Reflections

for cello and electronics

2014 (Cello version 2019)

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Amos Elkana

Performance notes

The structure of this piece is based on a complex series of numbers. In order to maintain the integrity of the structure, dashed bar lines were added to show were sections begin and end. However, to make the score easier to read, it is written in common time.

Notes and technical rider

- Microphone attached to the cello (close microphone or pick-up)
- Headphones for the player (for the click track)
- Computer running the latest version of Pure Data
- Sound card with min. 5 out channels
- 4 amplified speakers connected to 4 Independent audio channels (or through mixer)
- The electronics were made with the free program Pure Data (PD).
- PD is available for download here: http://puredata.info/downloads
- The patch was made using "Purr Data" which is basically the same: https://github.com/agraef/purr-data/releases
- The PD patch which is necessary for this work is available from the composer or publisher upon request.
- Process: The computer records the cello in real-time and plays back through the 4 speakers. The computer also produces a click-track on a separate channel which only the player hears through headphones.
- Balance: The live instrument and the 4 speakers should have the same volume.
- Speaker placement: The 4 speakers should be placed on both sides of the player - 2 on each side.
- Speakers 1 and 3 on one side and speakers 2 and 4 on the other side.
- Microphone: The player's microphone should pick up only the sound from the instrument and not from the speakers.
- Click-track: Set the volume of the click so that the player can hear it at all times and feels comfortable with it.

Duration: c. 9'

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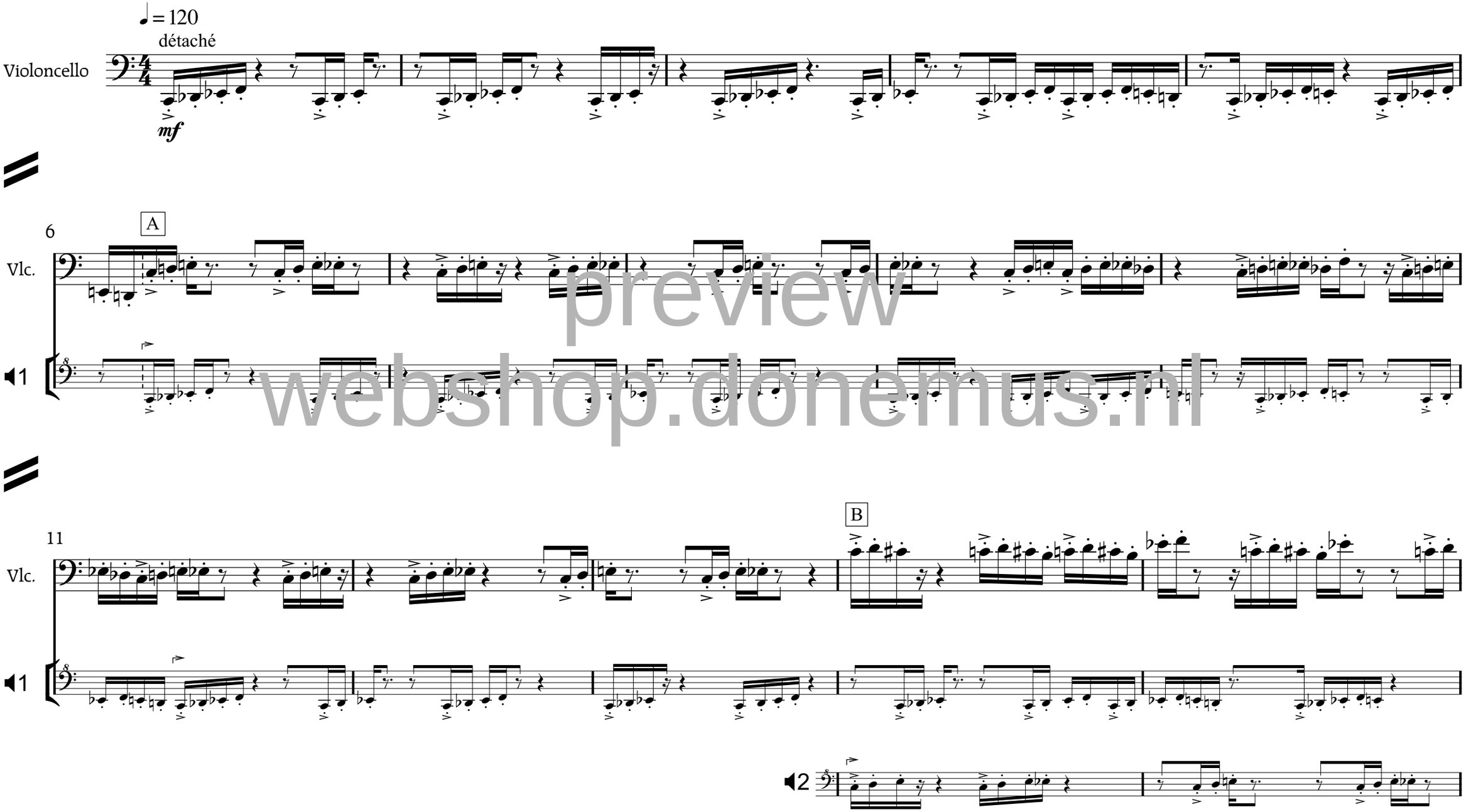

