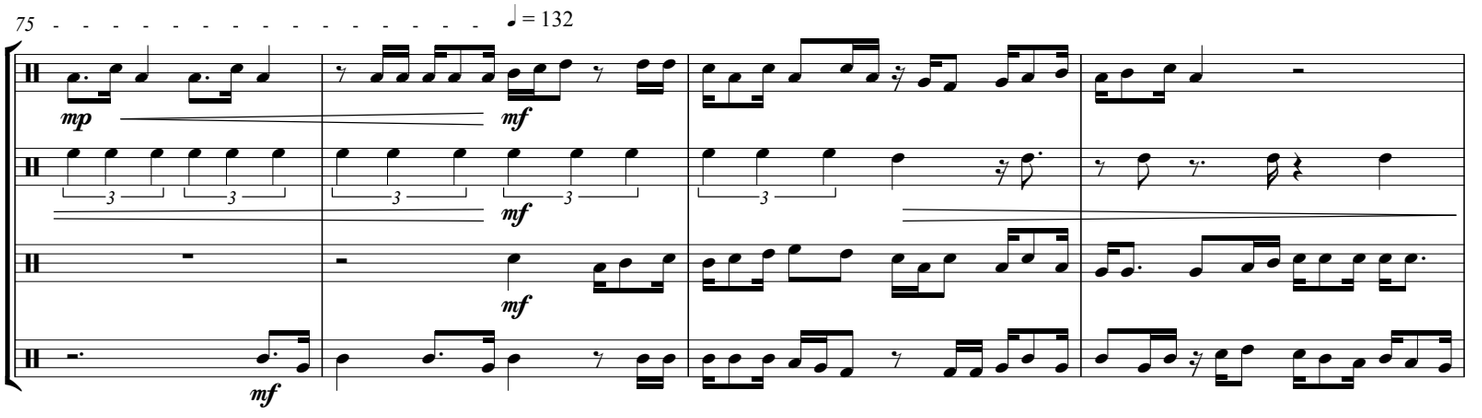

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H

79 (♩= 132) **accel.** ♩= 144

p

(*mf*)

(*mf*)

mf

83 **rit.** ♩= 108 **rit.** ♩= 48

mf

I

87 ♩= 144

medium hard cord mallets

mf

medium hard cord mallets

mf

medium hard cord mallets

mf

medium hard cord mallets

mf

rit.

91 ♩= 108 ♩= 144

mf

soft rubber mallets

mf

Preview file only
Preview file only

J

95

soft rubber mallets

mf

soft rubber mallets

mf

soft rubber mallets

mf

100

mf

mf

mf

104

mf

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K

108

medium yarn mallets

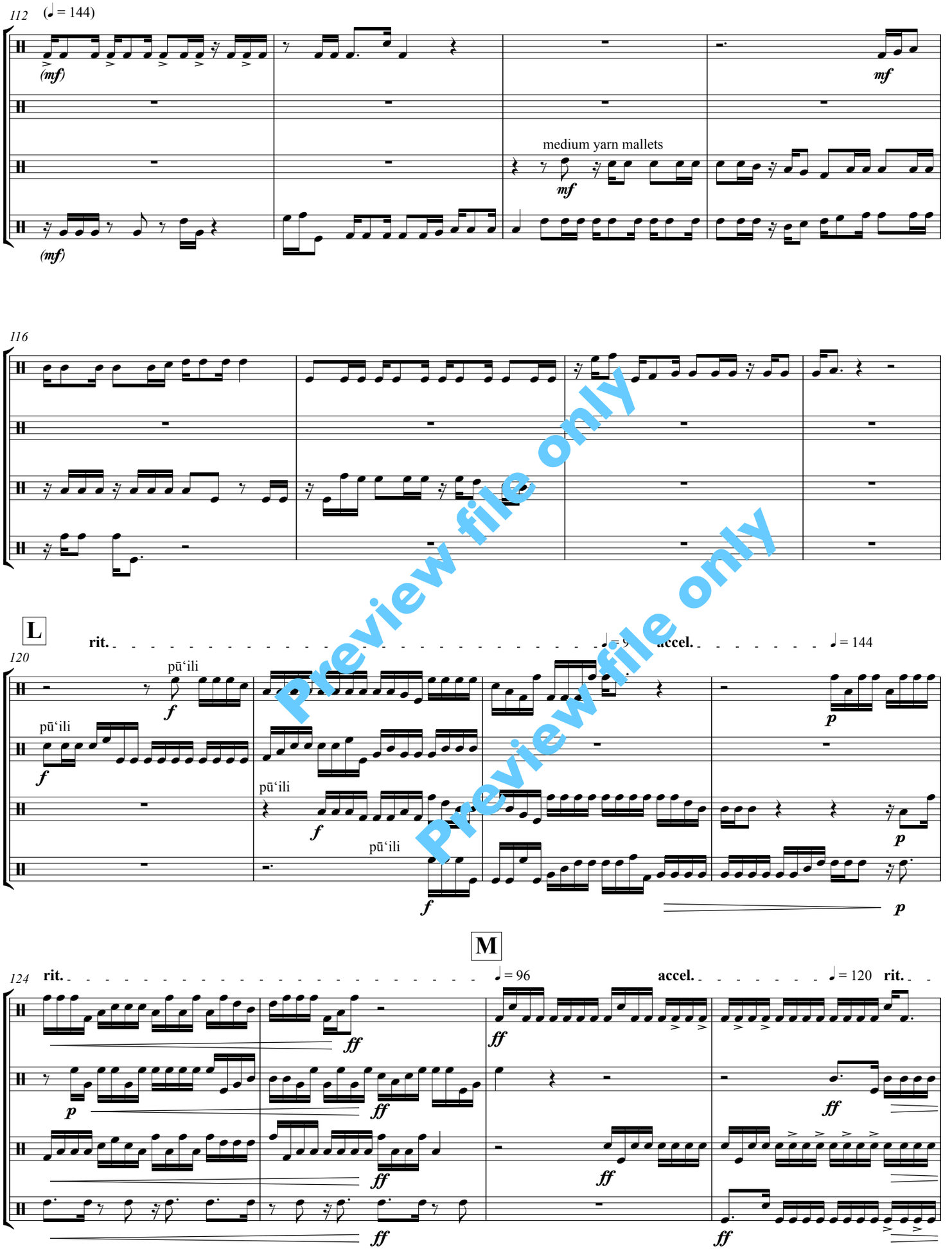
mf

medium yarn mallets

mf

medium yarn mallets

mf



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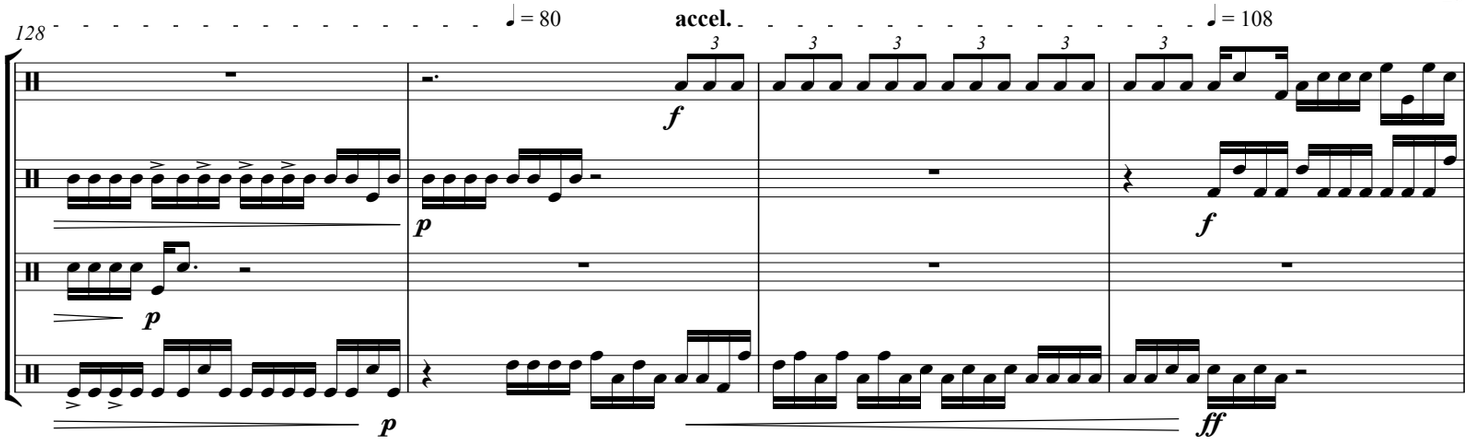

