Juhani Nuorvala

Beat Routes

(3.75 to the Floor)

for four percussions

1999 - 2000

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SOLOIST / ELECTRIC DRUMS

Yamaha DTX system:
MIDI drum pads and pedals plus the DTX central unit
controlling
- the Yamaha DTX sound module
- an electronic drum sound module (Novation Drumstation).
- an additional synthesizer (Korg Prophecy)

There is no tape.

The soloist plays the music on the stave marked 'Dr'. Both sounds of the Yamaha DTX sound module and Novation Drumstation are used in the soloist's part. In bars 215-258 the soloist also plays the bass synth with drum pads (see below).

70 MIDI patterns (loops) are pre-programmed into the sequencer of the DTX instrument. The soloist starts and changes the patterns while playing, using a pedal or a pad. Each boxed letter+number (A1, A2, K3, etc.) marks a change of pattern.

In addition to the drum patterns marked in the score with 'P', the synthesizer patterns ('S') are pre-programmed, with the exception of bars 215-258.
The synthesizer patterns in G1, G2, G3, H1, H2, H4 and H5 are played by the soloist using two drum pads. The notes are pre-programmed to a each pad, so that the each hit advances the note sequence by one step.

Analogue-type, sharp bass sounds are used in the S part (Kog Prophecy).

Electronic drum sounds are used in the patterns: bass drum, snare drum, hand clap, open and closed hihat, cymbals sounds etc. from the Roland TR-808 and TR-909 analogue drum modules. The Novation Drumstation produces these sounds.
Each type of sound is directed to its own channel in the PA mixer.

MIDI MIXER: In B2-B11 the soloist plays wood block sounds with three pads. Each pad is assigned its own wood block sound (low, middle, high) and its own MIDI channel. The MIDI volume of these channels is controlled with a fader box (MIDI mixer). During B1-B11 the TIMPANIST improvises with these faders, producing varying patterns of rests in the soloist's continuous part.

The tuning and distortion of the TR-909 drum sound in the Drumstation are also controlled with MIDI faders. In the CADENZA (N) the timpanist pulls these faders up.

N (Bar 374) - CADENZA
Soloist improvises while the sound technicians use a wide variety of wild effects.

TWO PERCUSSIONISTS

bal, Claves, Snare drum, Tubular bells, Tamtam

TWO SOUND TECHNICIANS / LIVE PROCESSING

Acoustic instruments (with microphones):

Timpani - distortion effect
Tubular bells - chorus effect
Hand claps (real) - compression, reverb, distortion, EQ, in order to imitate the hand clap sound of analogue drum synths

Electric instruments:

Synthesizer ('S') patterns - filter sweeps
Wood block sounds in B - filter sweeps
N = soloist's cadenze - improvised effects

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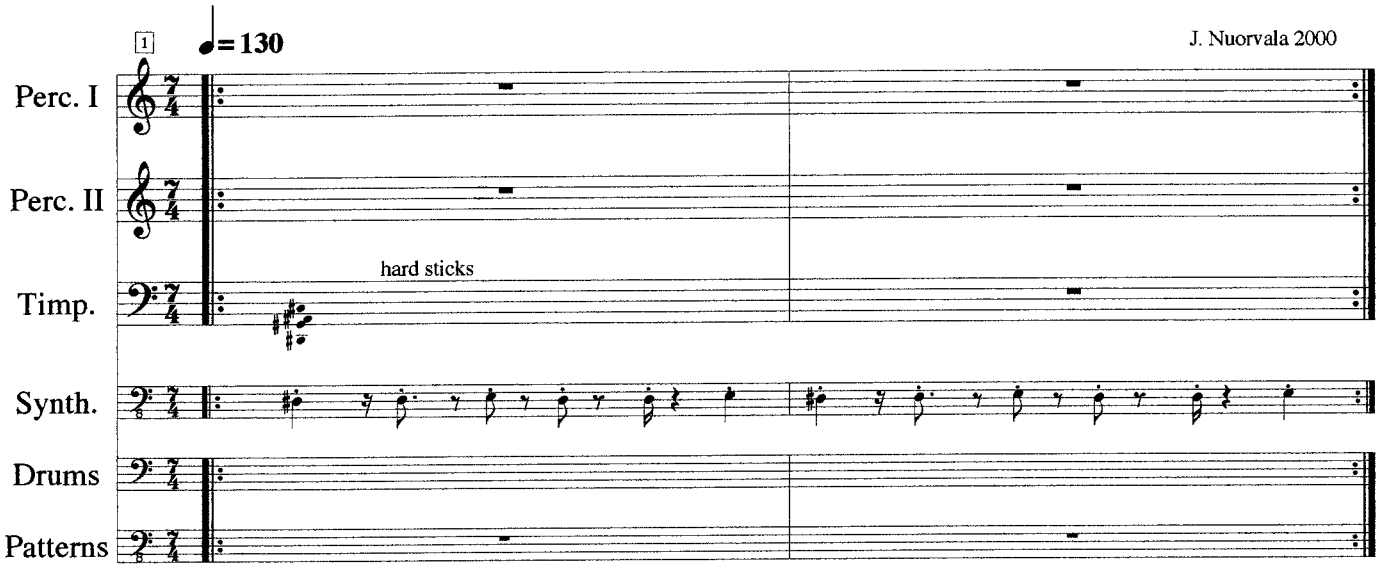