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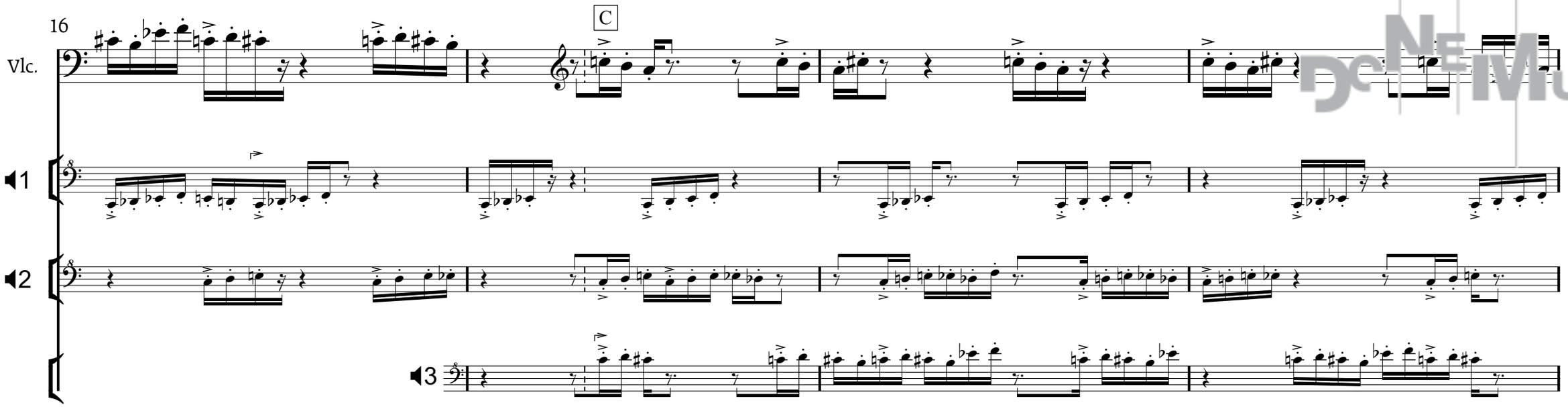

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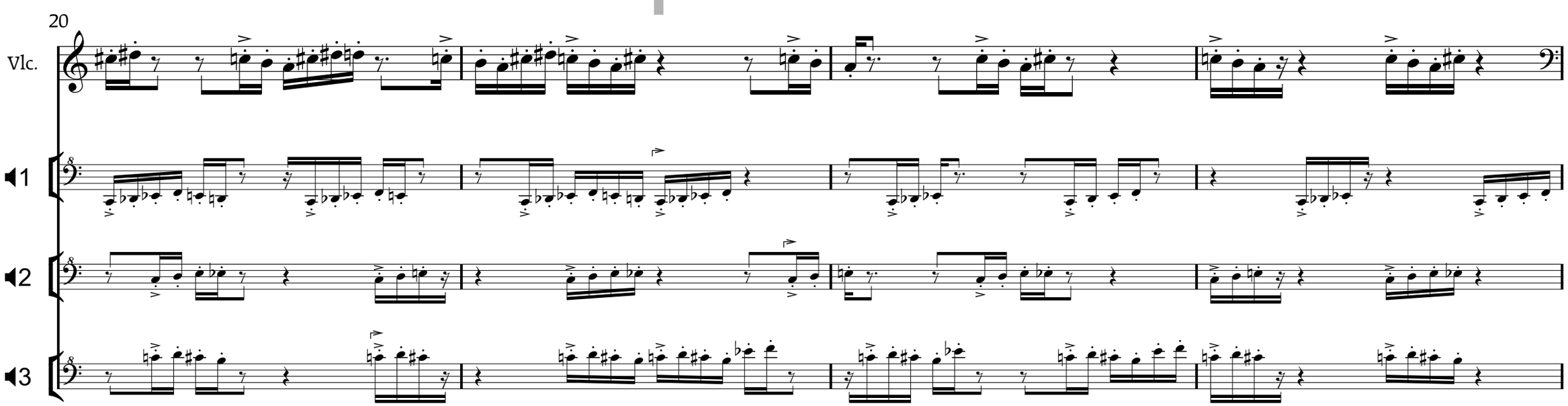