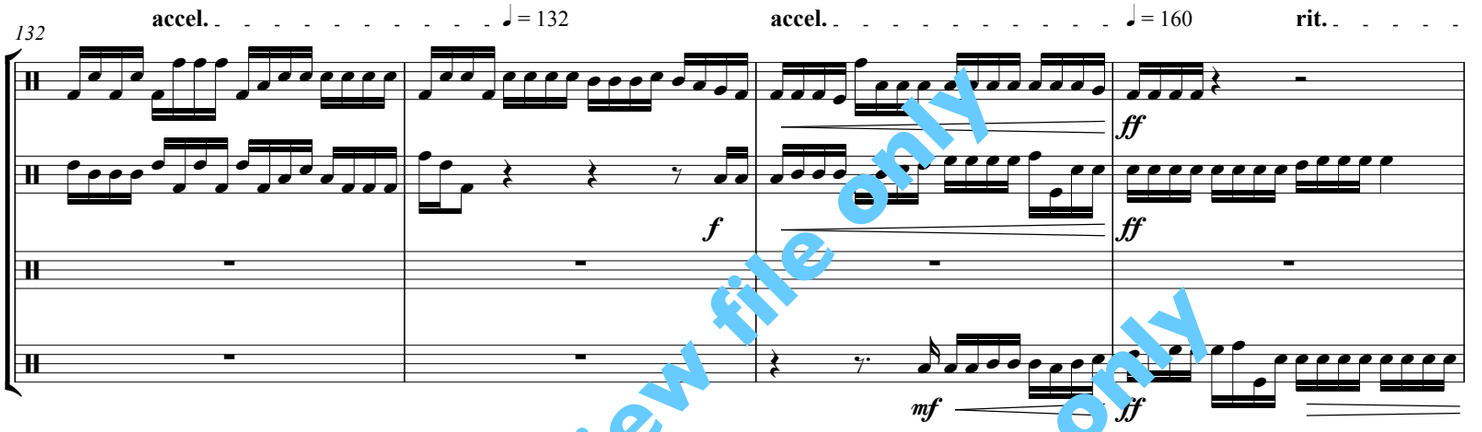

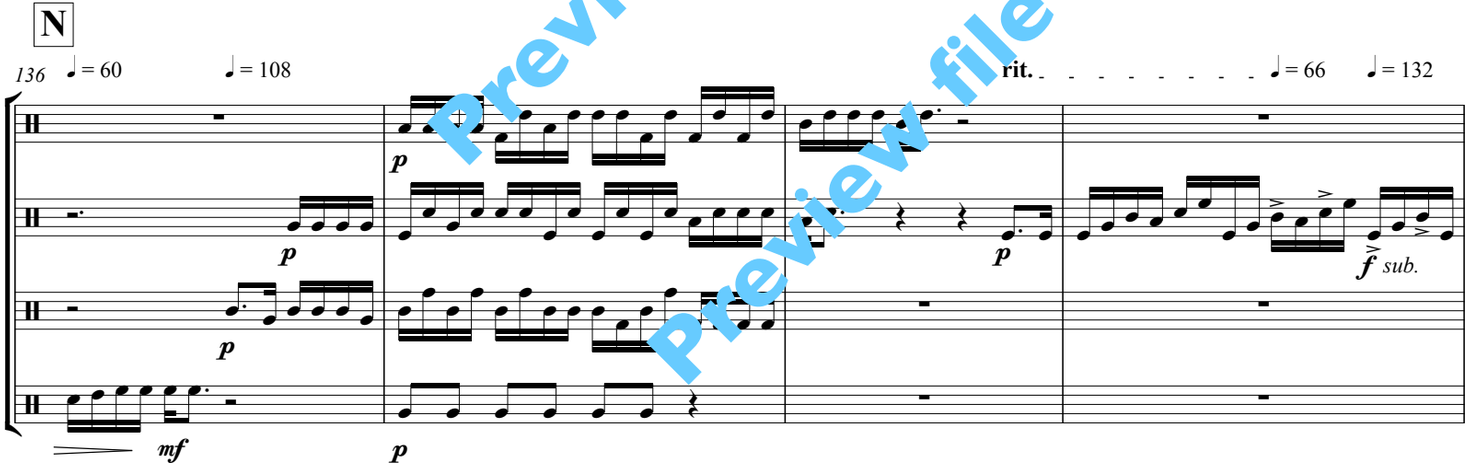

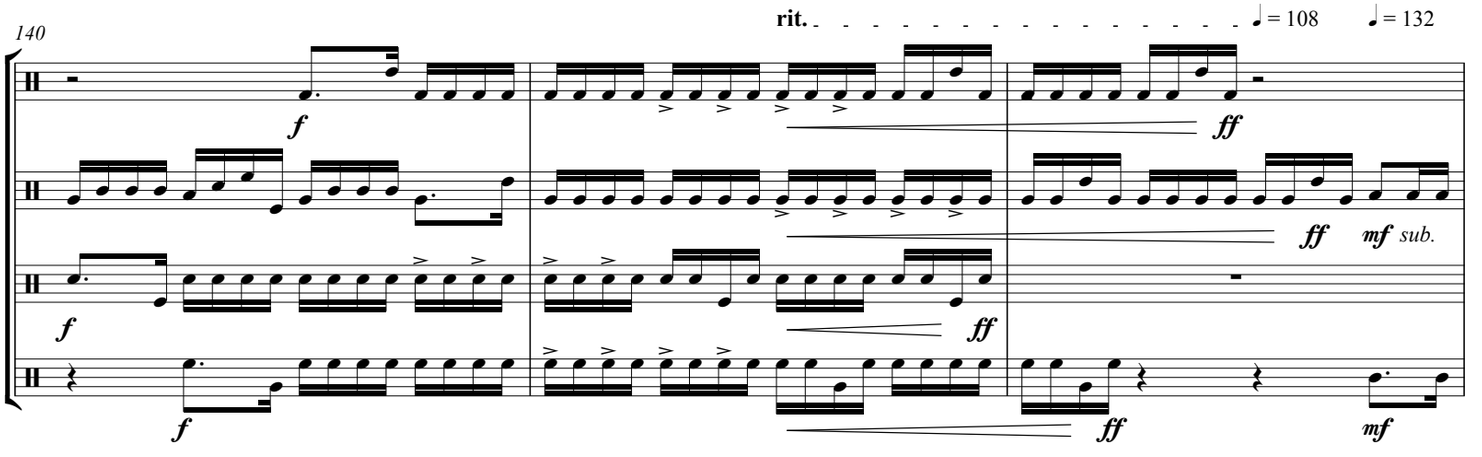

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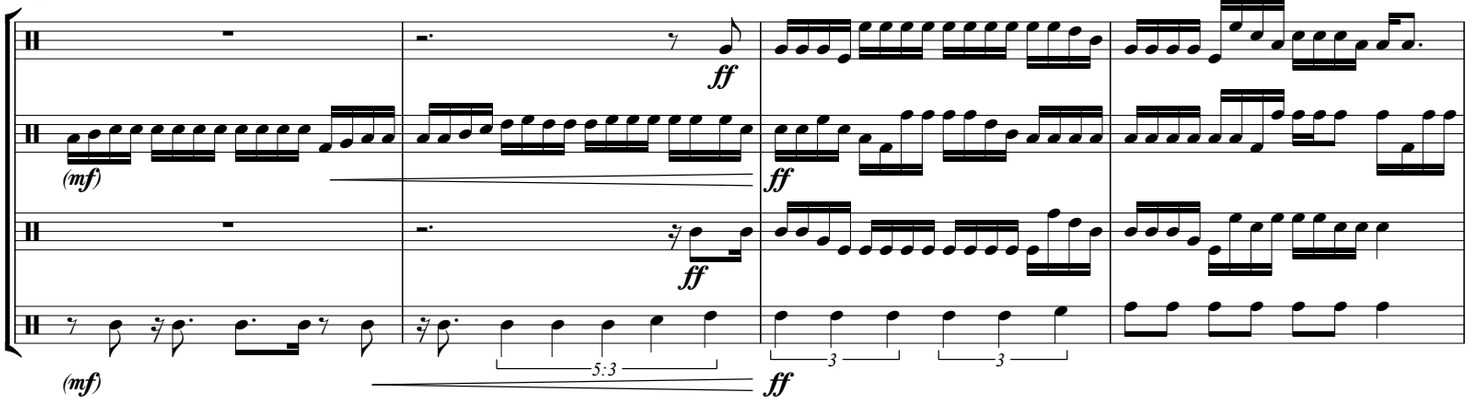
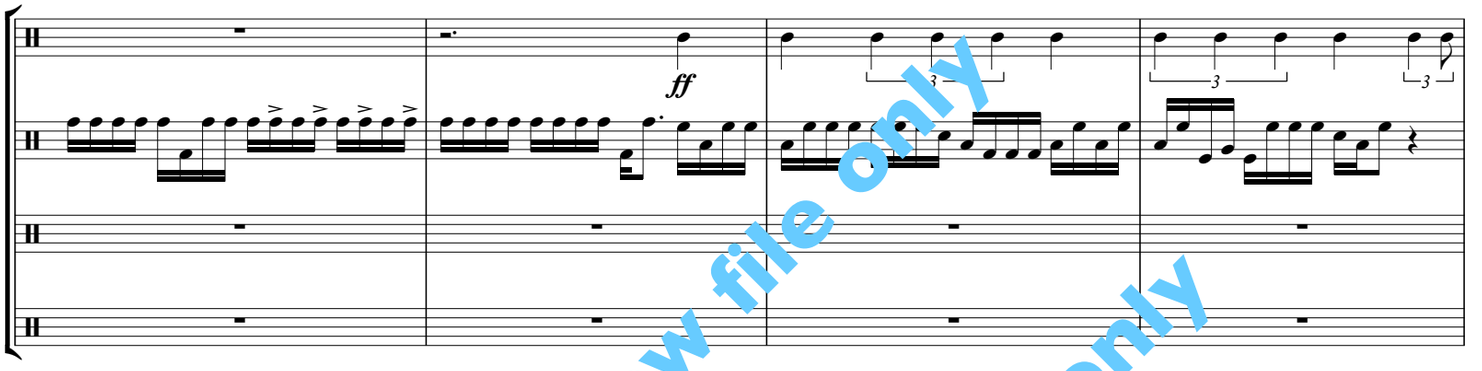
O

