Austin Franklin

I/O

for snare drum and reflexive electronics

(2022)

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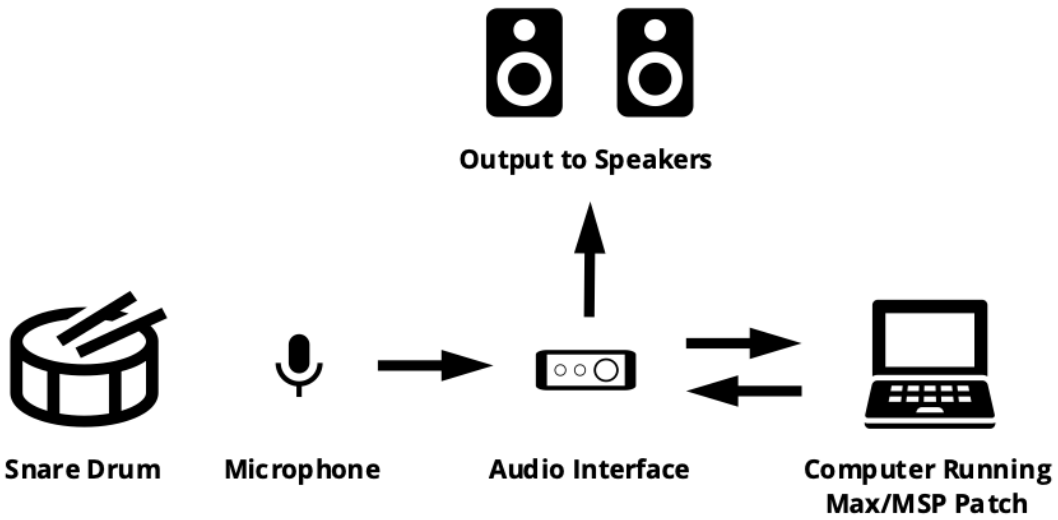
Program Notes

I/O for snare drum and reflexive electronics begins with a single two note idea that is developed and transformed over the duration of the piece. This idea is developed differently depending on whether the snares are turned on or off on the drum. When they are on, the character more closely resembles a drum-corps or traditional playing style, and when they are off it becomes improvisational and explosive. The electronics also behave differently depending on whether the snares are on or off. It is this concept of duality that is expressed throughout the work, held together by a single short melodic idea.

Technical Notes

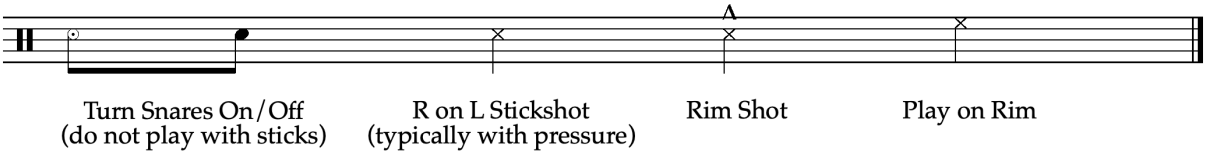
I/O uses a Max MSP program (or patch) by which to process and transform the audio. The patch contains instructions on how to set up, operate, rehearse, and finally perform the piece. Please email me for the patch after purchasing, or if you have any questions directly at austinalexanderfranklin12@gmail.com. As for the technical requirements and equipment set up, please use the following configuration:



Performance notes

There are no controllers or triggers for the electronics. Instead, the sound is processed using live input from the microphone only, so the performance will vary depending on the snare drum used and other musical factors. The resulting sound is not notated in the score since it will sound different for repeat performances. However, the musical parameters and their general effects on the input are determined primarily by whether the snares on the drum are on or off. When off, the electronic sounds should generally be much more chaotic. The patch contains a display that shows whether the patch has detected whether the snares are on or off.

The following notation is used throughout the piece:



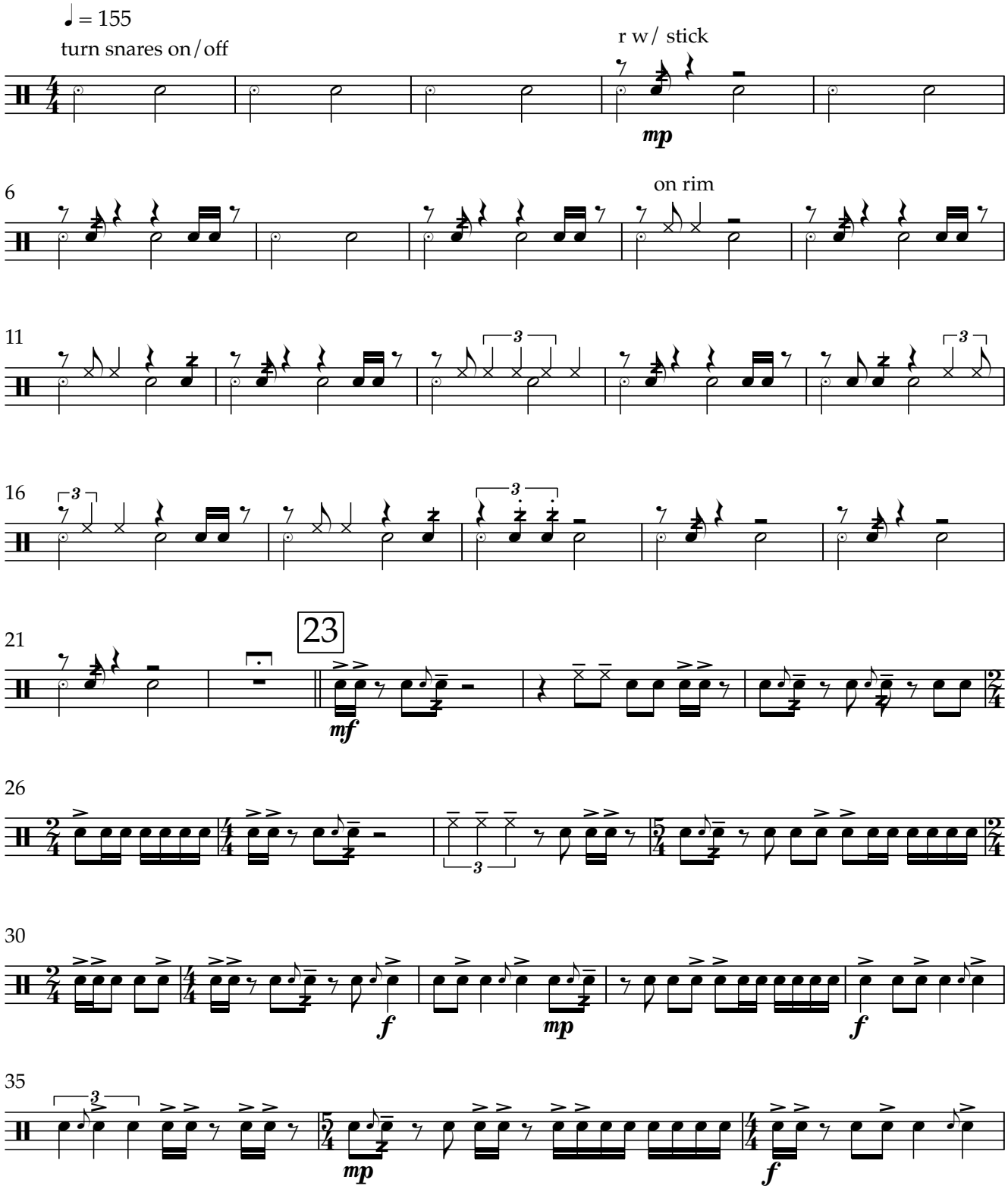
I/O was commissioned by Micheal Barnes

Duration: ca. 6'00"

I/O

for solo snare drum and reflexive electronics

Austin Franklin



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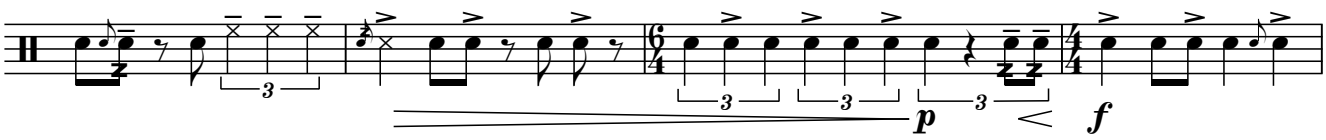

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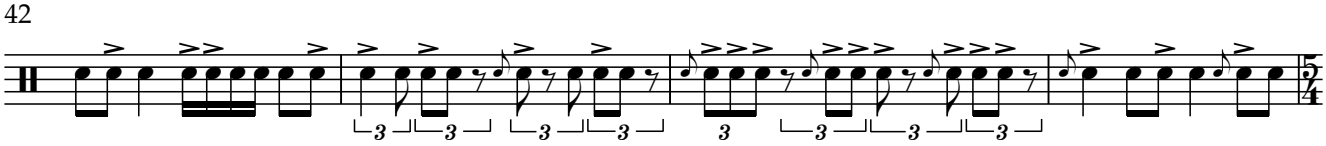