24

D

pizz.

Vlc.

f

1

2

3

4A

28

E

Vlc.

1

1

2

3

4A

preview
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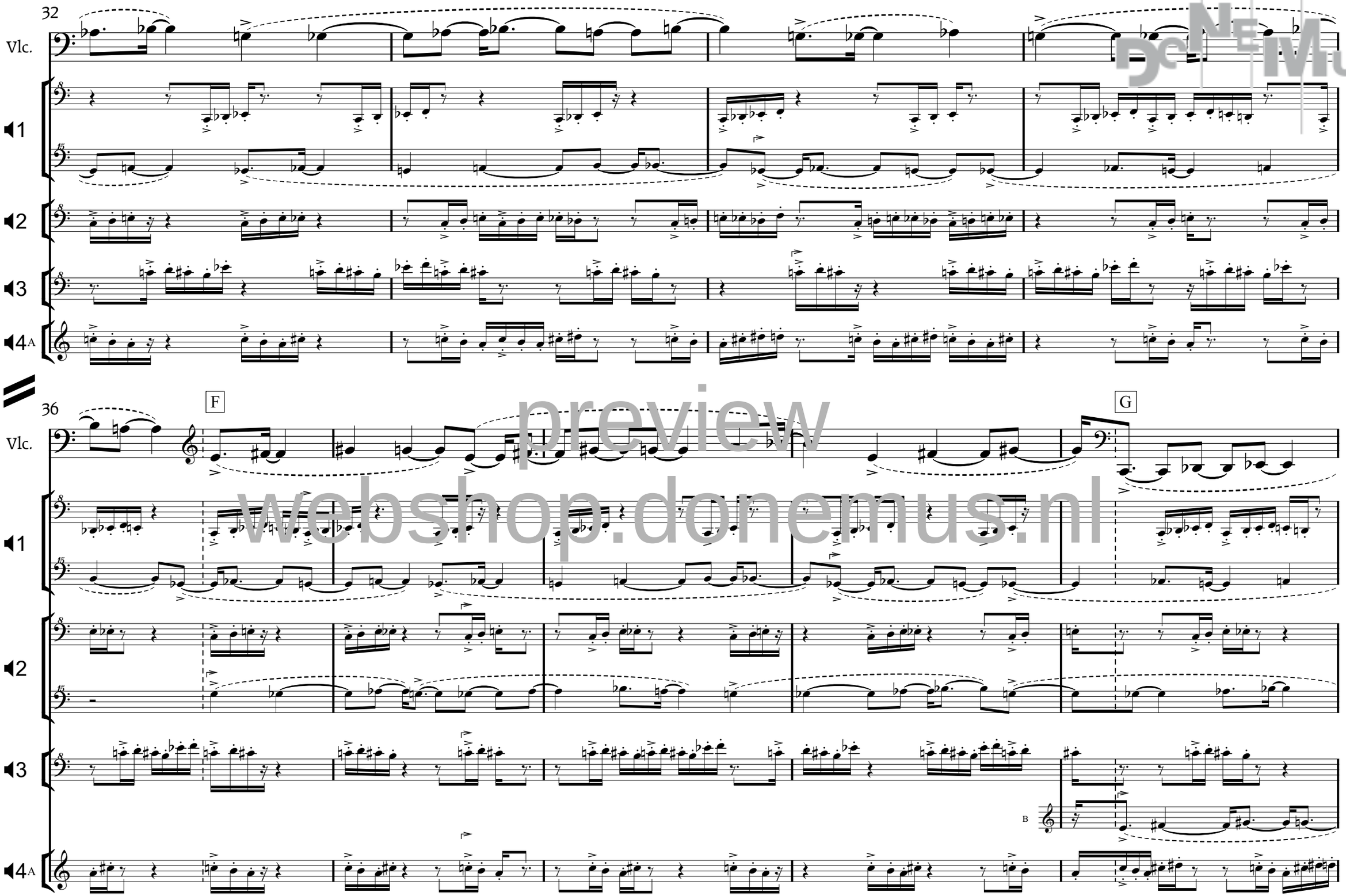