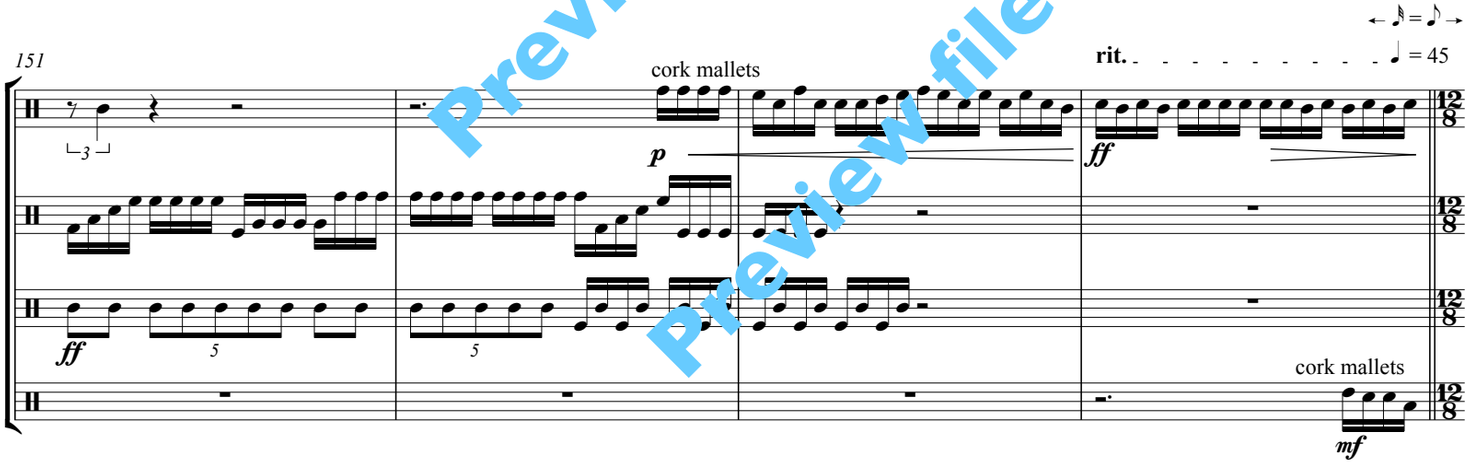
143 (♩ = 132)



147

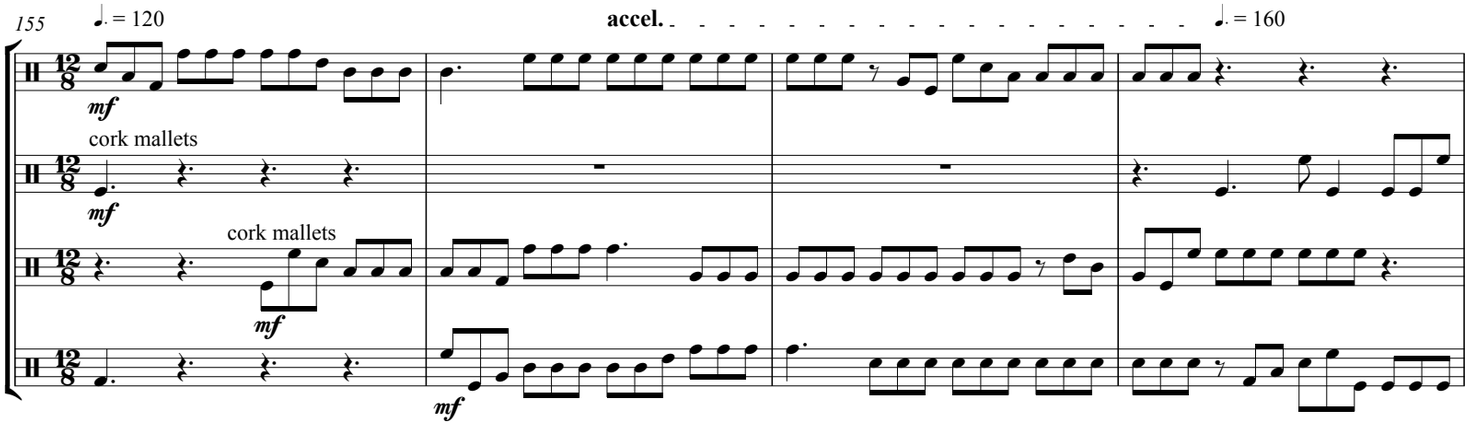


151



P

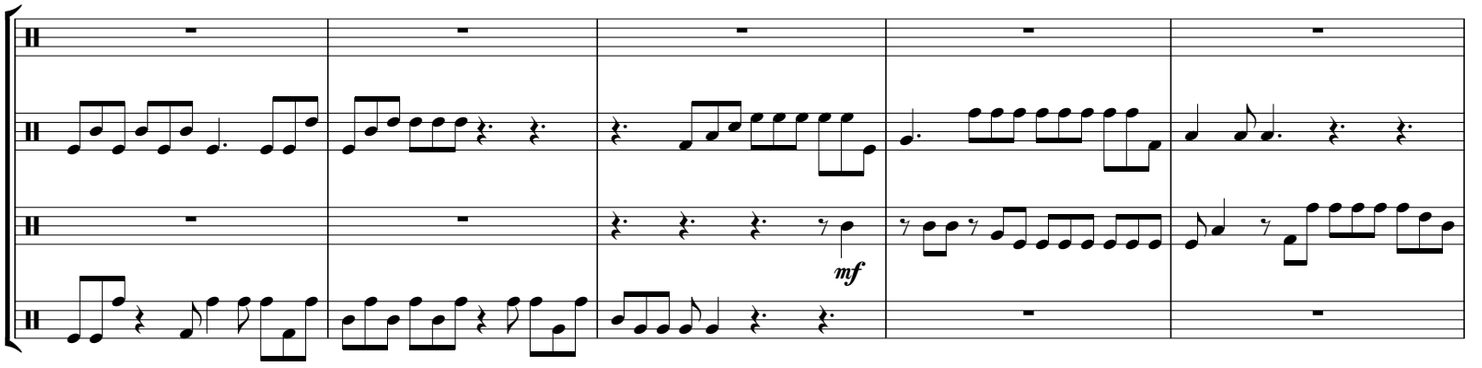
155 ♩. = 120 accel. ♩. = 160



Preview file only
Preview file only

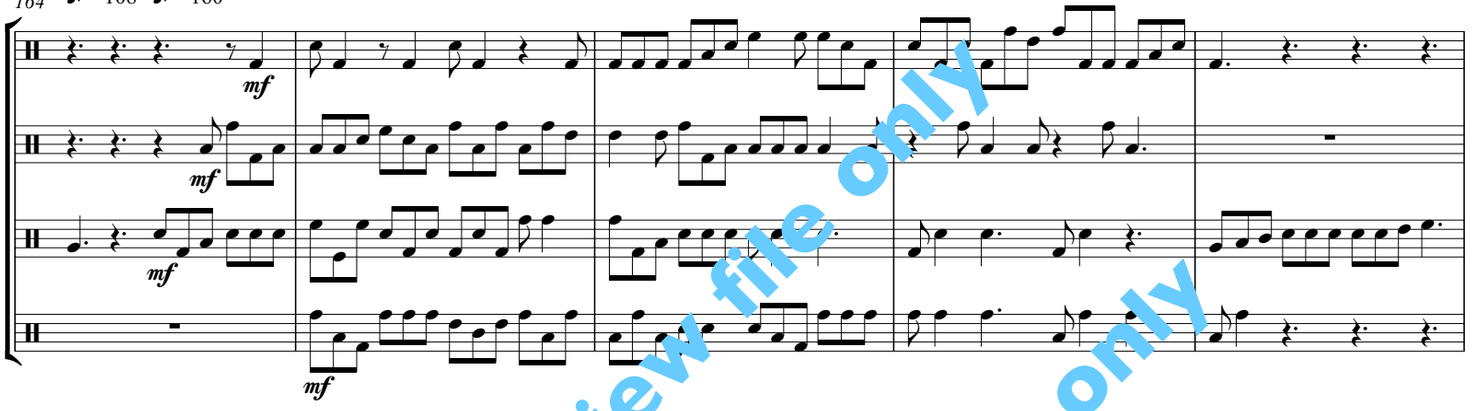
159

rit.