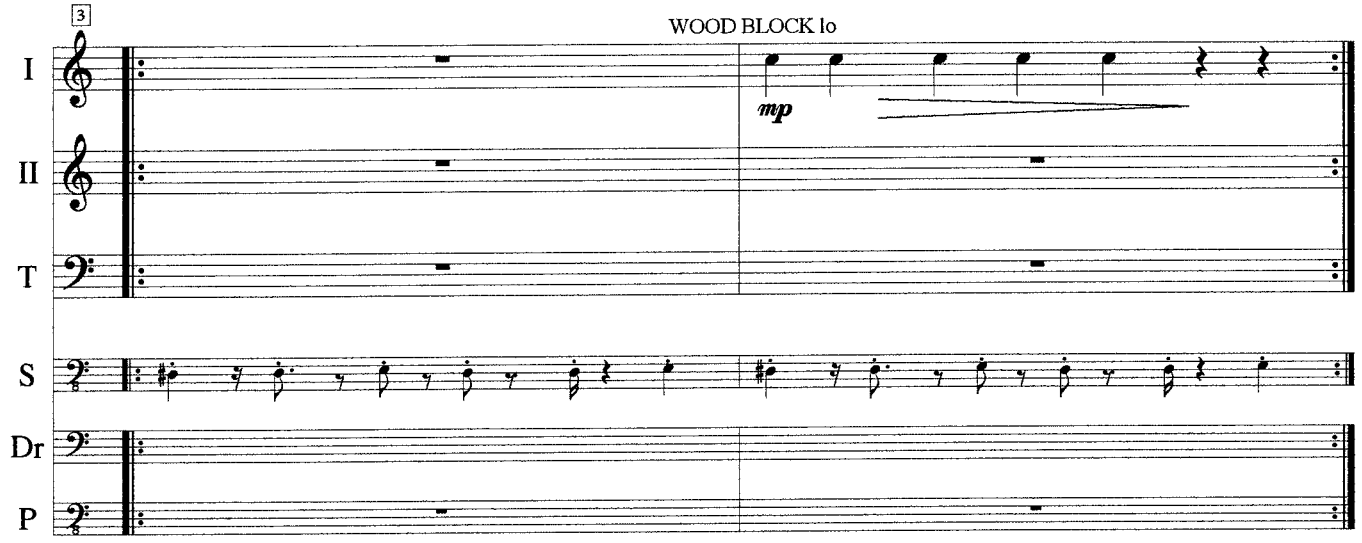

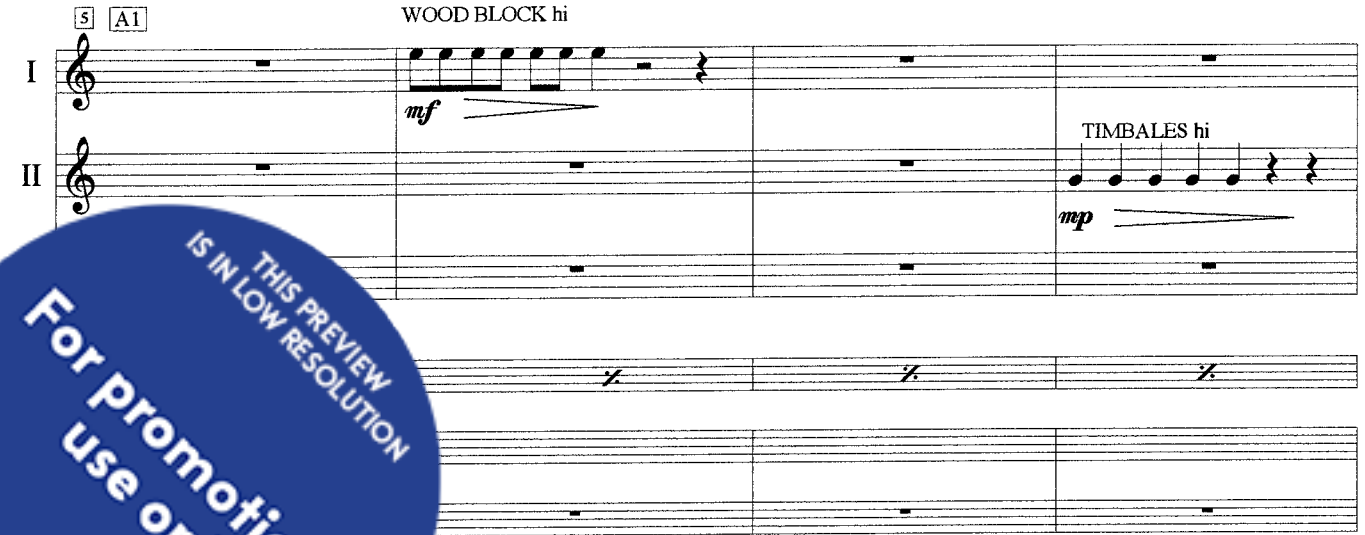

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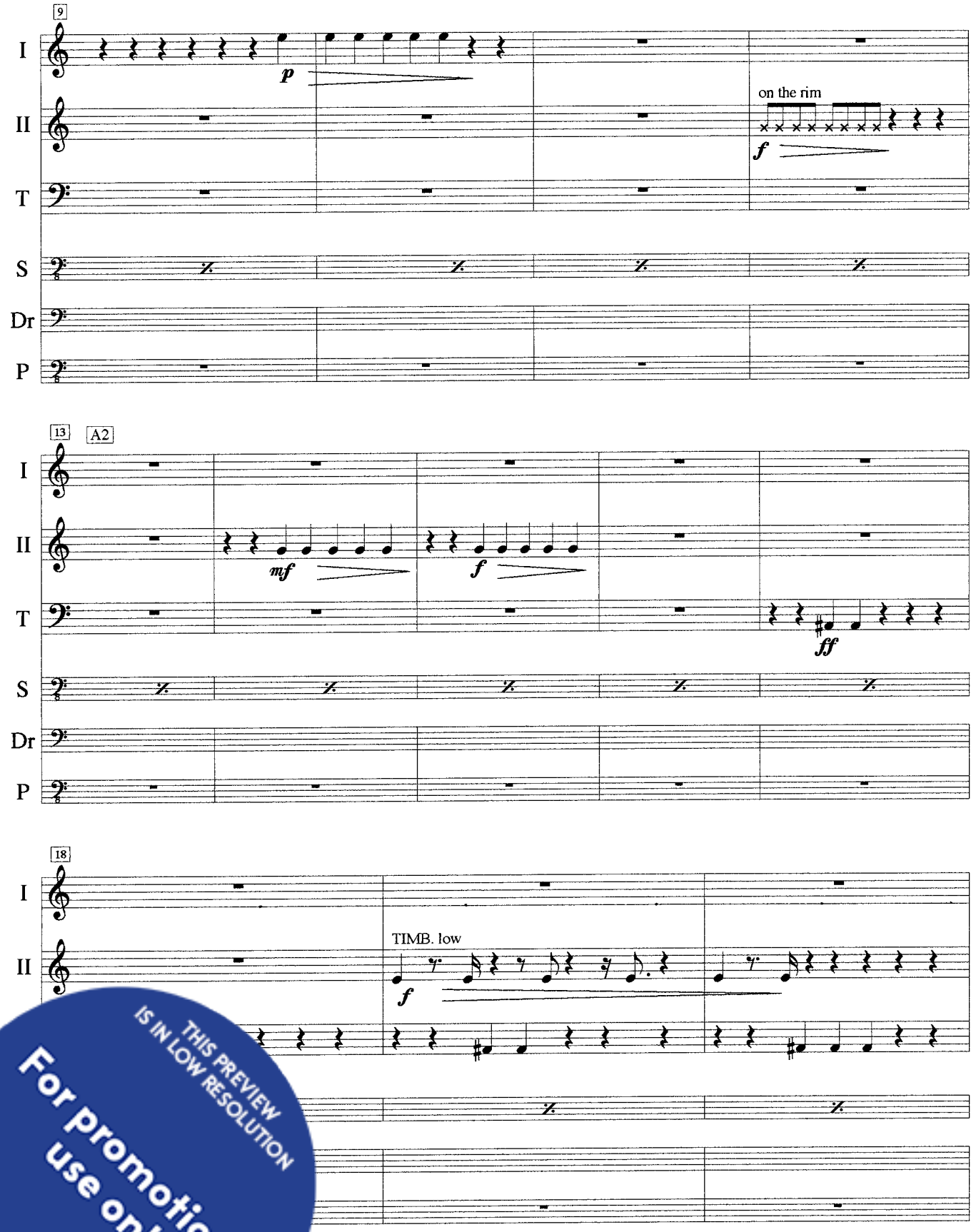

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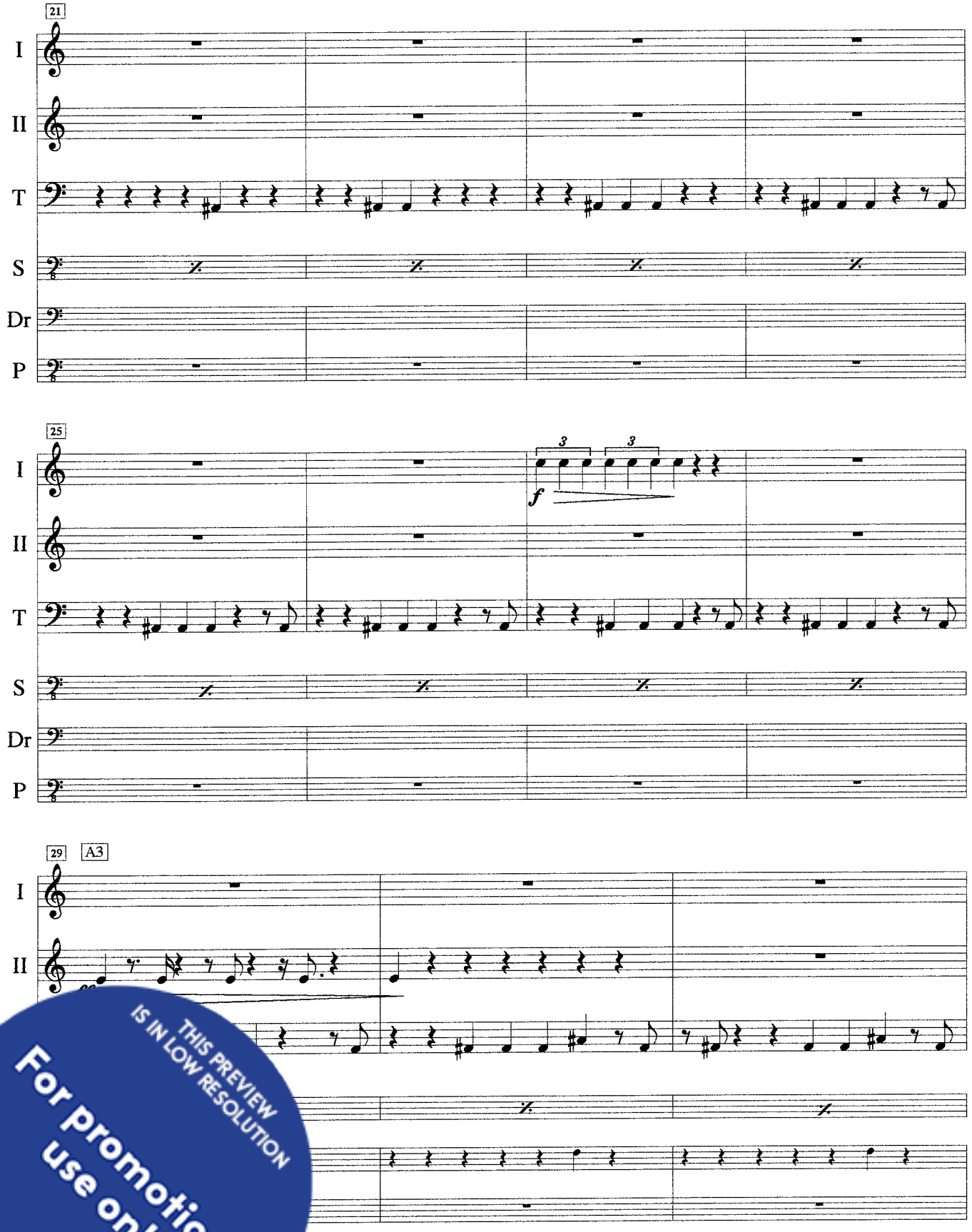

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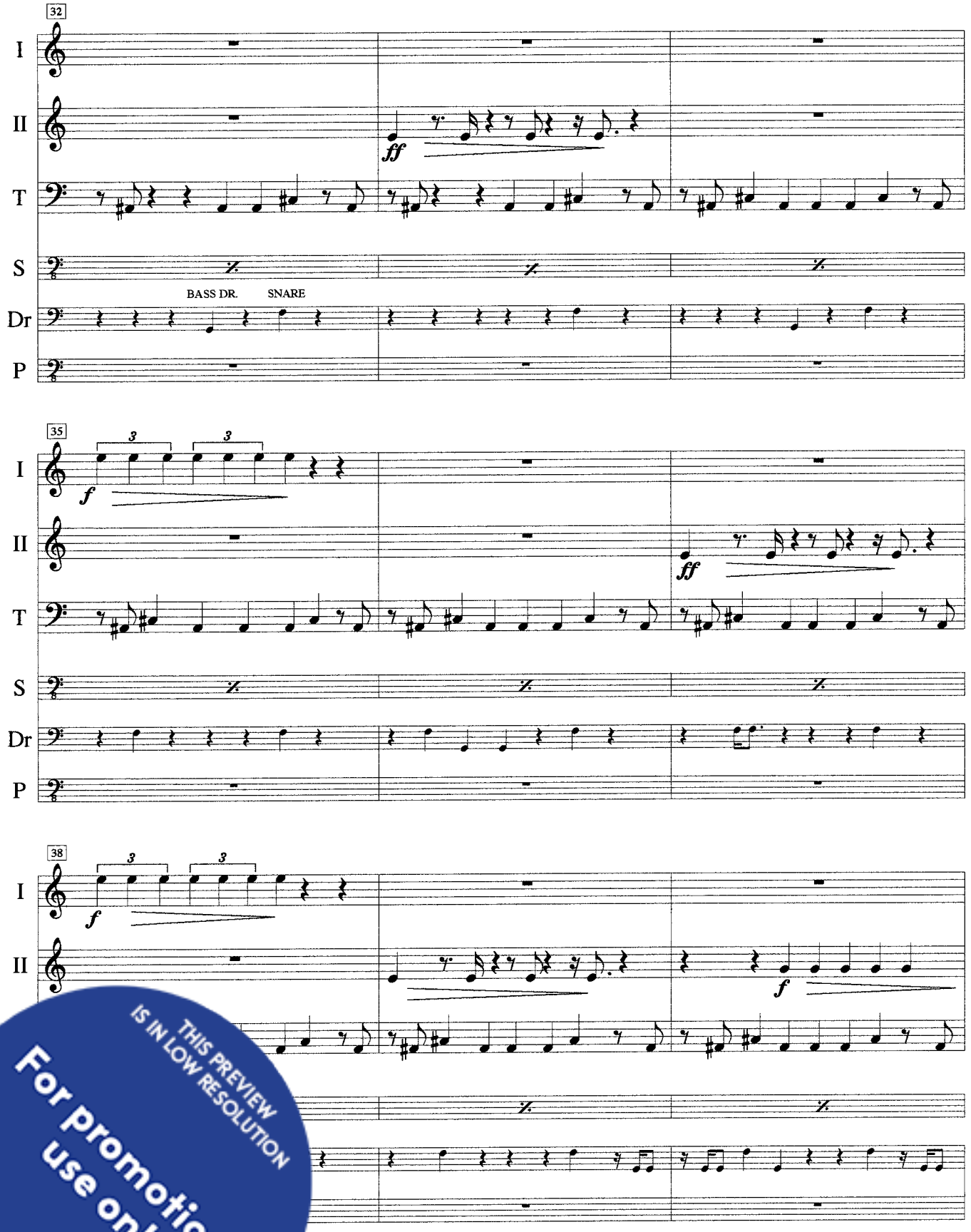