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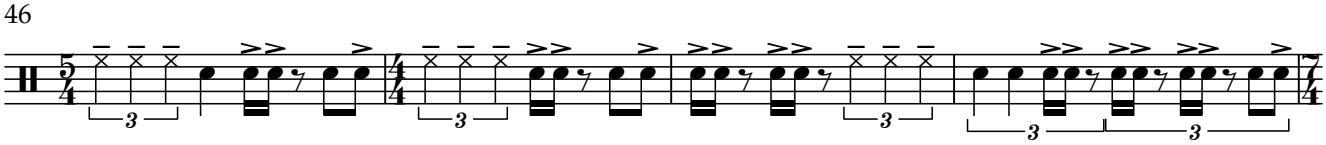

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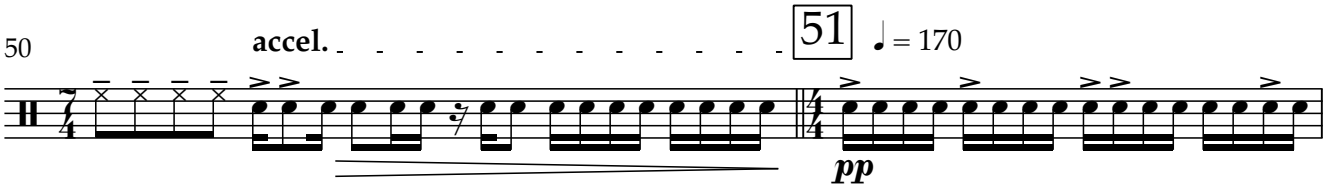

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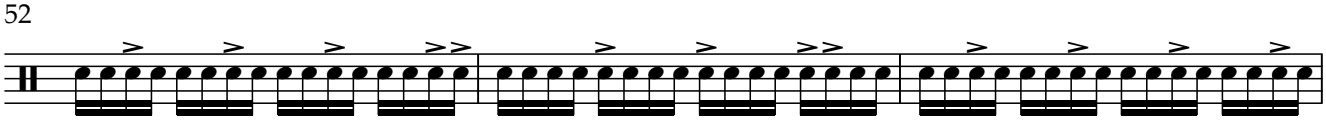

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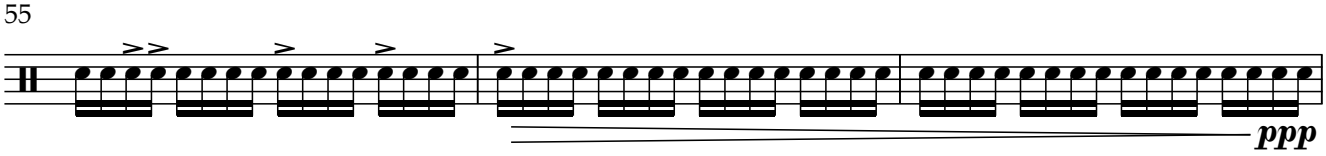