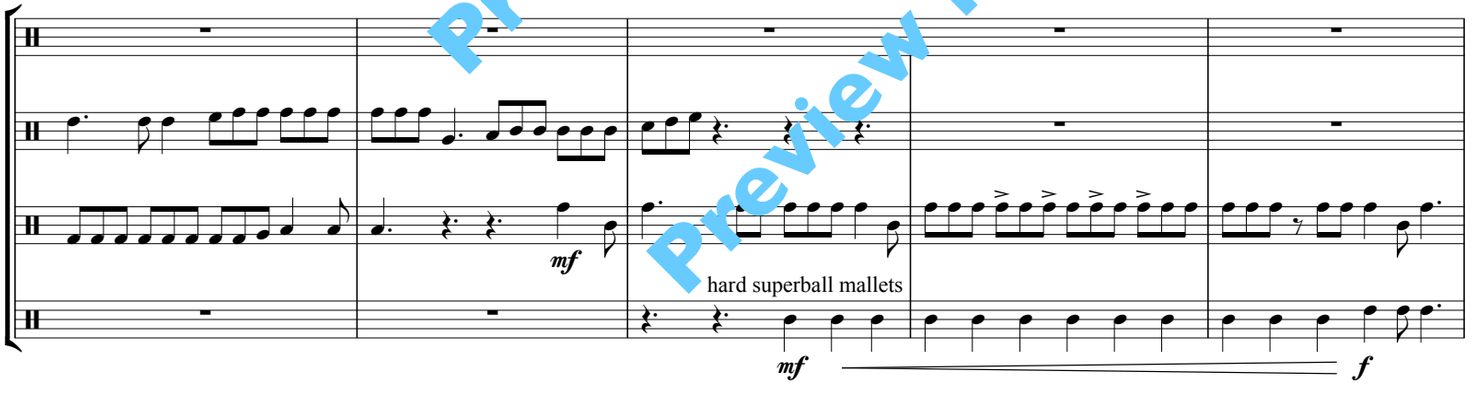
Q

164 ♩. = 108 ♩. = 160



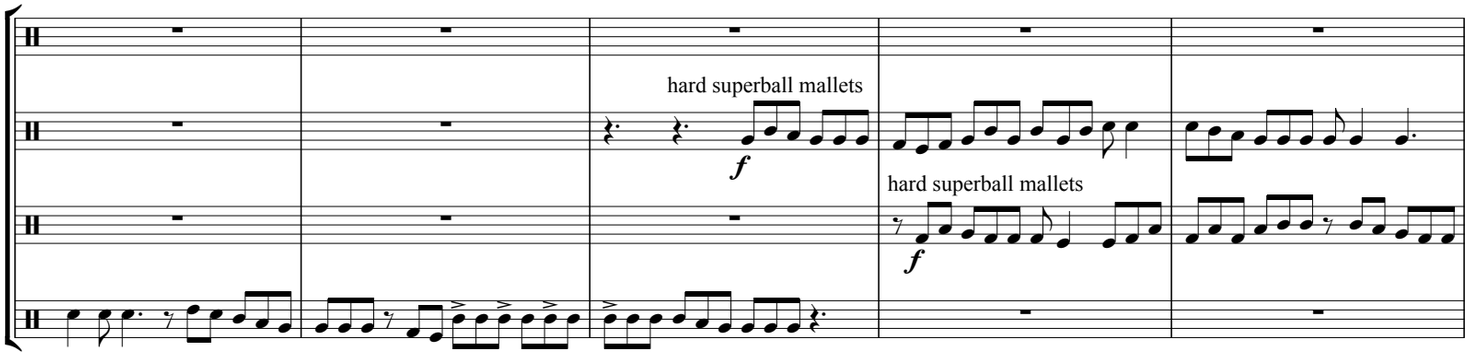
169

accel. ♩. = 180



R

174



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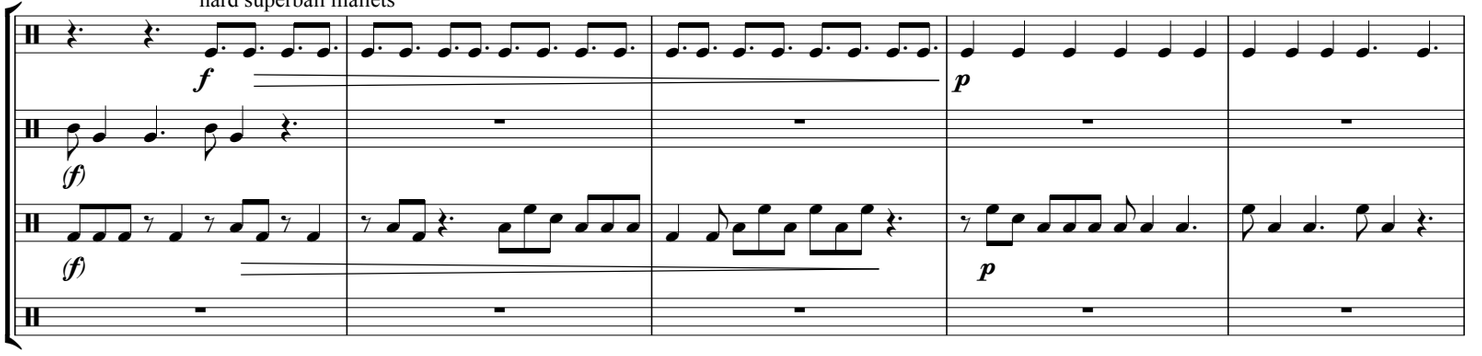
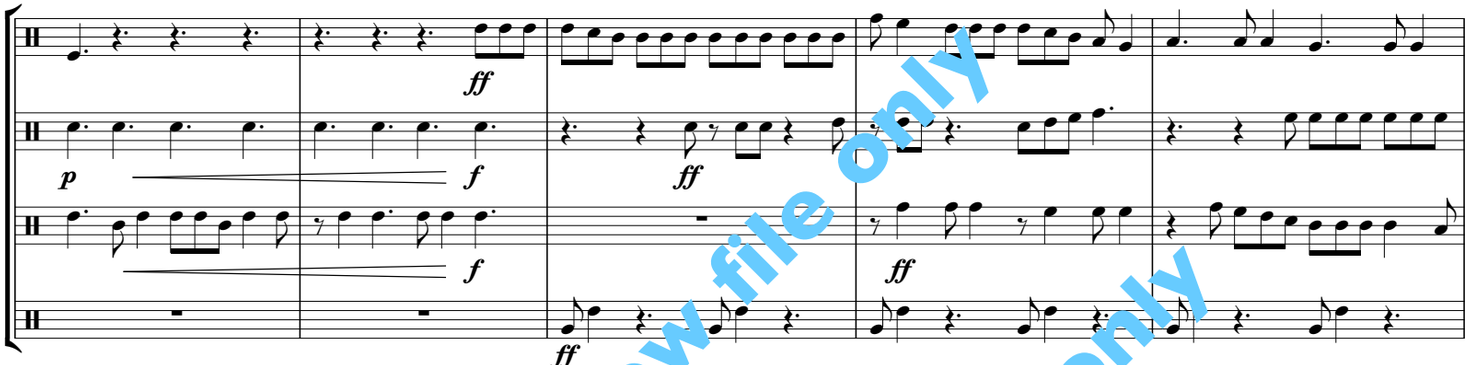
179 (♩. = 180) **rit.** ♩. = 144