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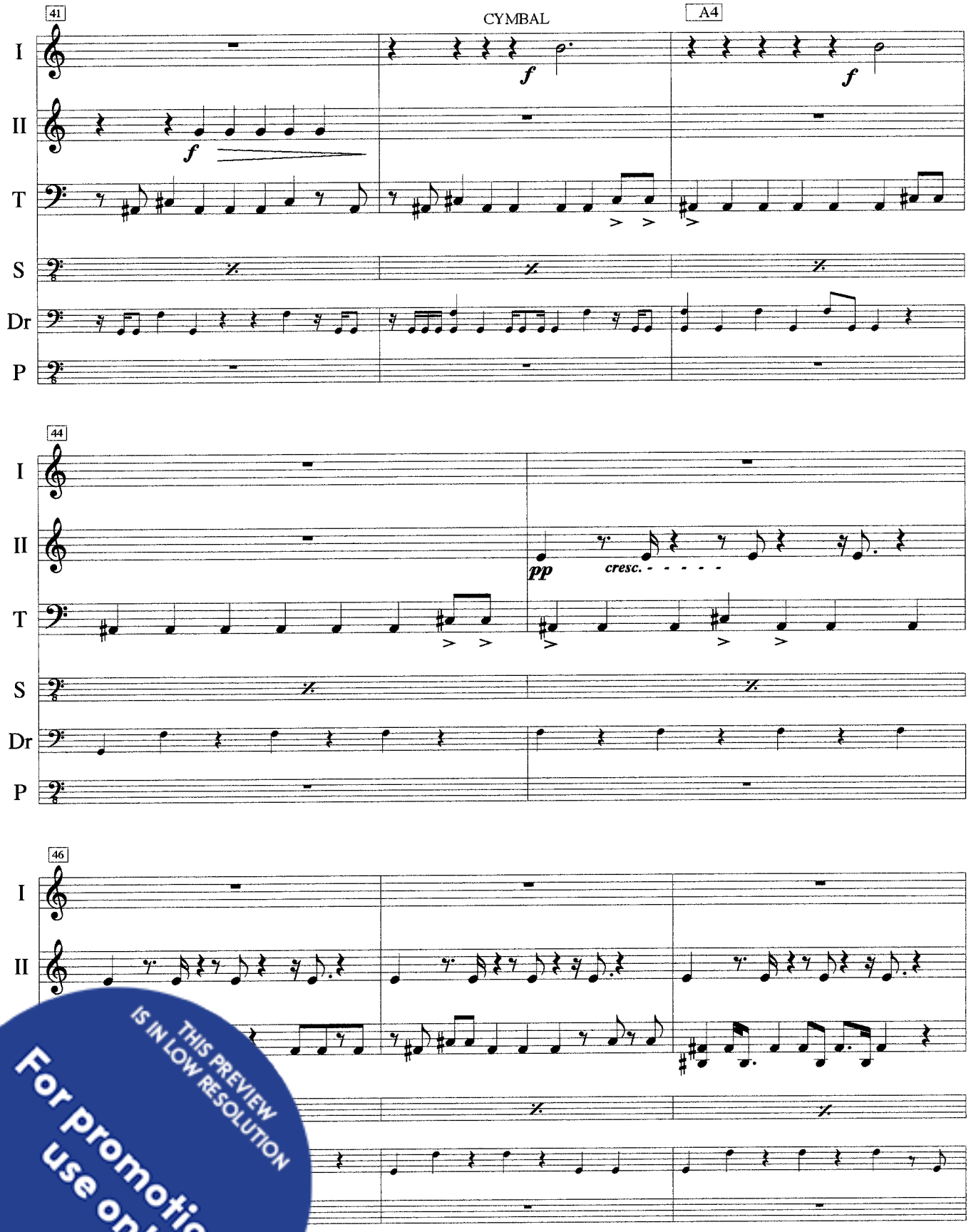

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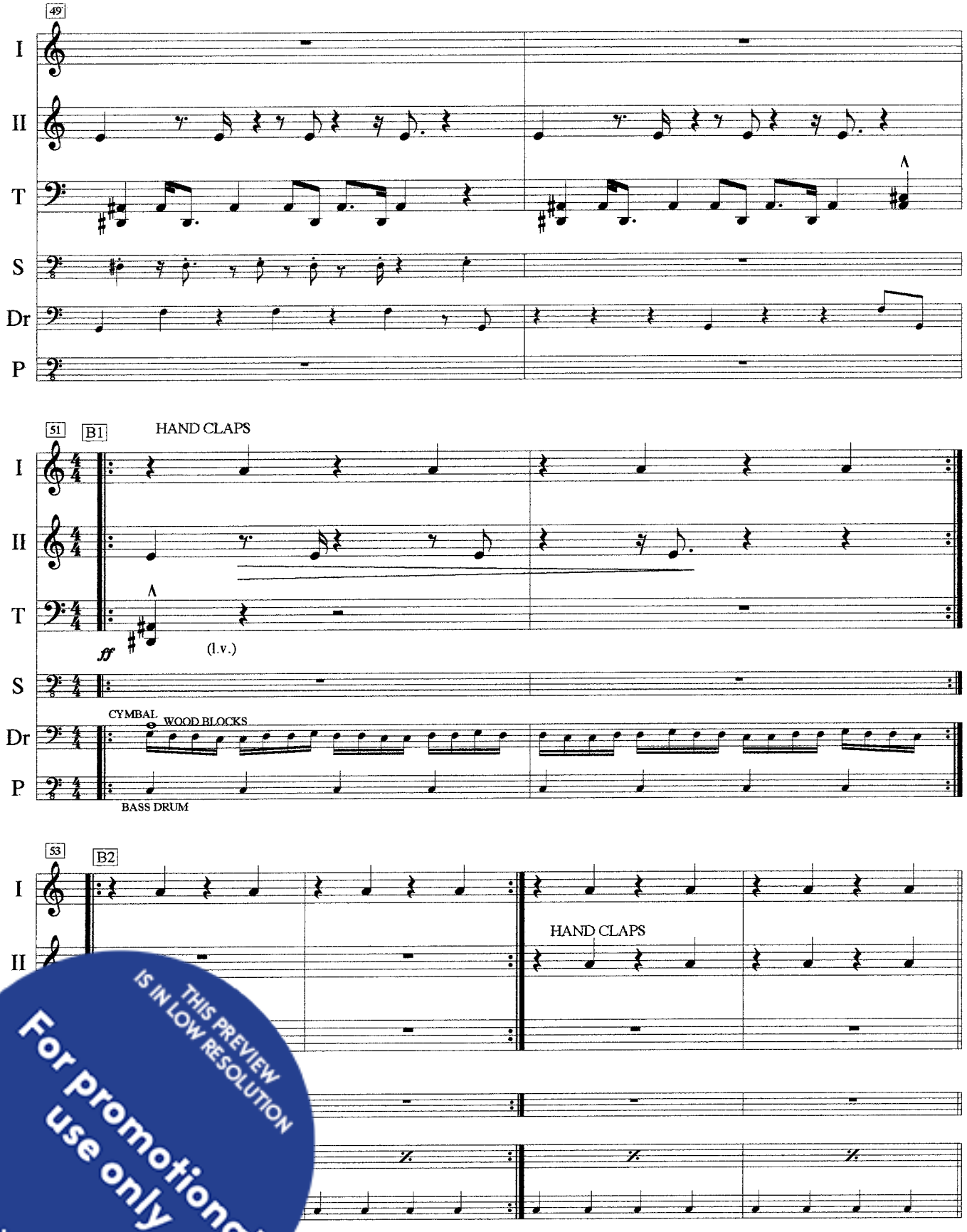

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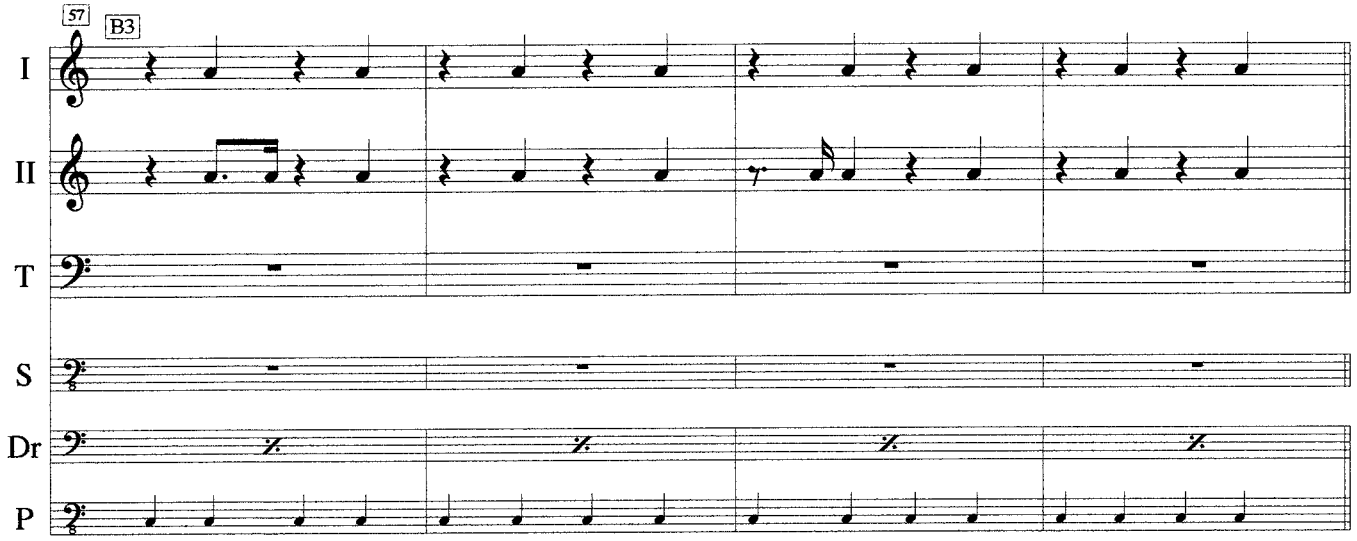