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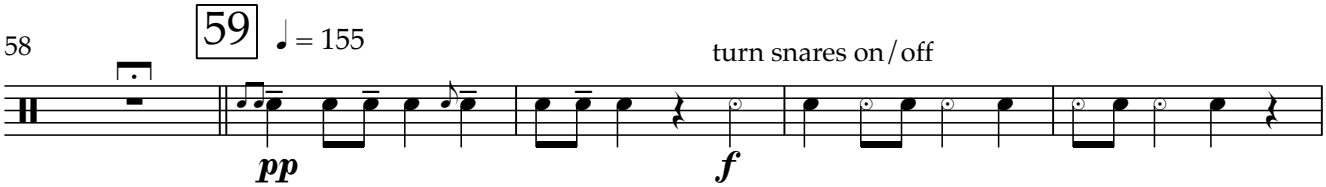
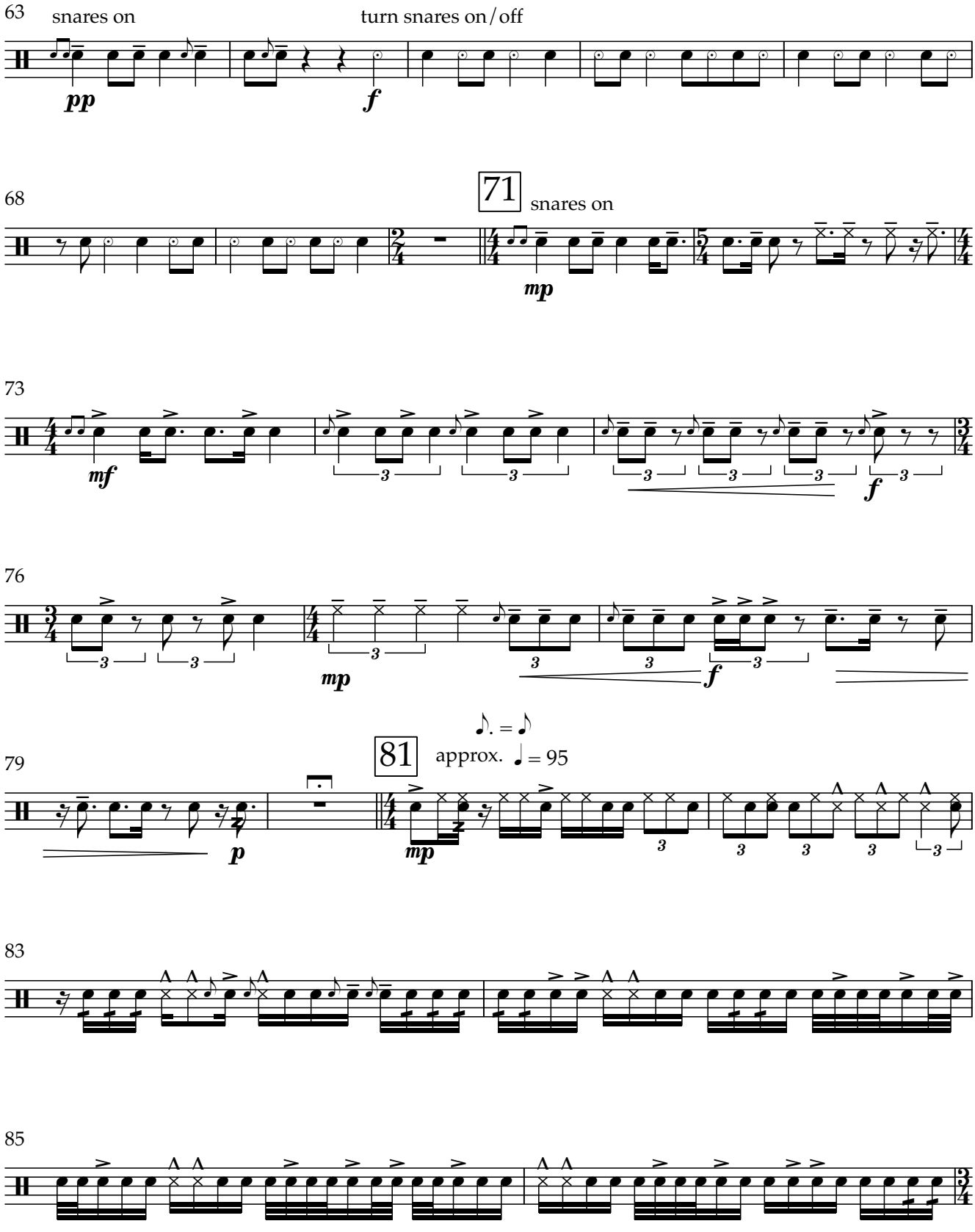
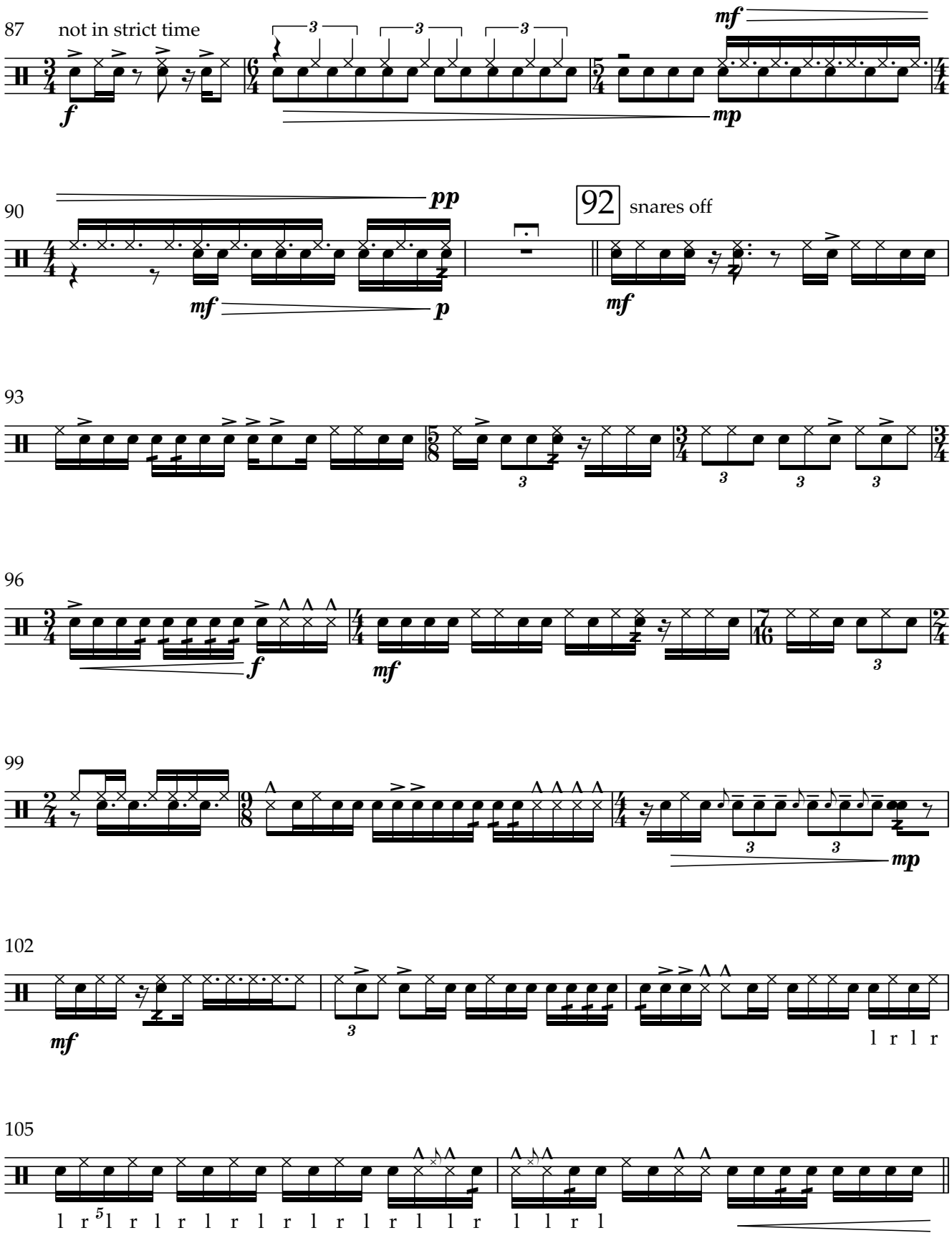
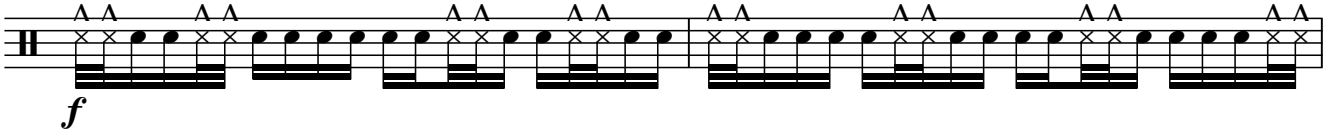