hard superball mallets

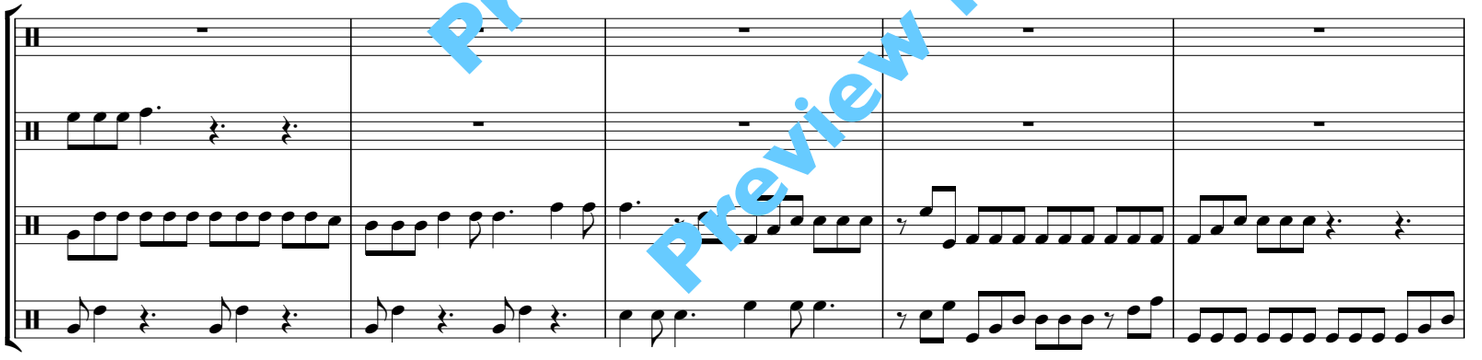


S

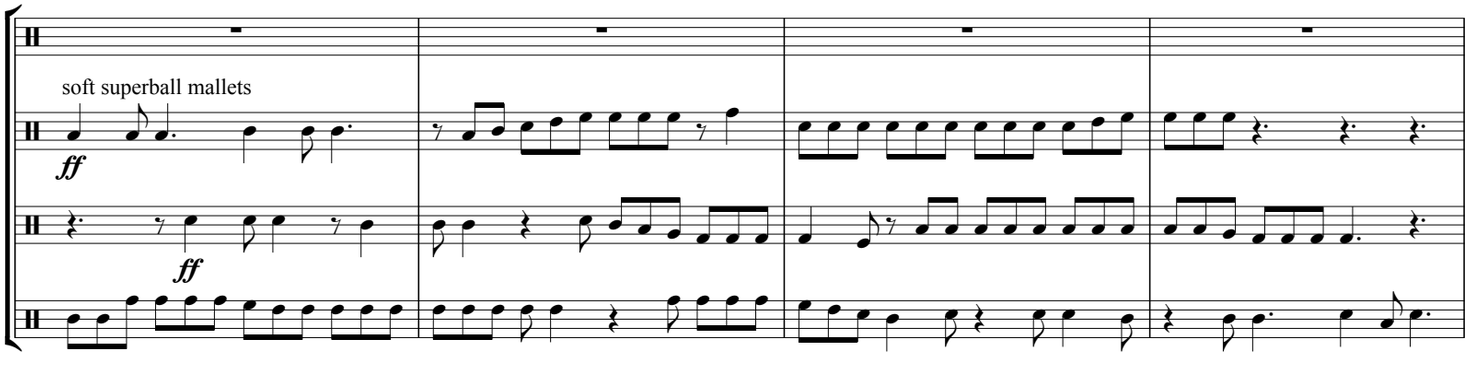
184 **accel.** ♩. = 180



189



194



Preview file only
Preview file only

198

accel. ♩. = 200 rit.

soft superball mallets

ff

ff

soft superball mallets

ff

mf

T

202 ♩. = 80 accel. ♩. = 108 rit.

p

mf

p

mf

p

mf

soft superball mallets

mf

205 ♩. = 96 accel. ♩. = 160

p

p

p

f

f

f

p

f

208 rit. ♩. = 30

p

mf

p

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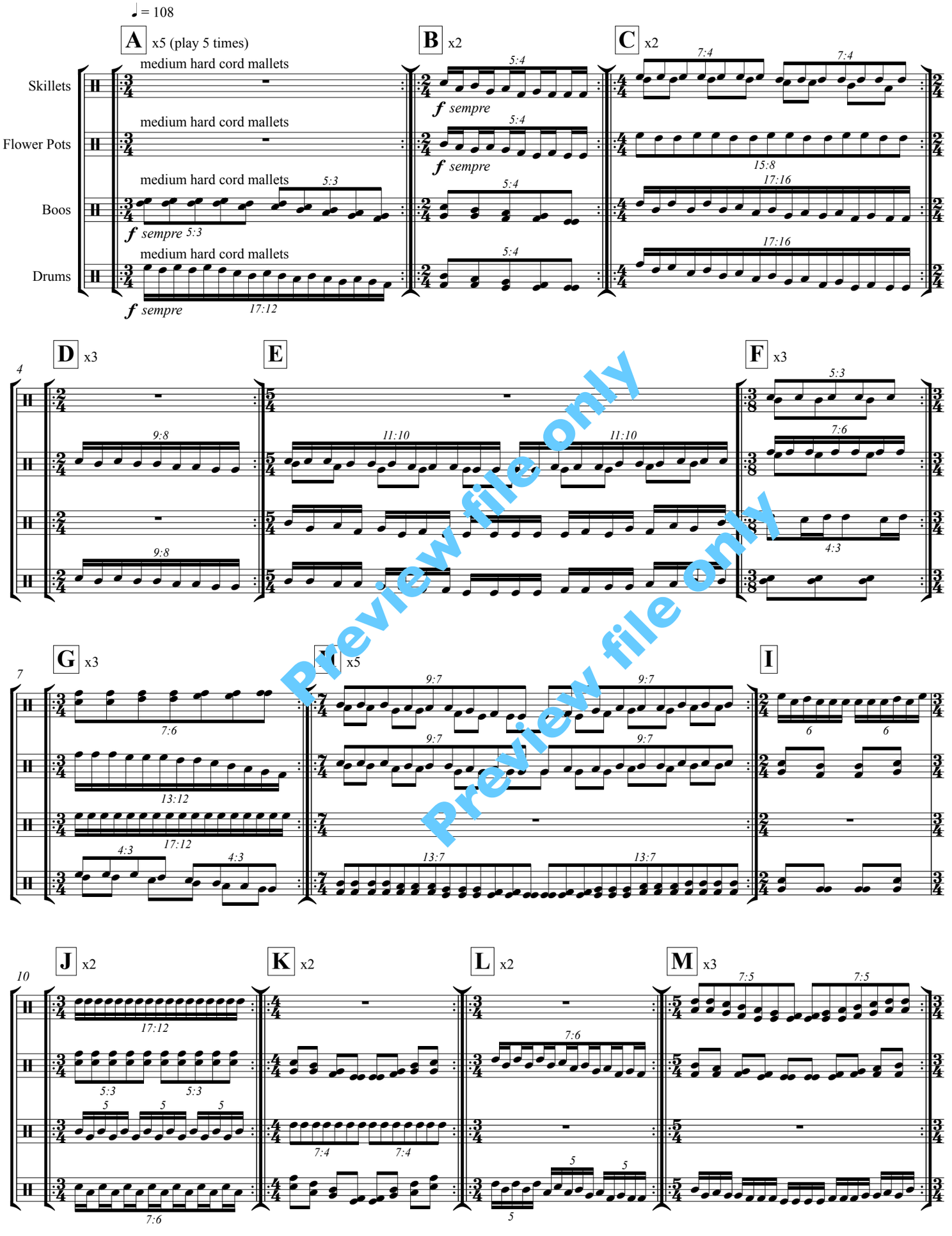
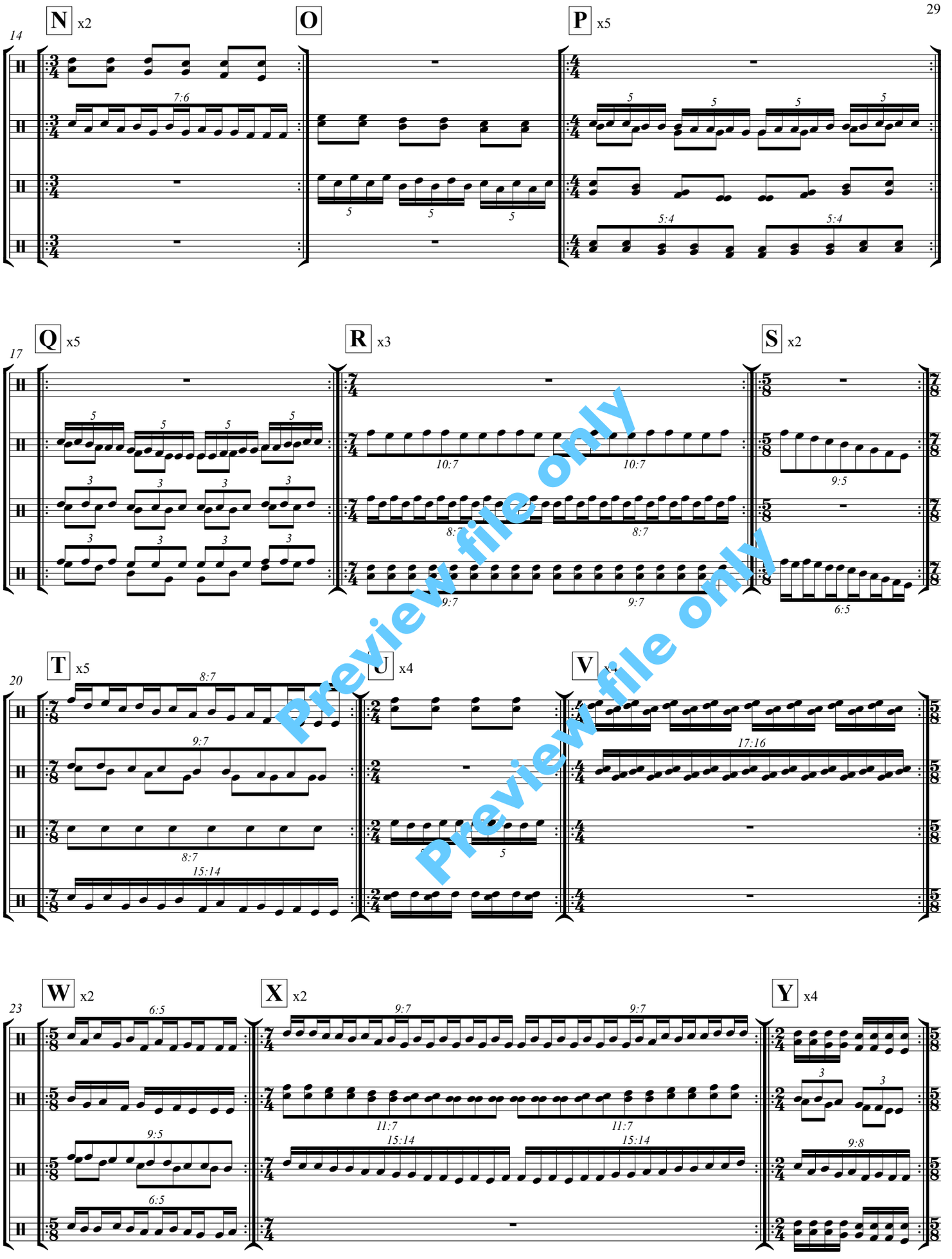
Preview file only