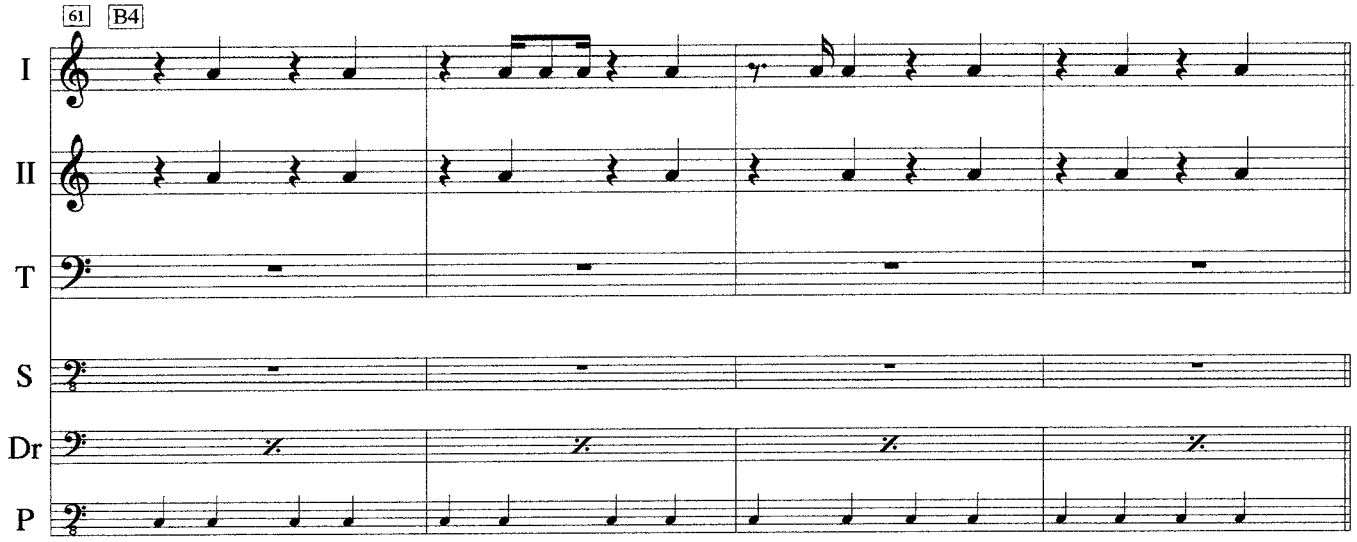

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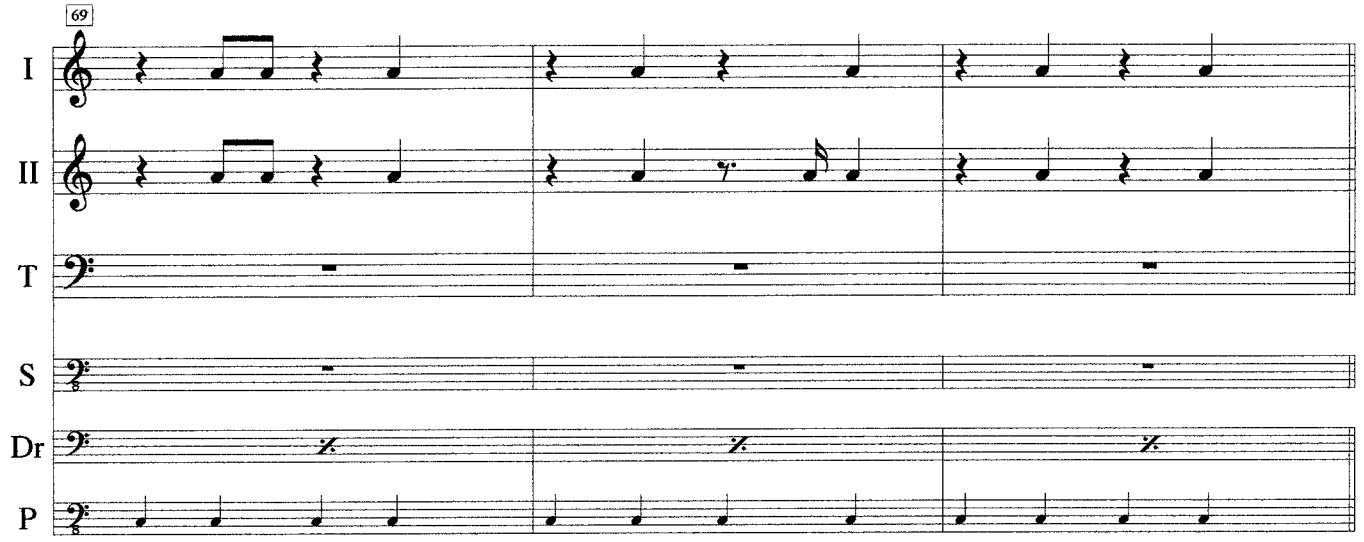

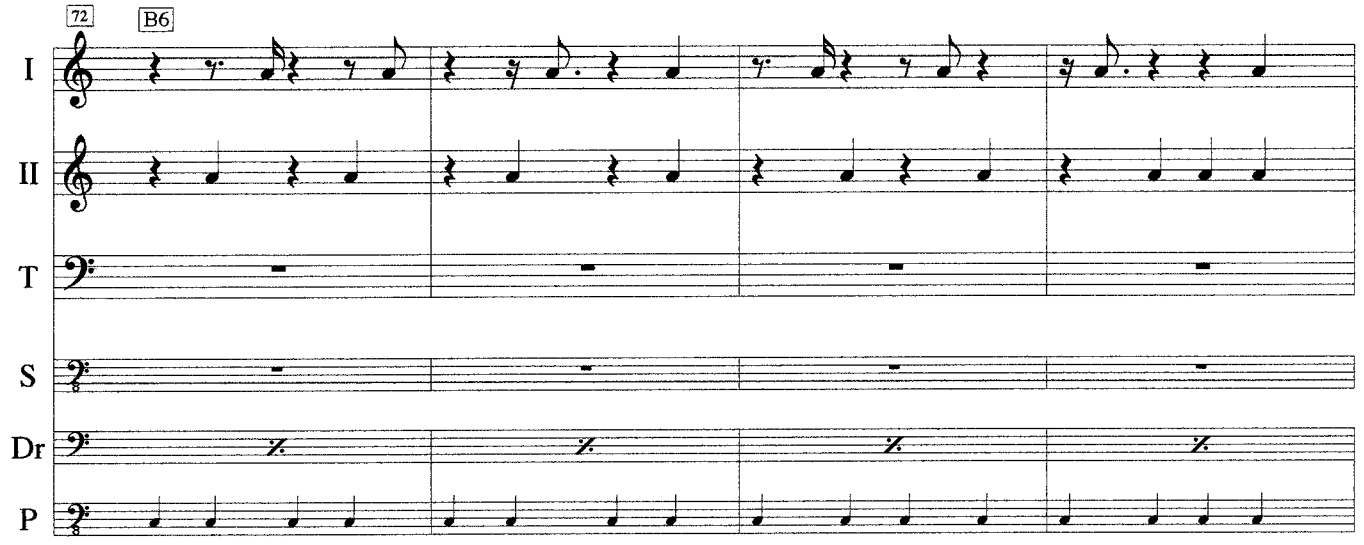

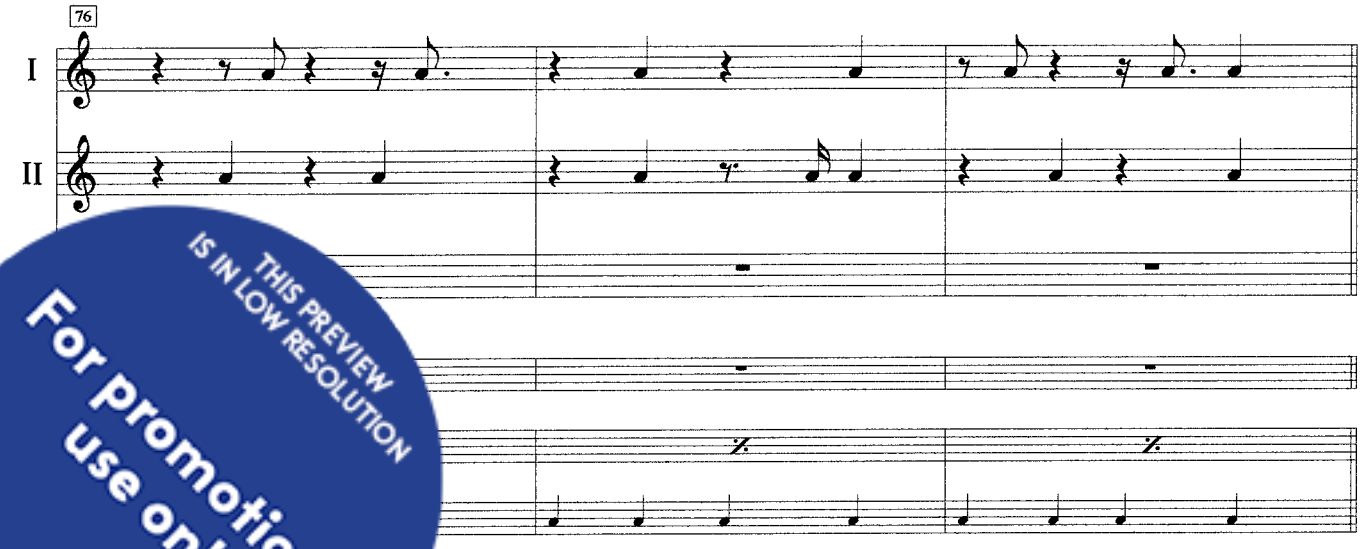

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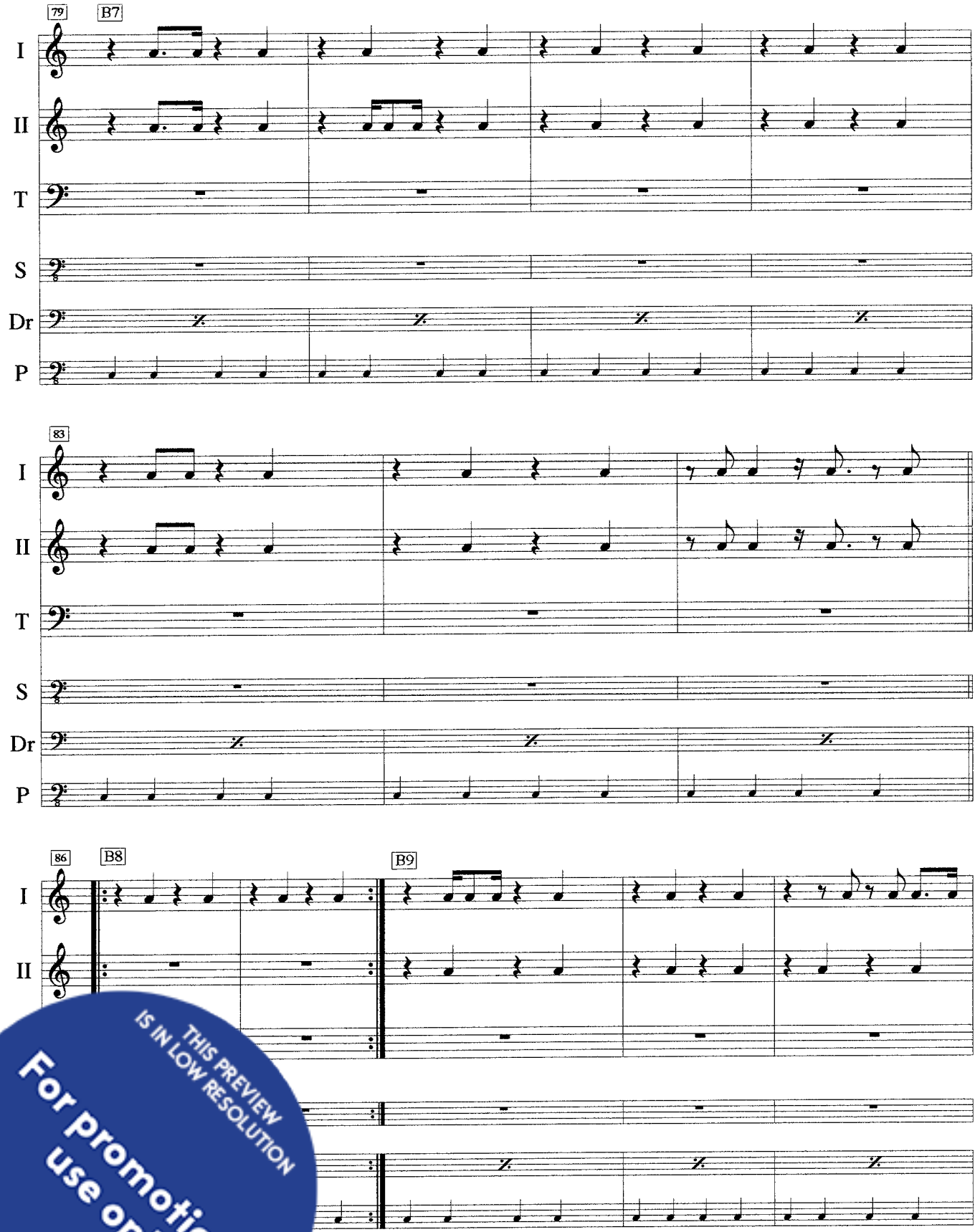