63
snares on
turn snares on/off
pp
f
68
71
snares on
mp
73
mf
f
76
mp
f
79
81
approx. ♩ = 95
p
mp
83
85


87
not in strict time
f
mp
mf
90
pp
mf
p
92
snares off
mf
93
96
f
mf
99
mp
102
mf
l r l r
105
l r 5 l r l r l r l r l r l r l r l l r l l r l

107



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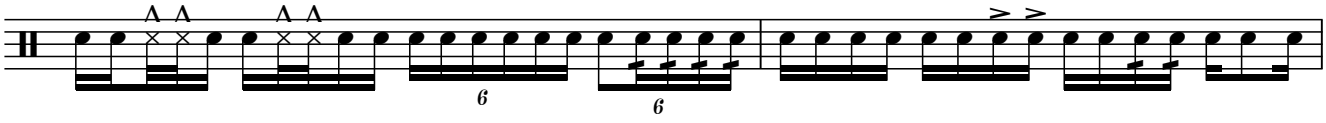

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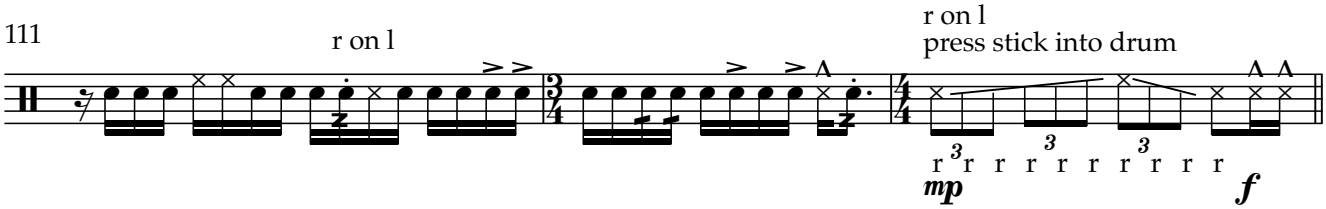

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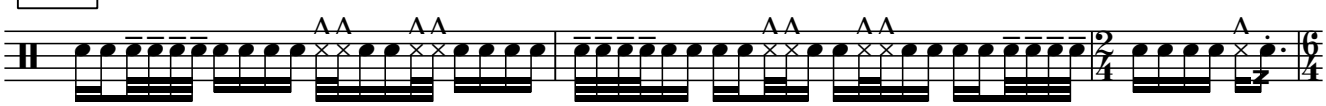