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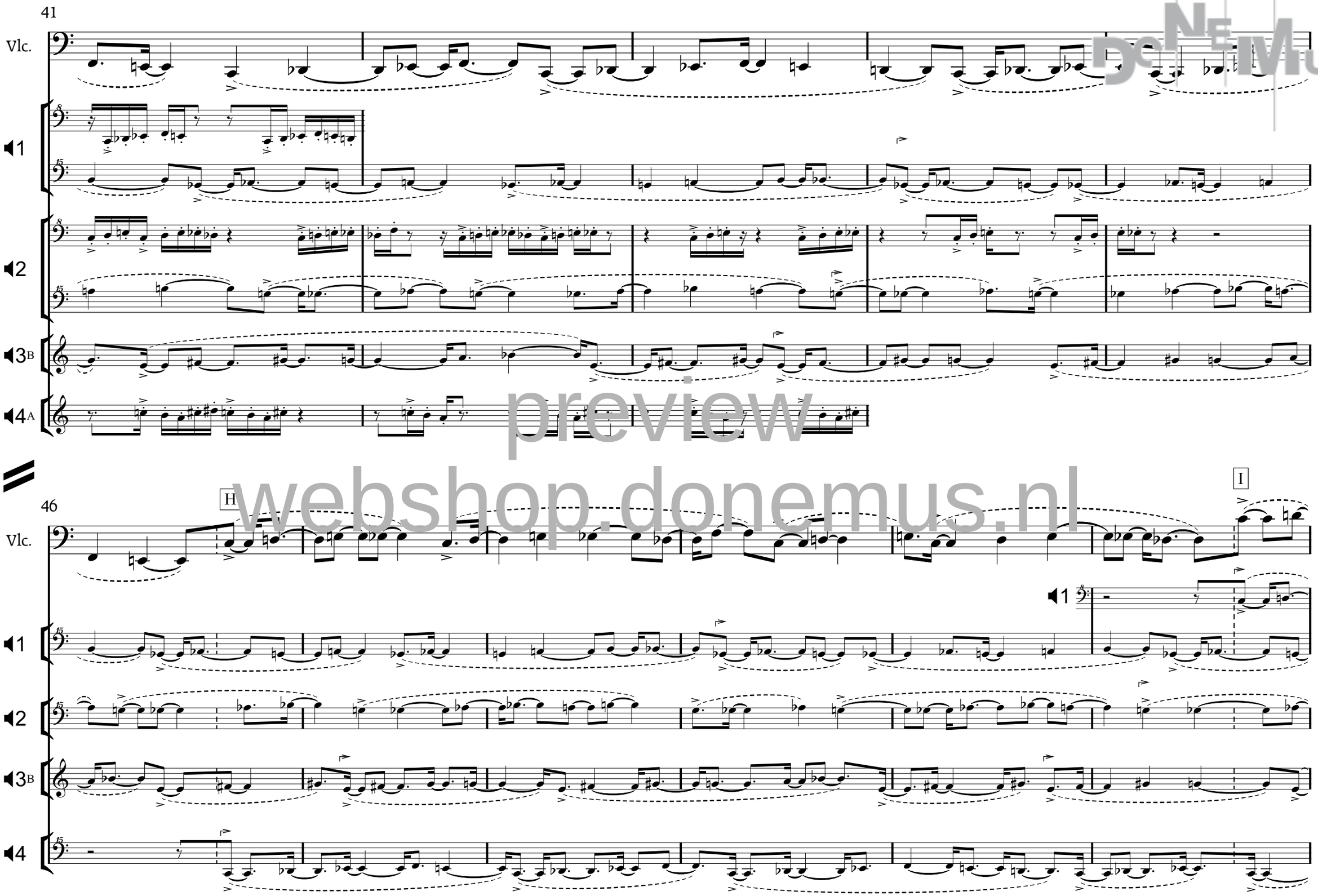

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64

Vlc.

1

2

3B

4

69

L

Vlc.

1

2

3B

4

preview
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74

M

Vlc.

f

1

2

3B

4

preview
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78

Vlc.

2

4