Race


♩ = 108
A x5 (play 5 times)
B x2
C x2
D x3
E
F x3
G x3
H x5
I
J x2
K x2
L x2
M x3
Skillets
Flower Pots
Boos
Drums
medium hard cord mallets
sempre
Preview file only
Preview file only



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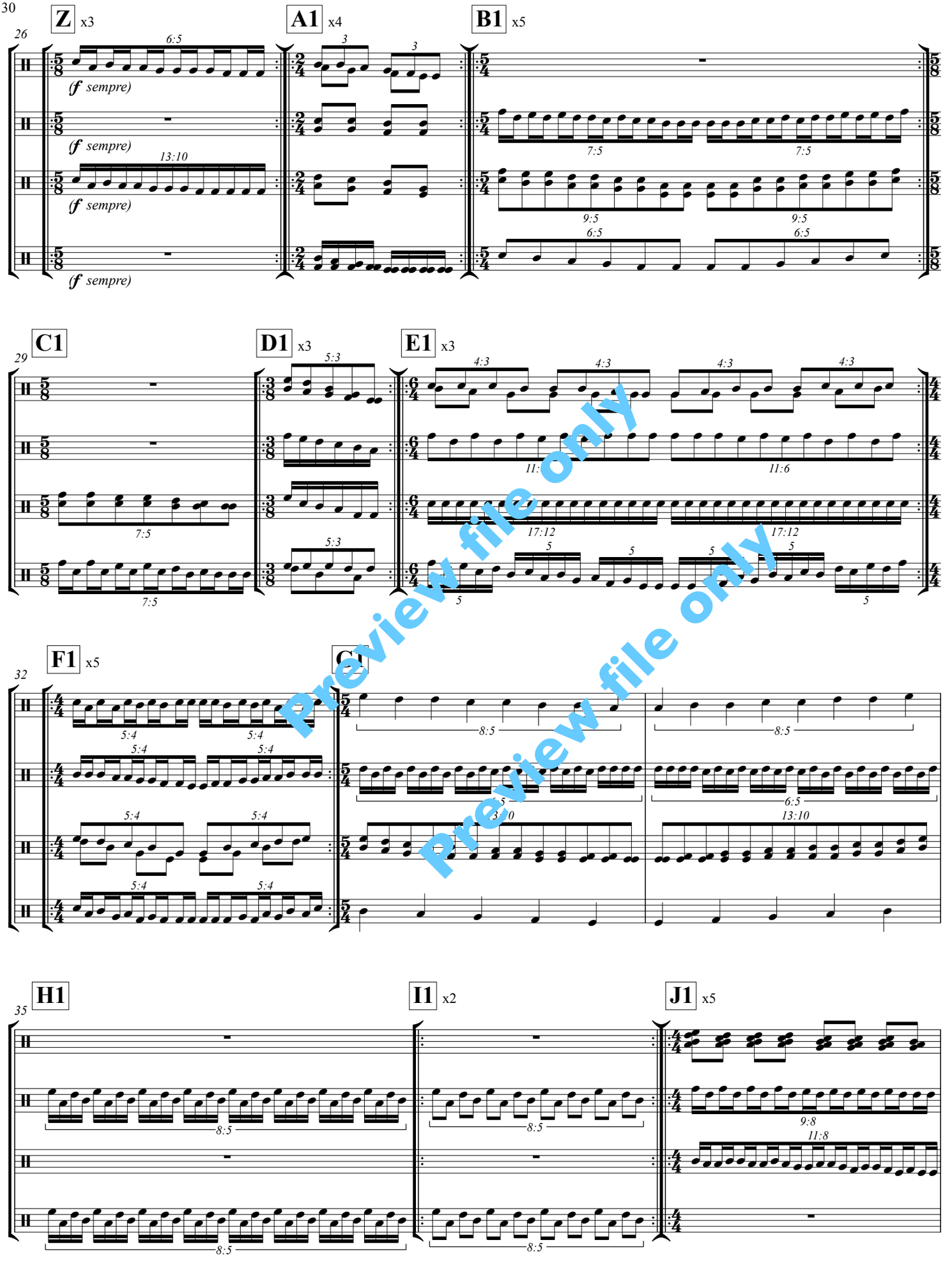
Preview file only


Z x3
A1 x4
B1 x5
C1
D1 x3
E1 x3
F1 x5
G1
H1
I1 x2
J1 x5
(f sempre)
Preview file only
Preview file only