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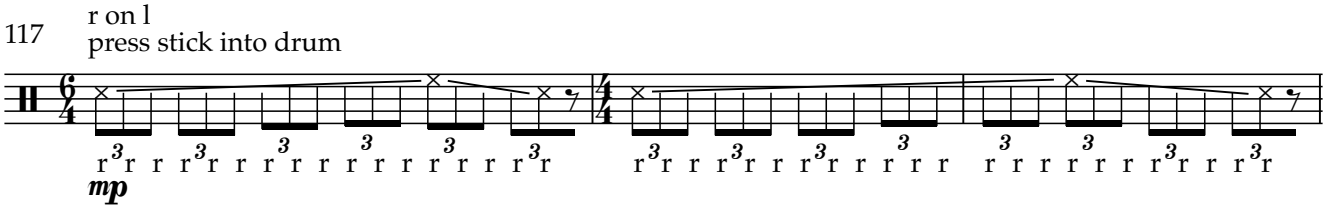

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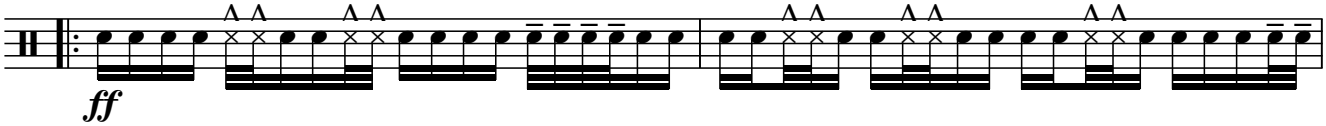

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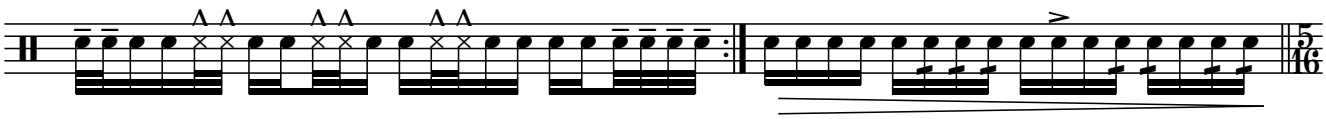

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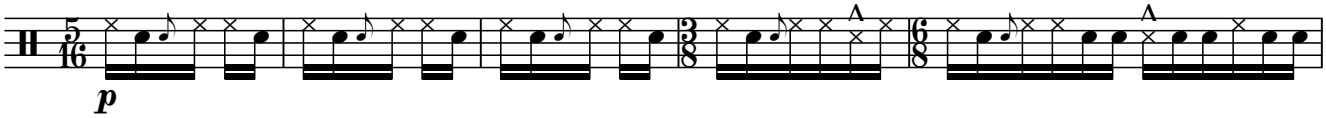

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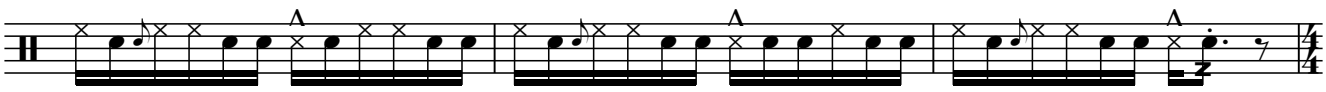

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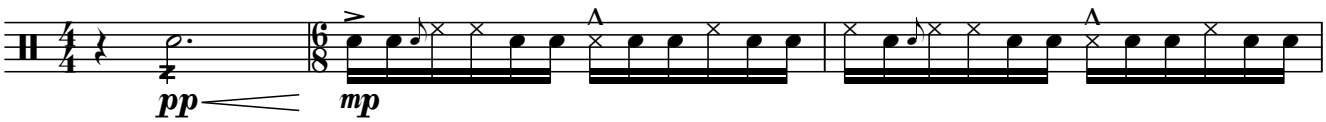

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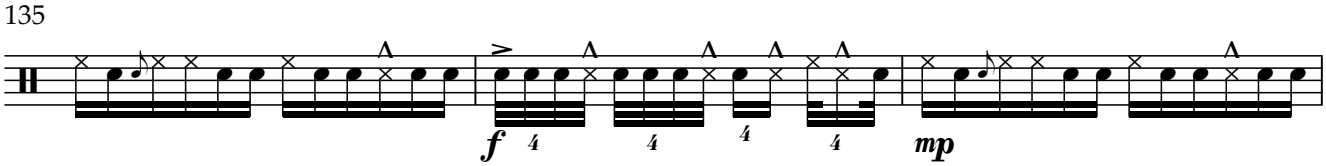

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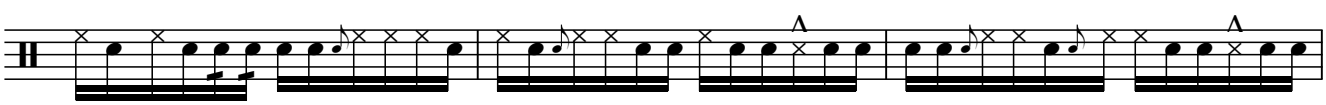