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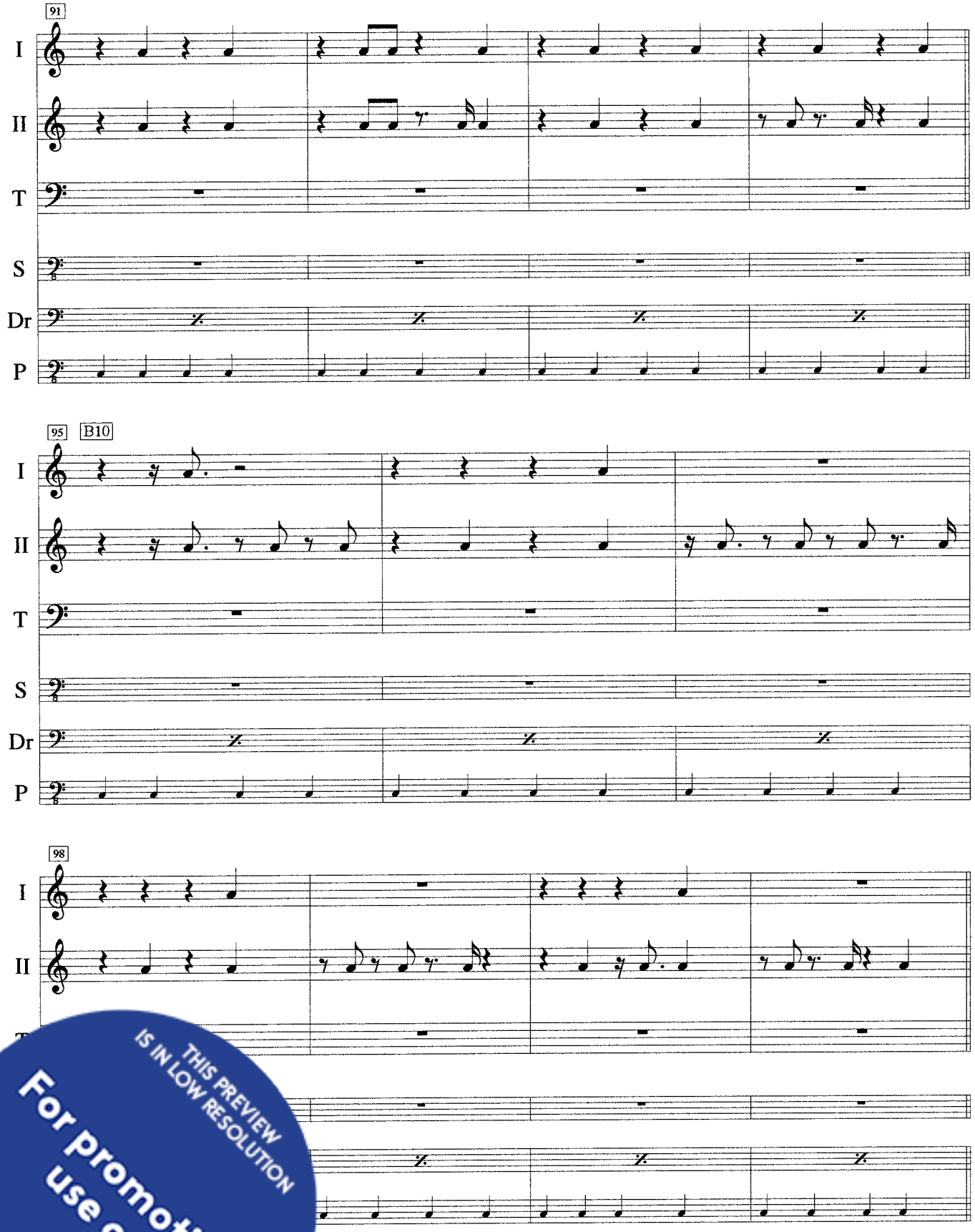

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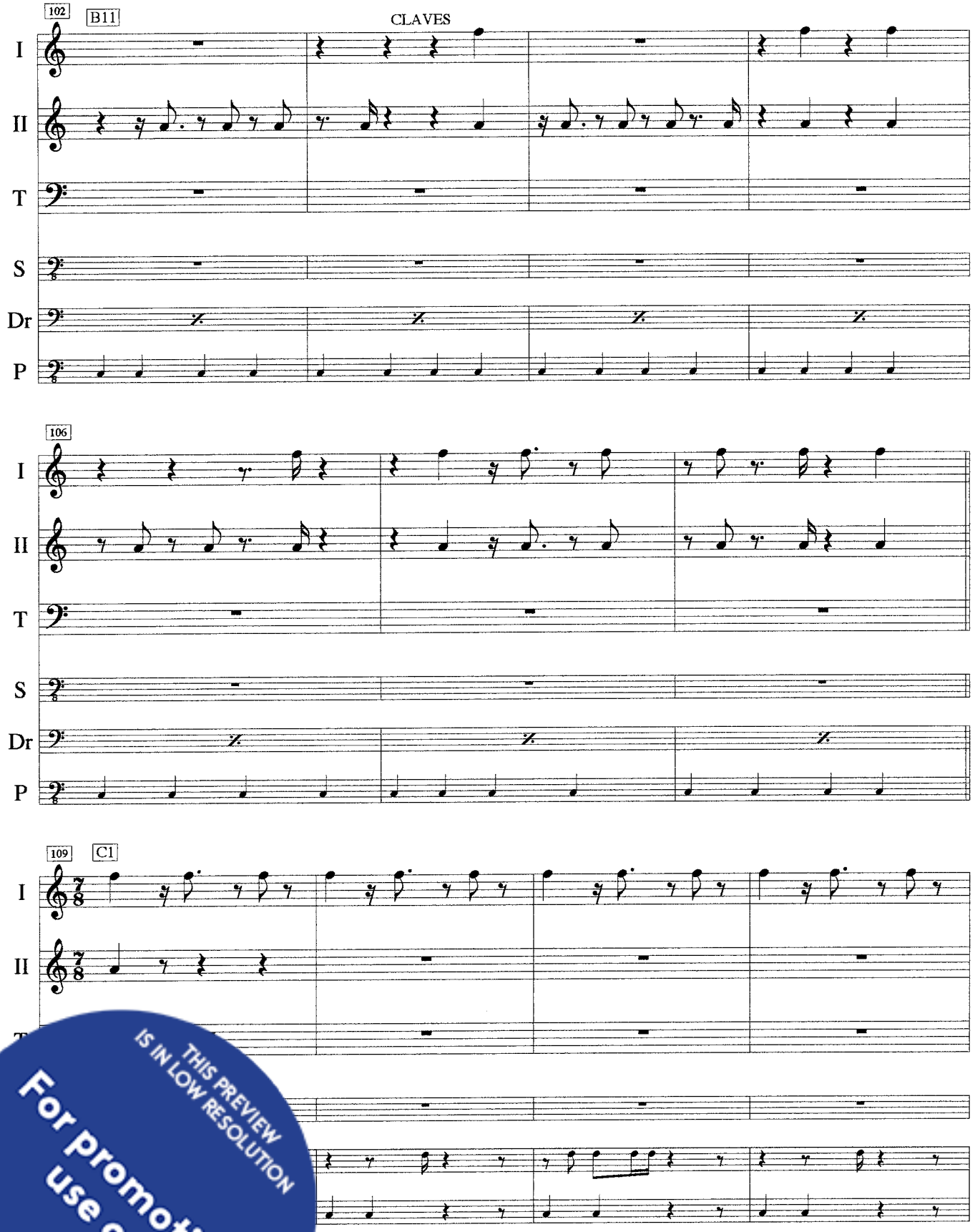