38

K1 x2

L1 x2

42

M1 x2

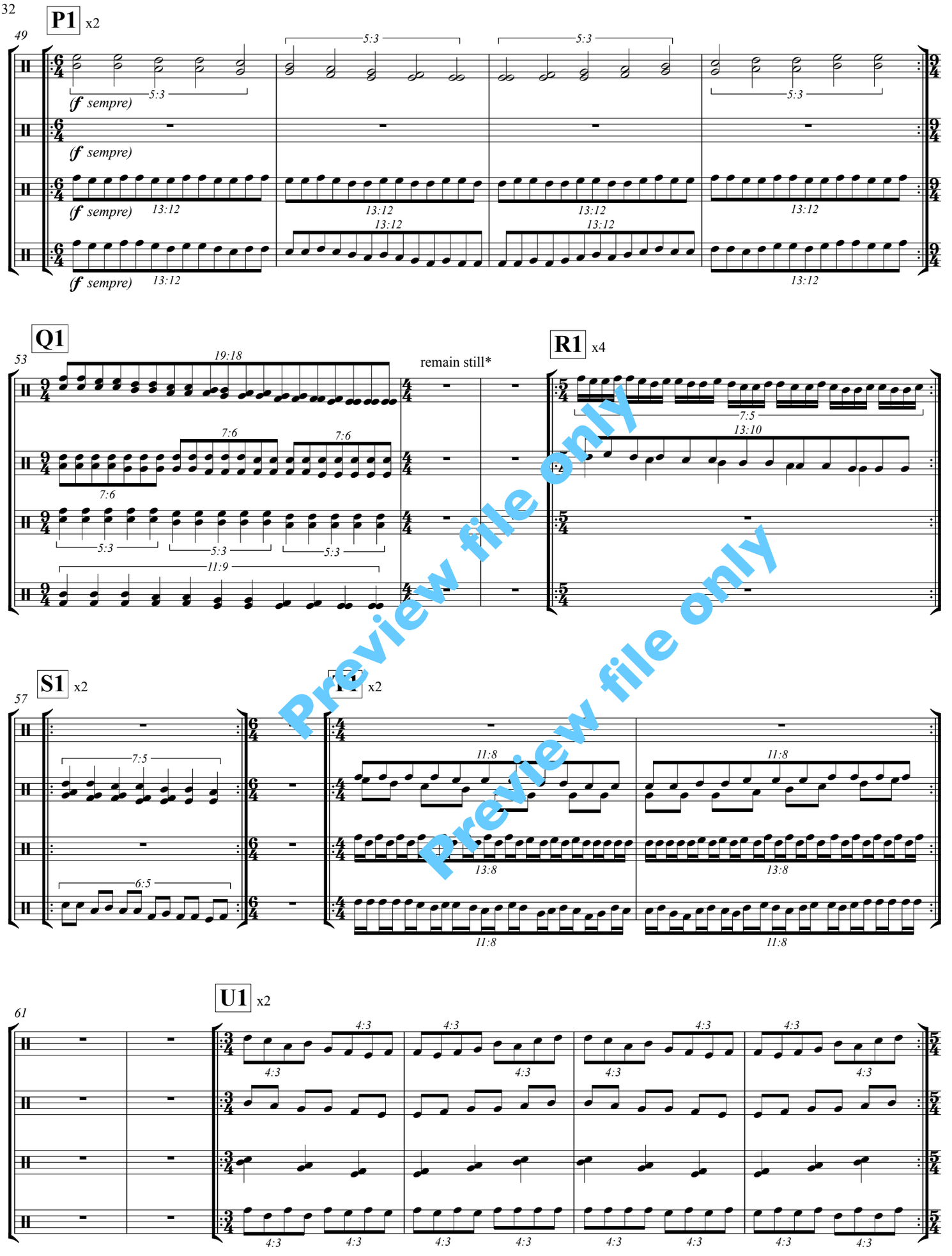
45

N1 x3

47

O1 x3

Preview file only
Preview file only



Preview file only
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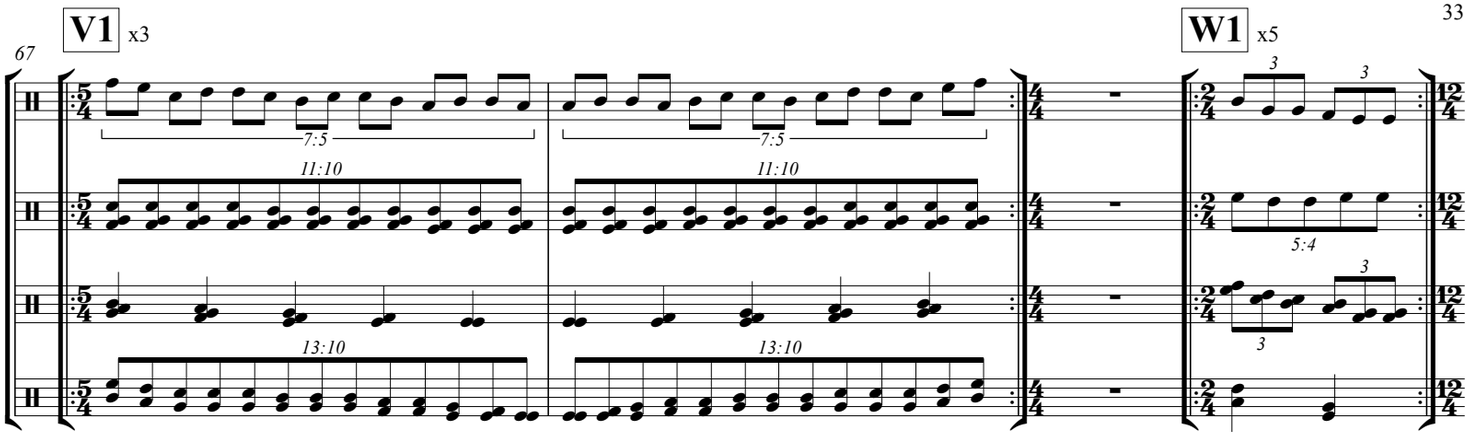
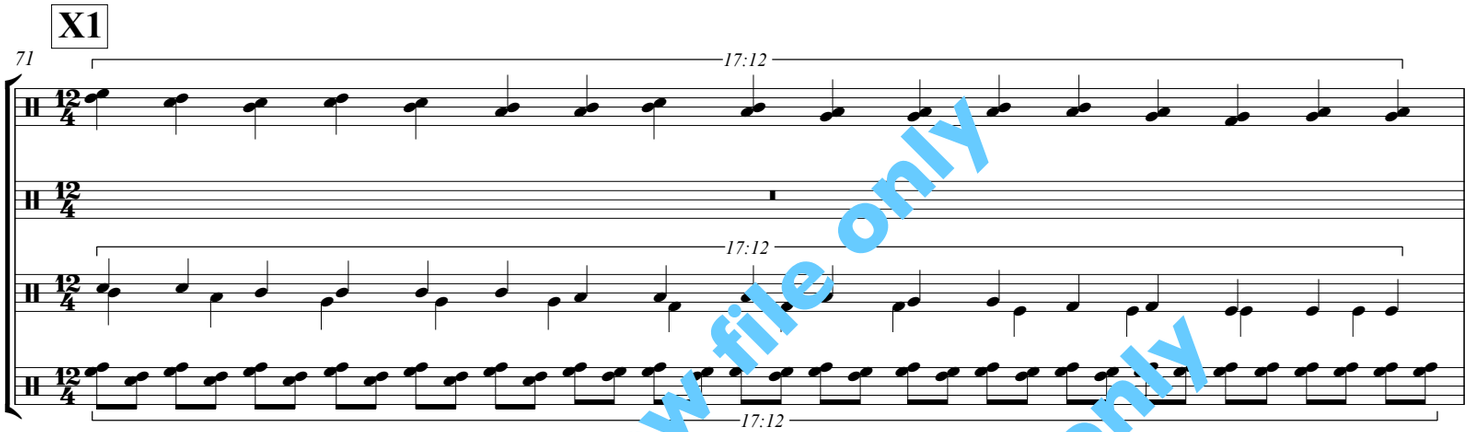
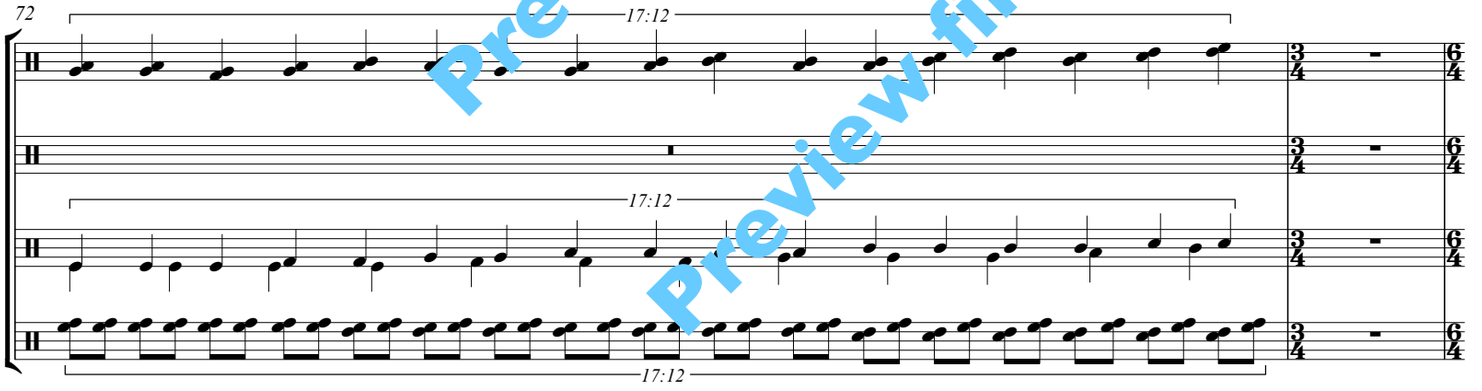
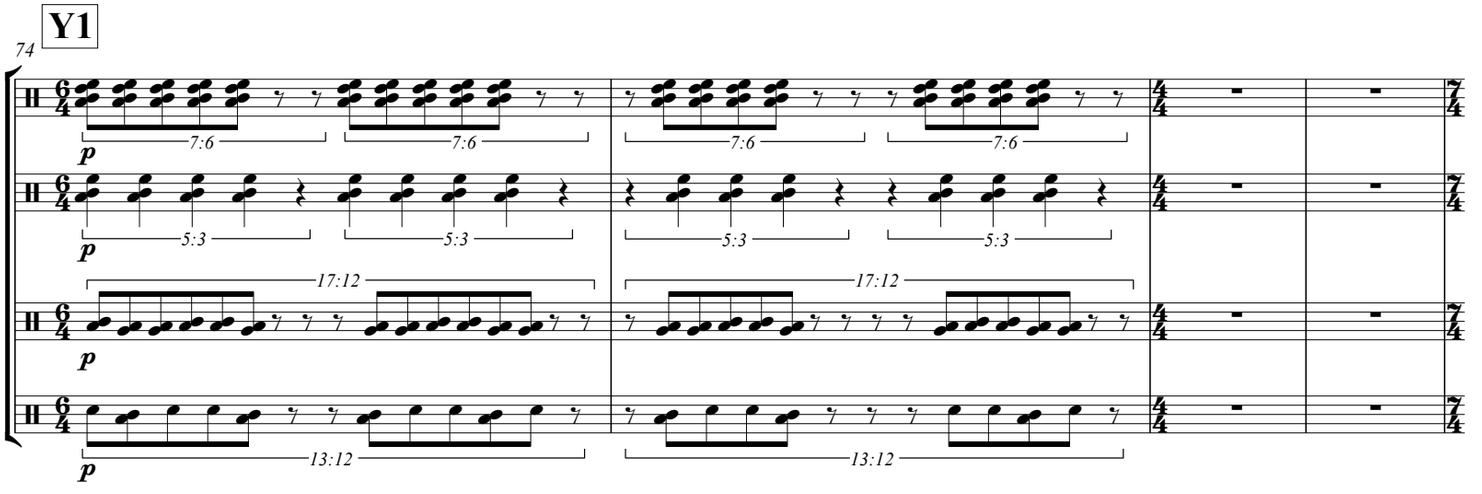
*All players should remain still during rests for the entire ensemble.