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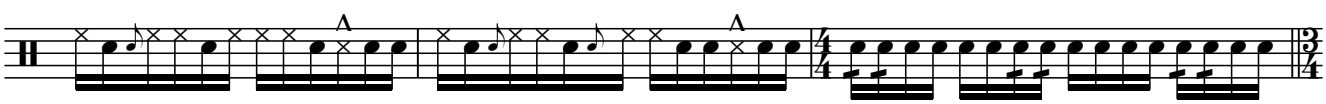

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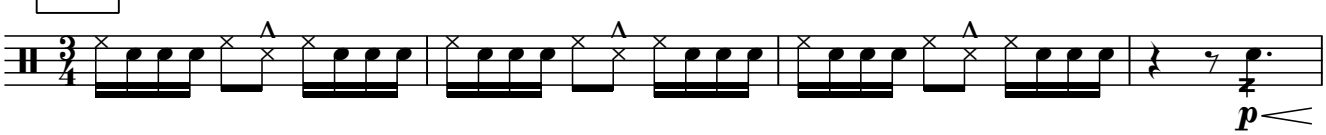

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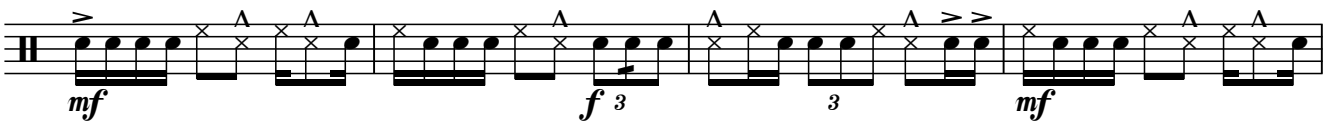

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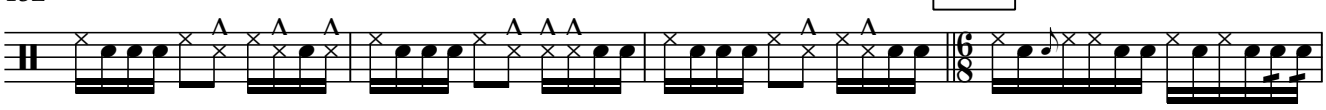

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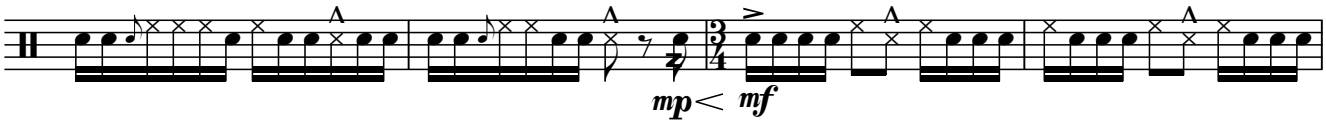

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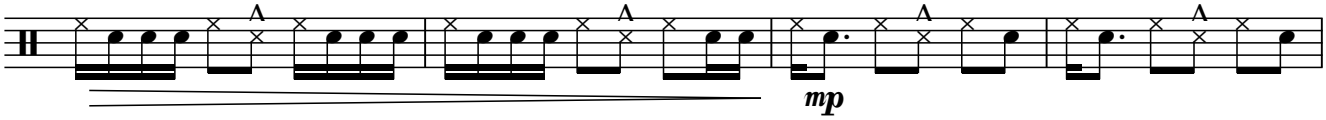

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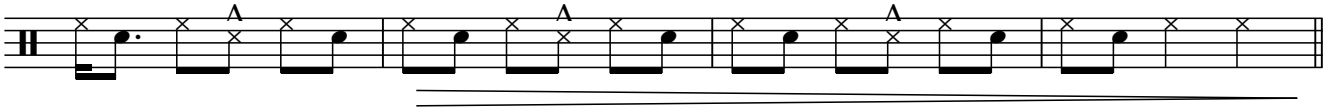
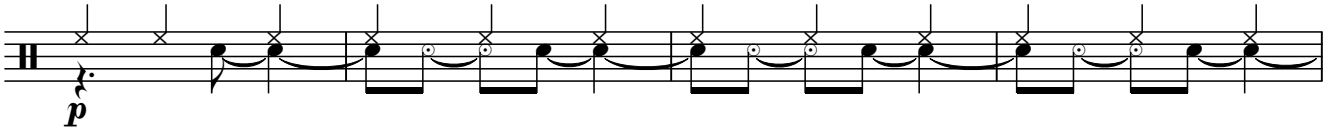