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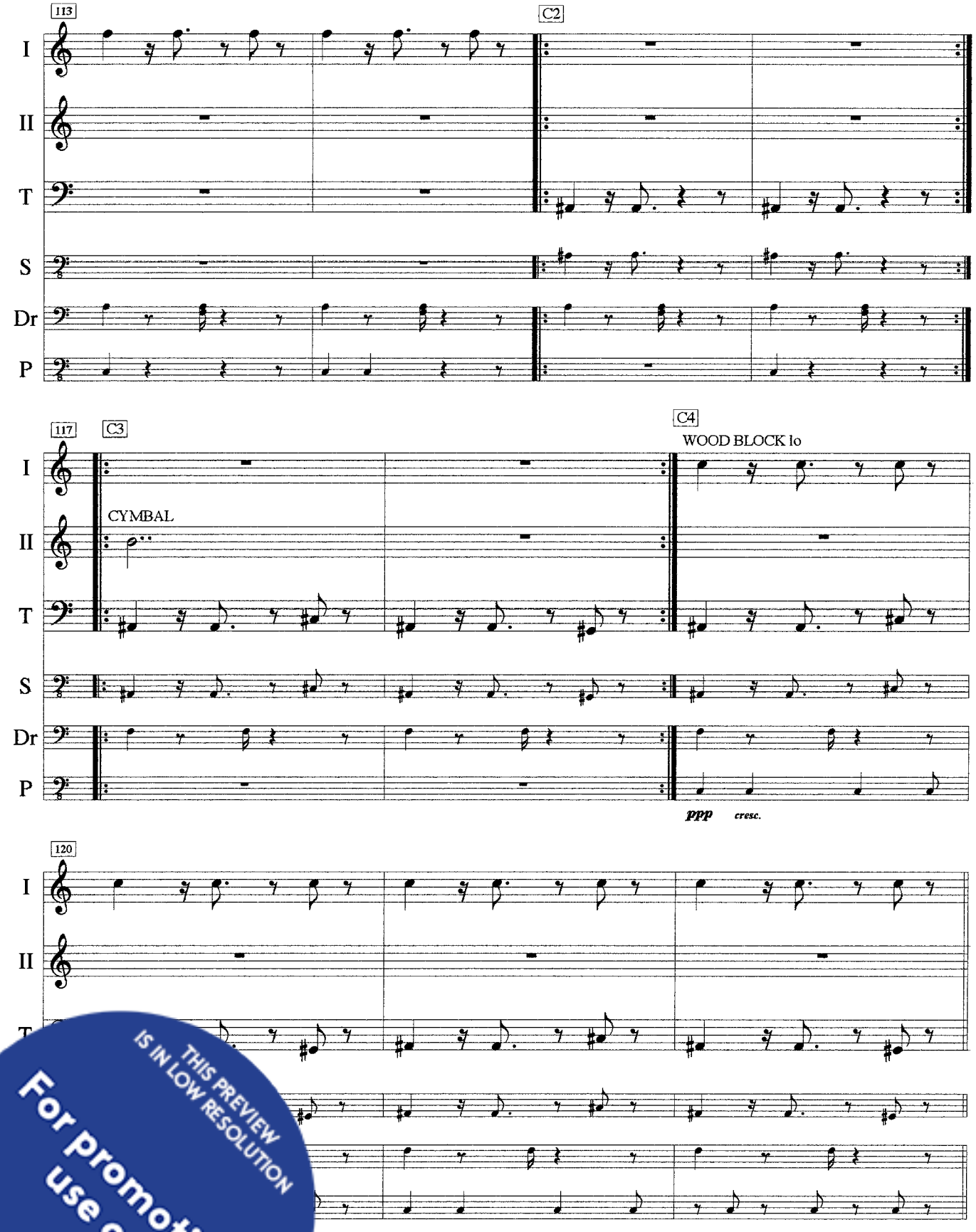

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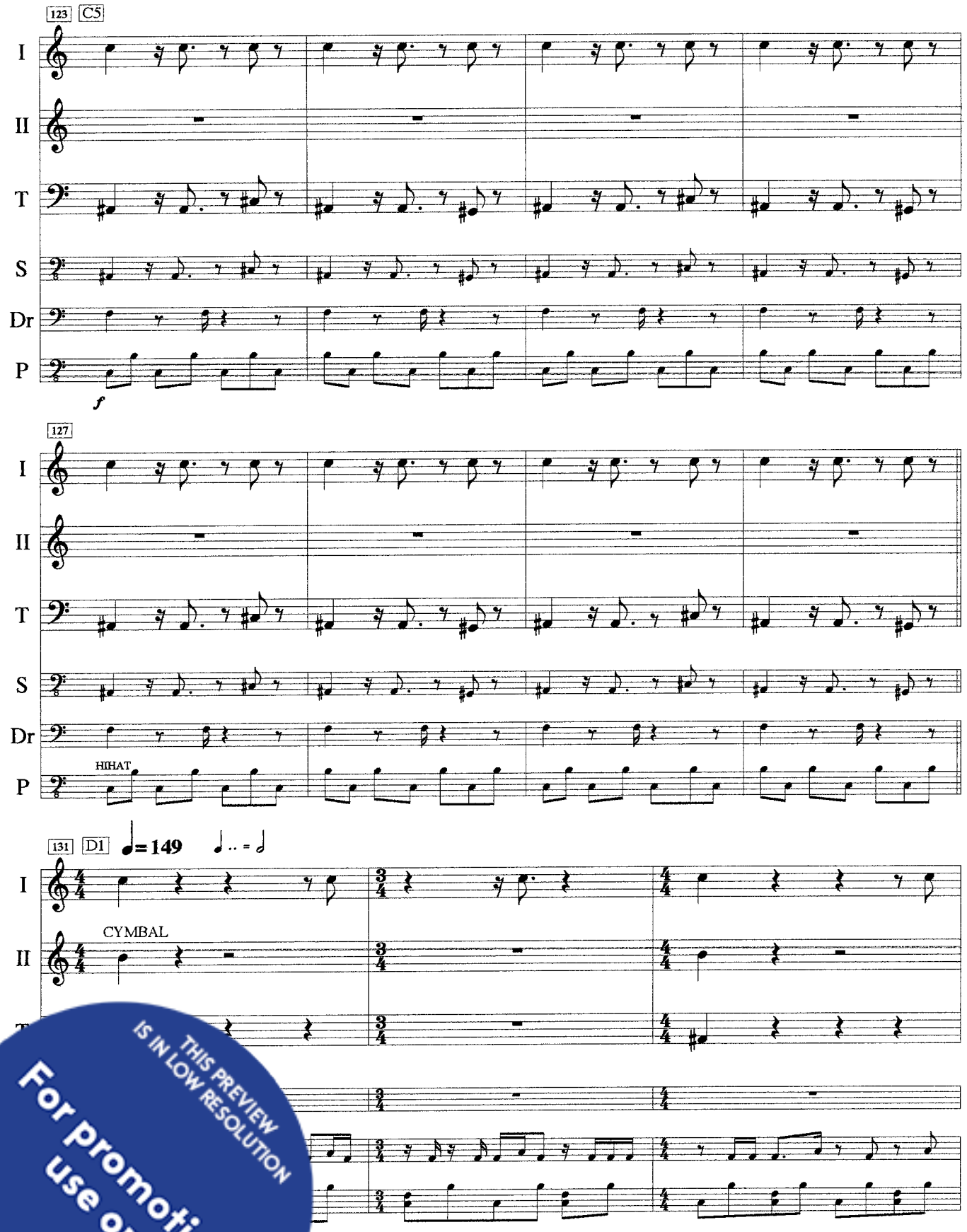

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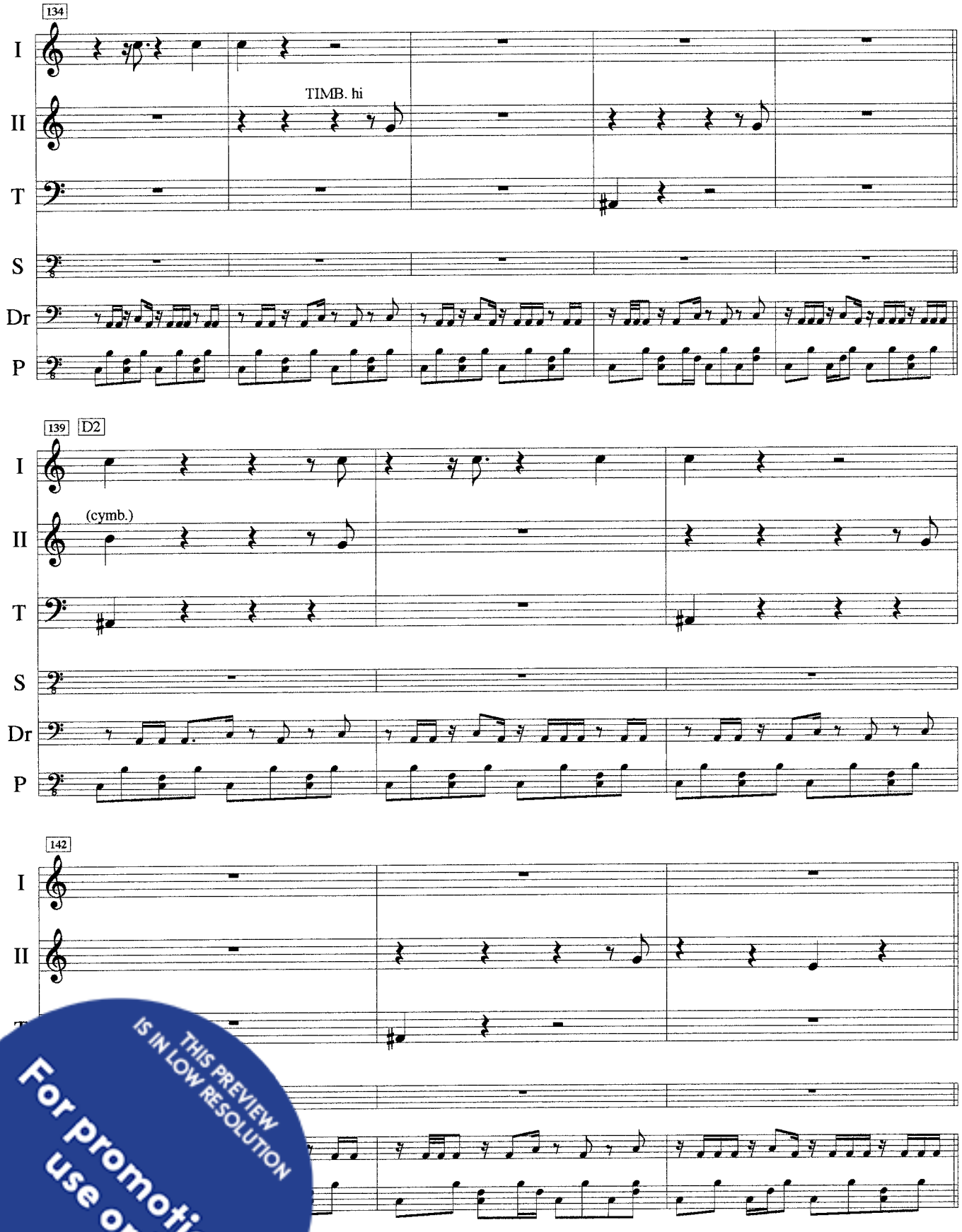