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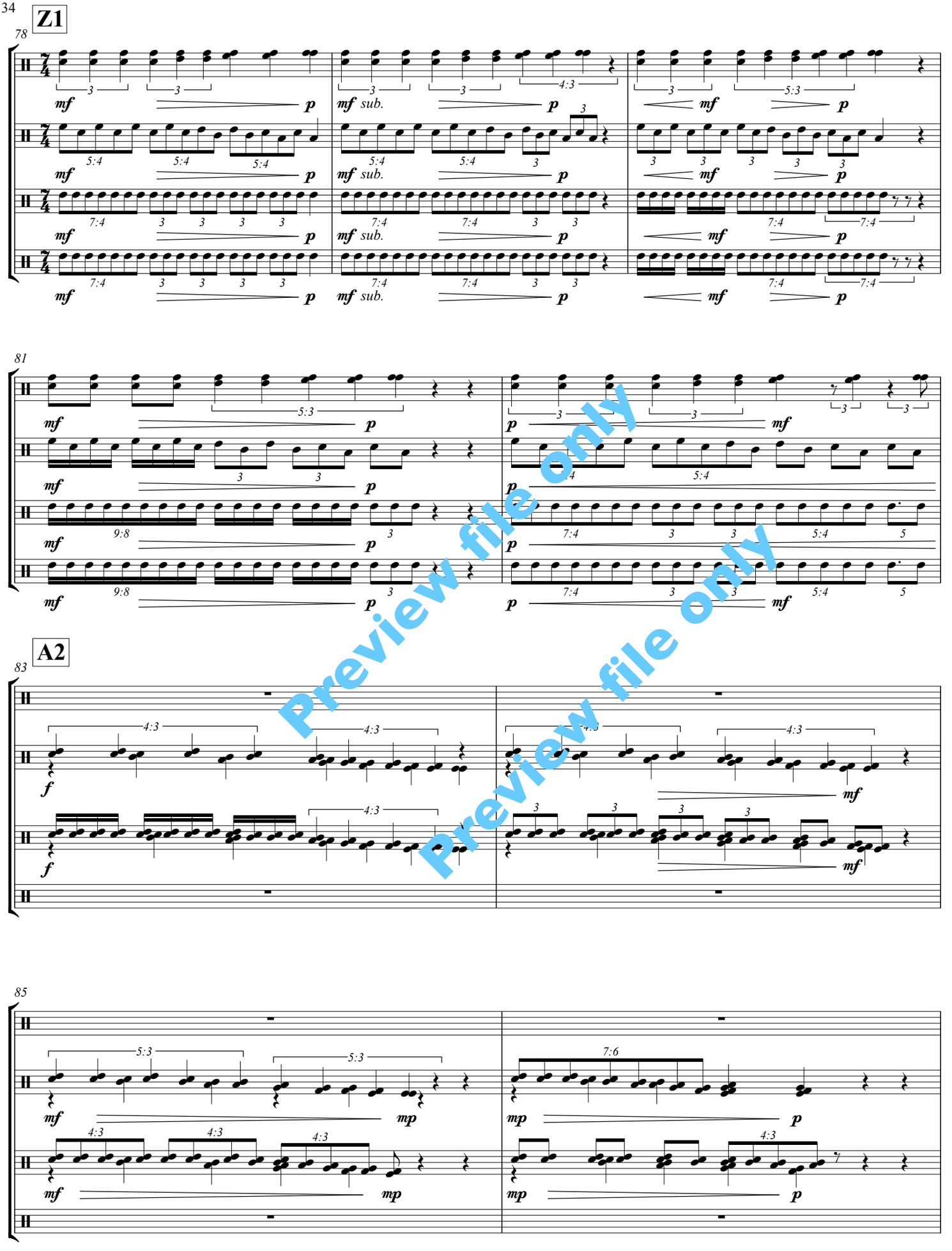

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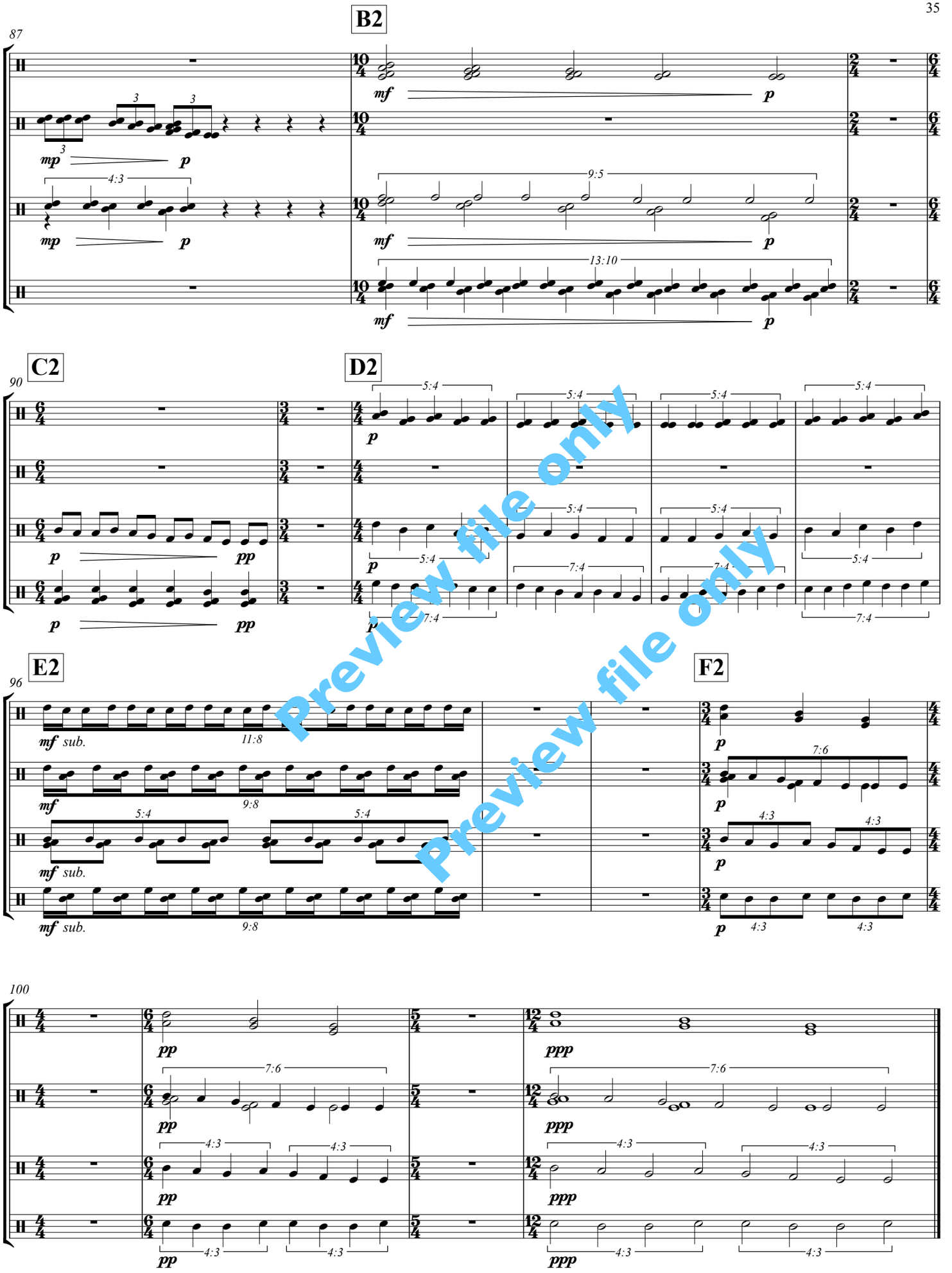

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