168

turn snares on/off



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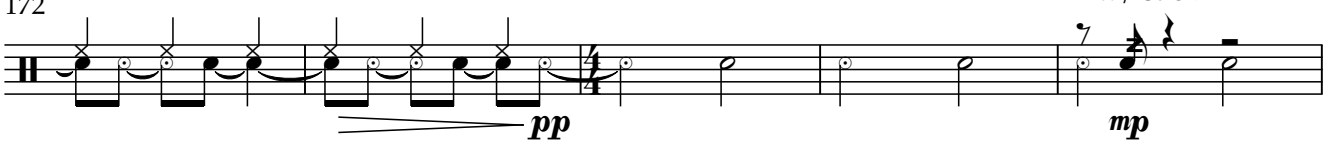
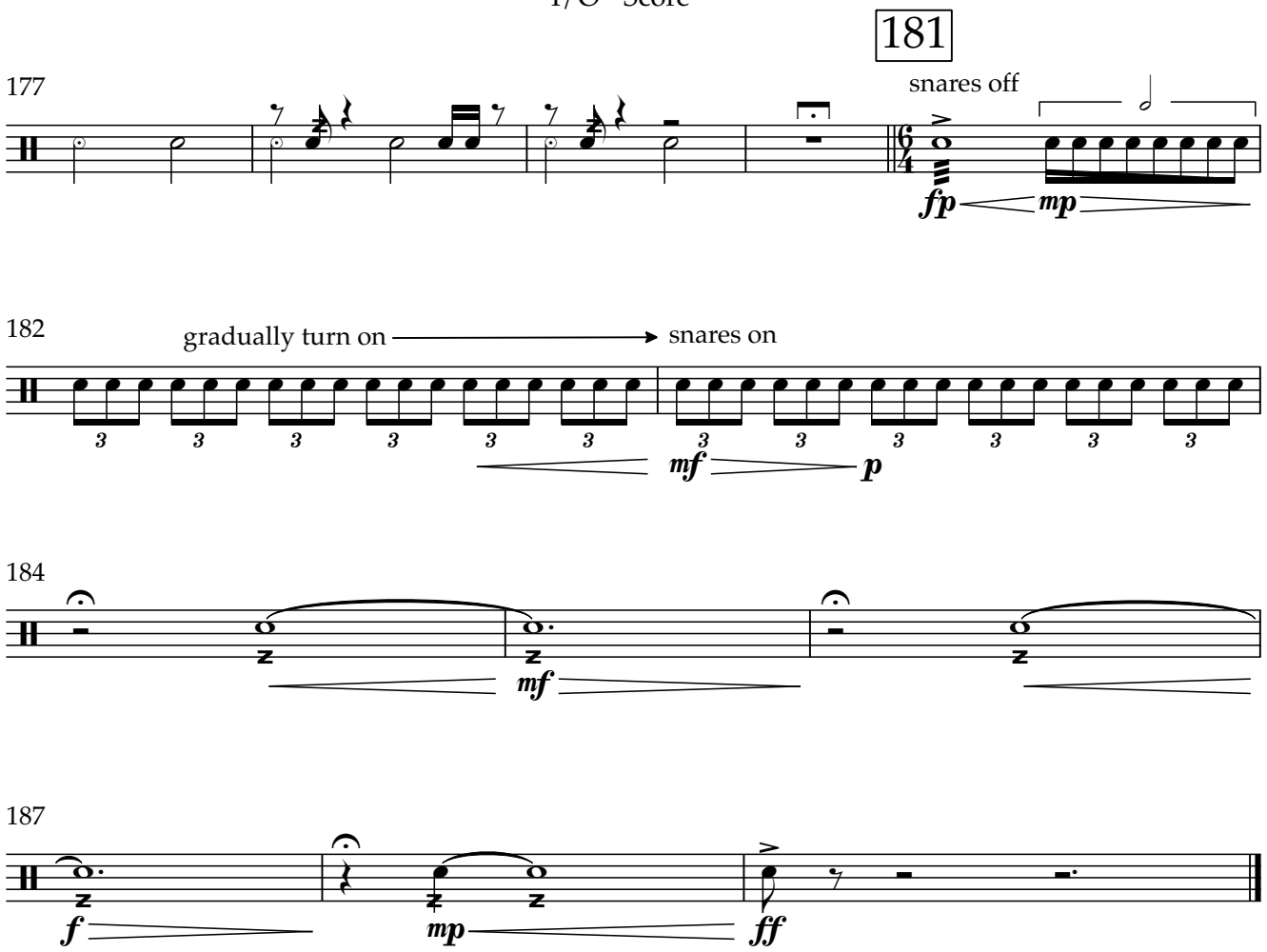
r w/ stick

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177
snares off
fp
mp
182
gradually turn on
snares on
mf
p
184
mf
187
f
mp
ff