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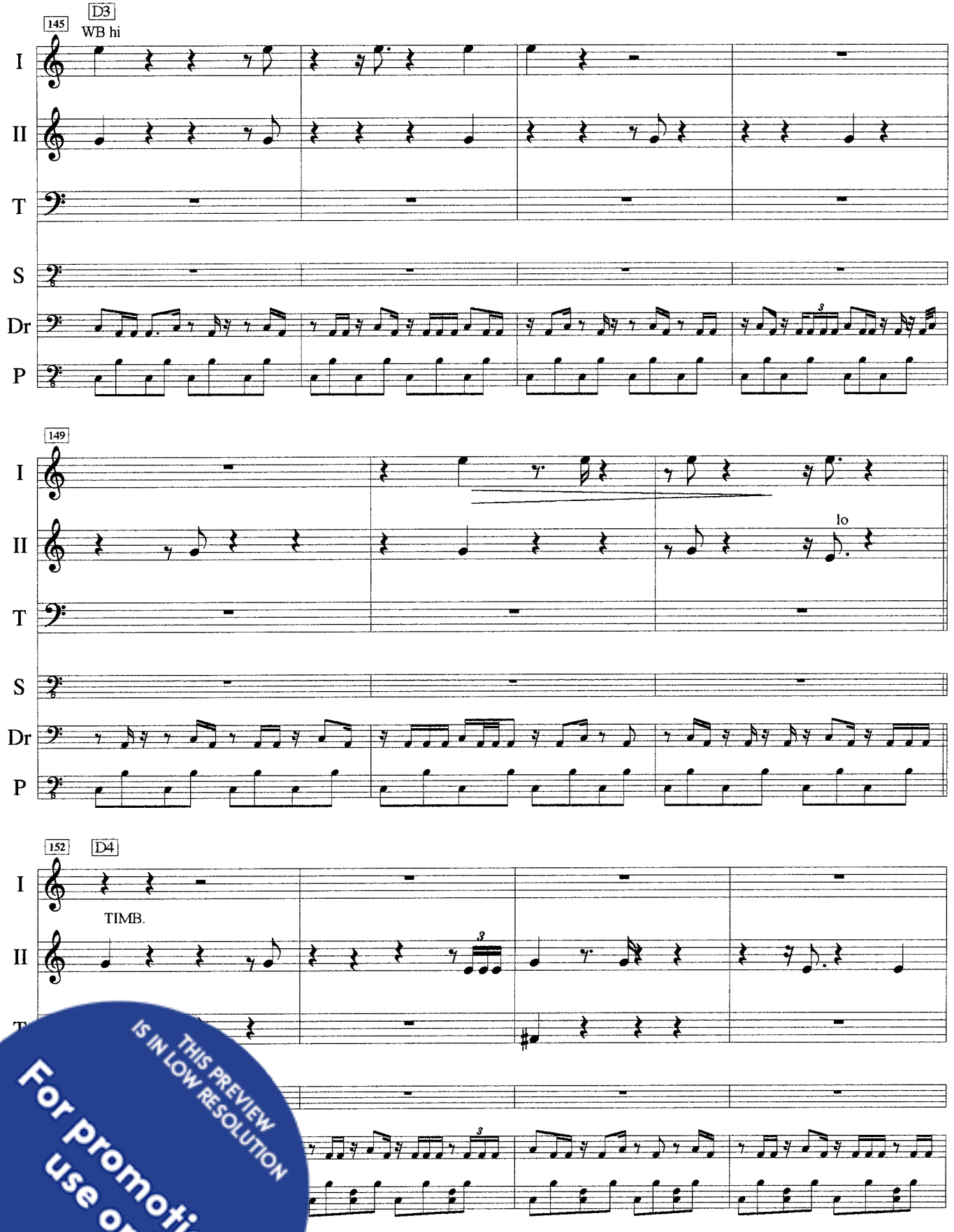

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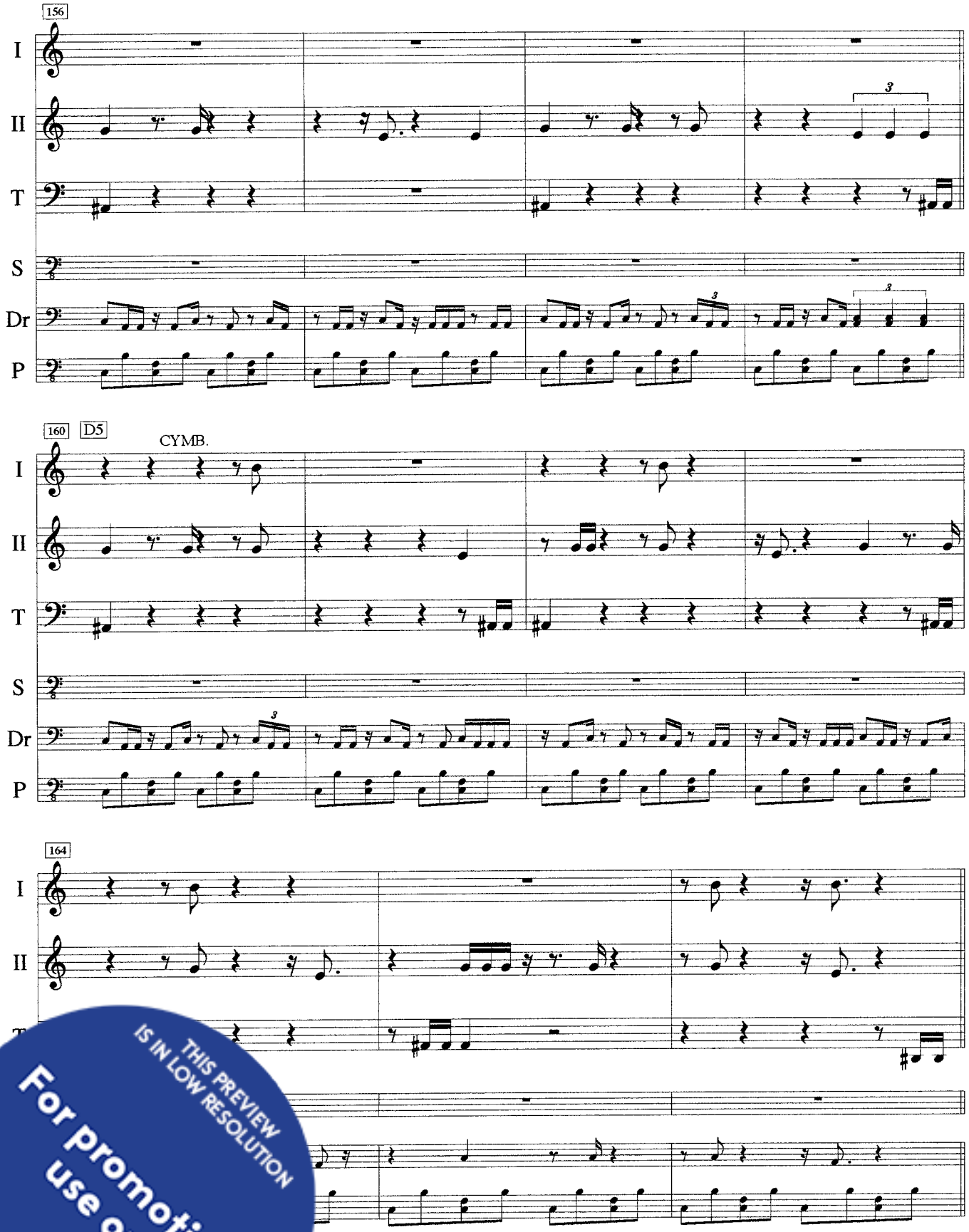

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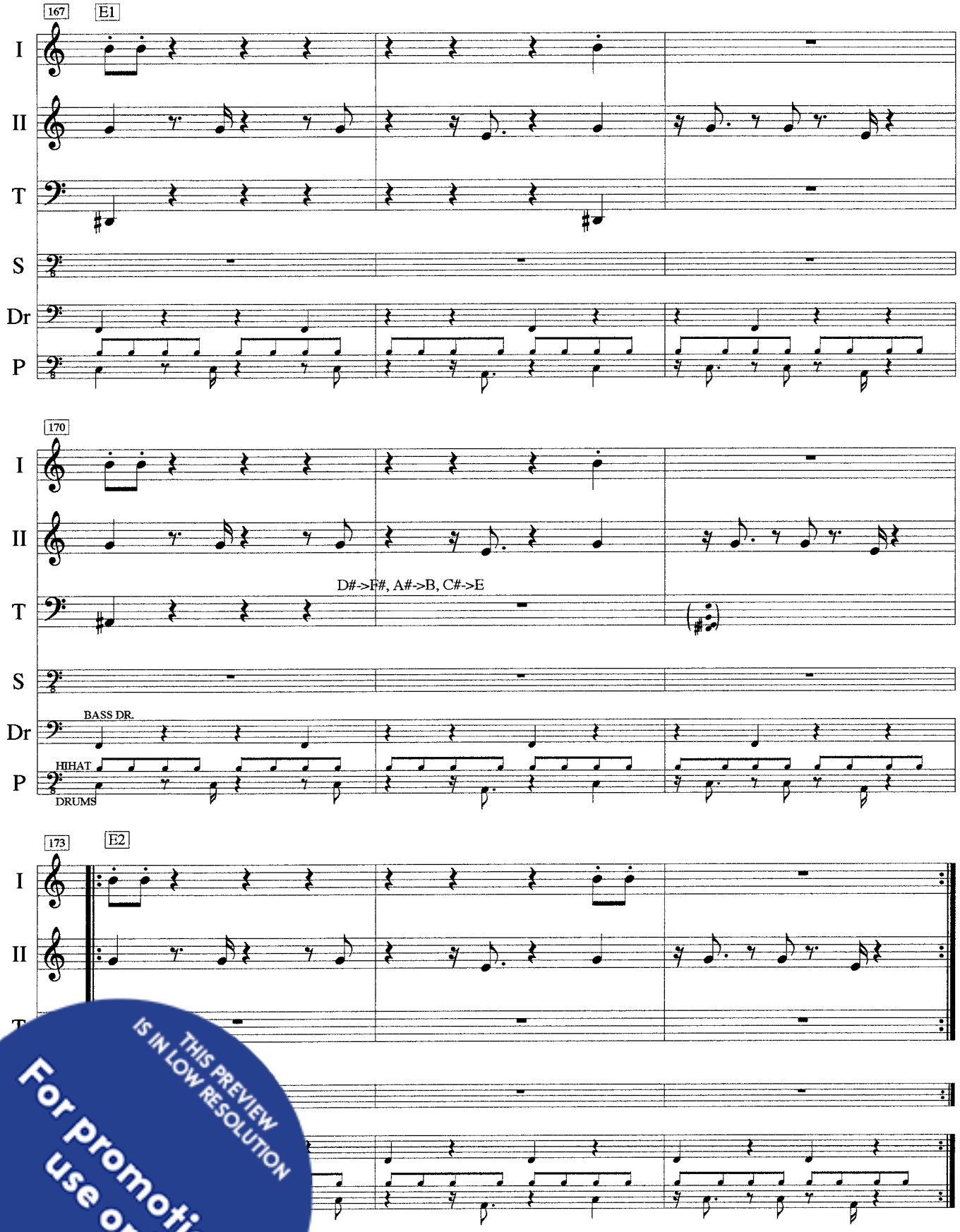

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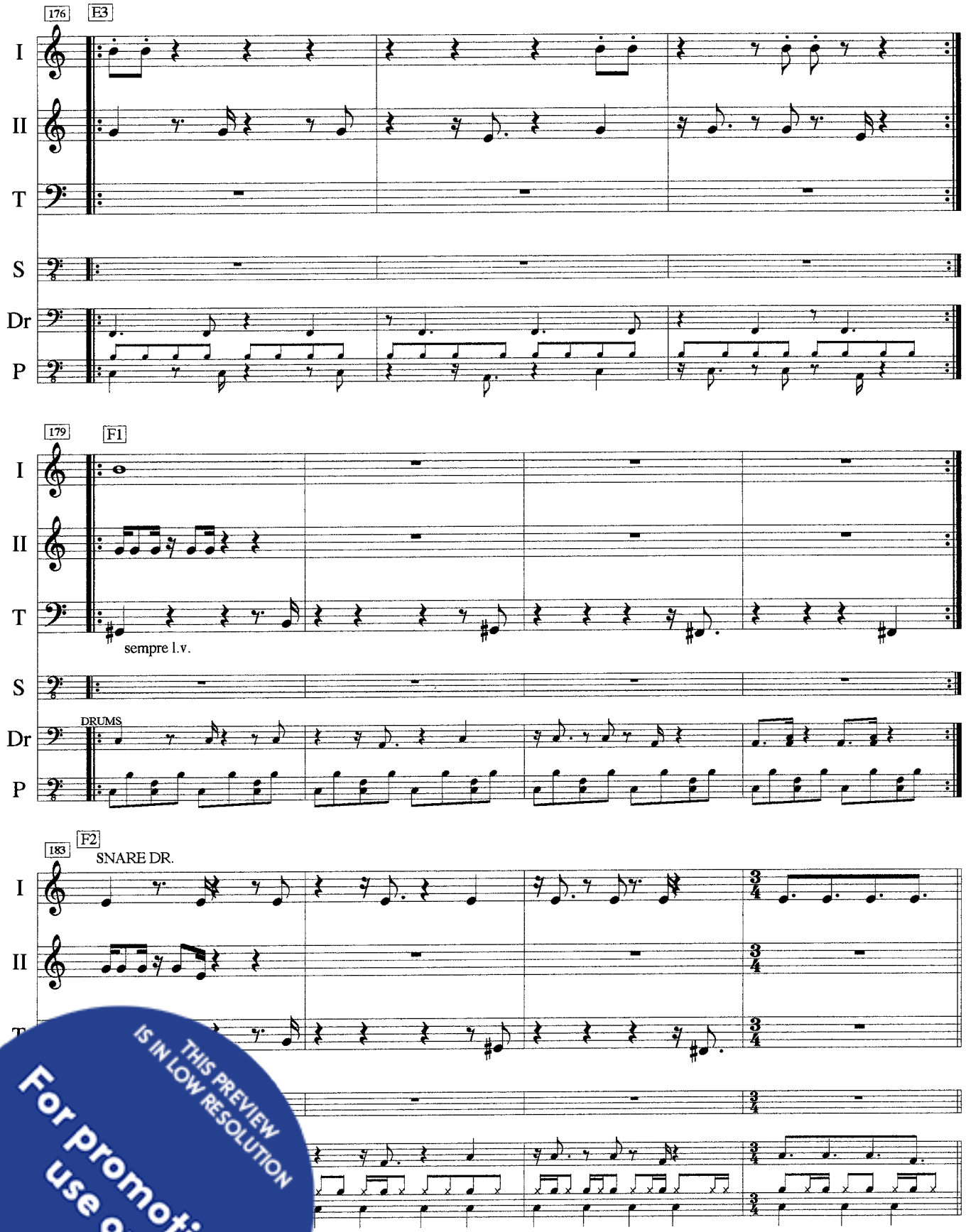

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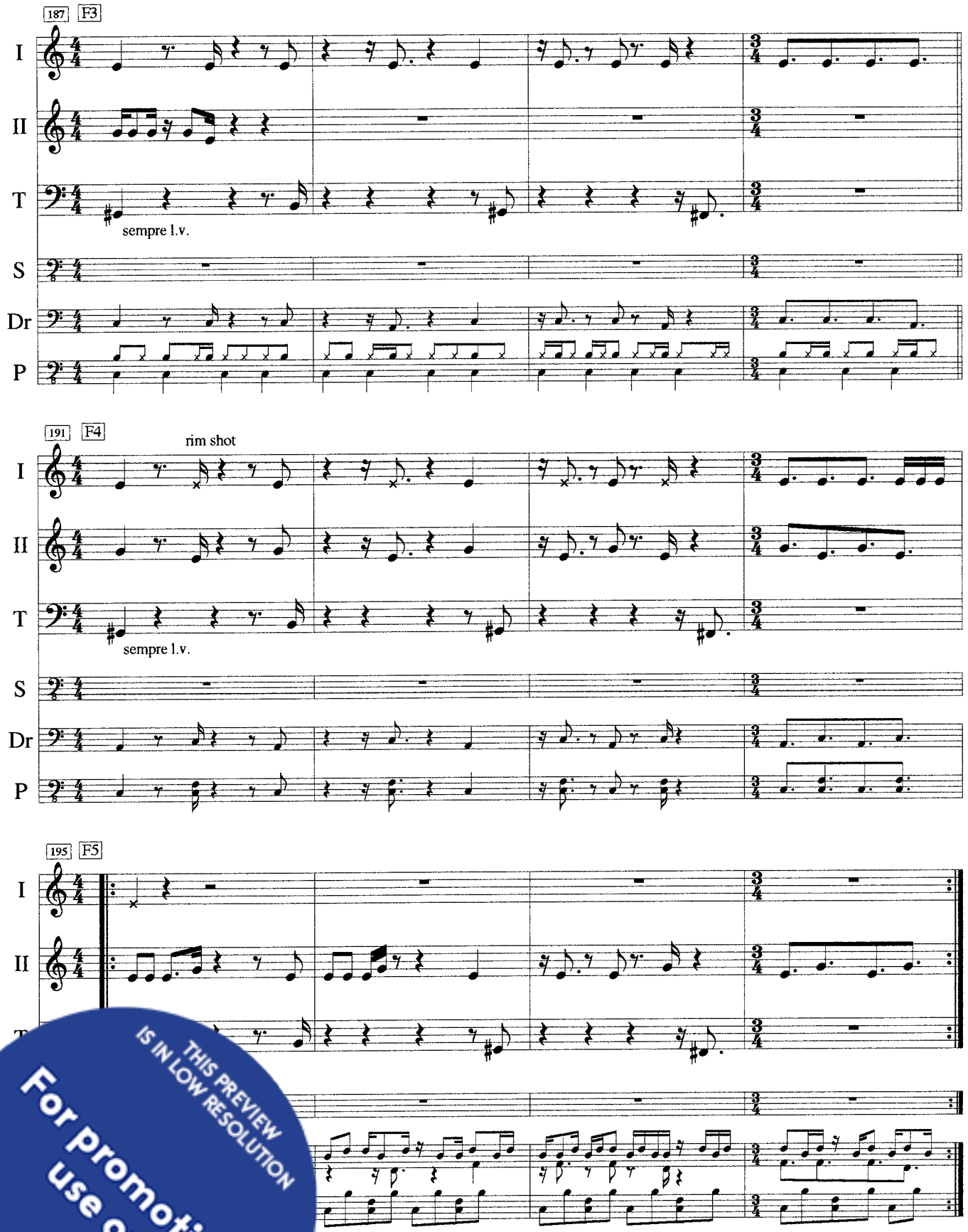

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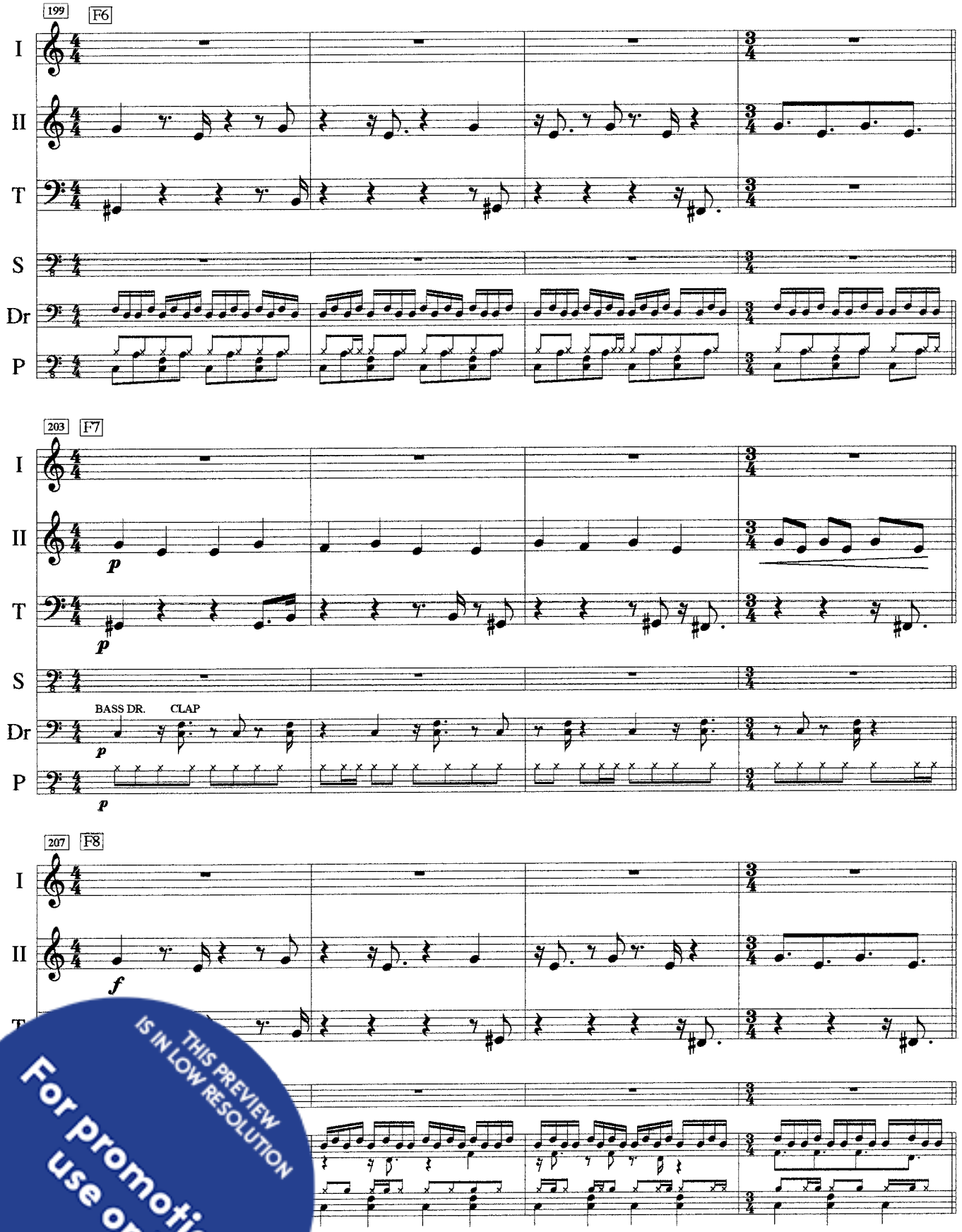

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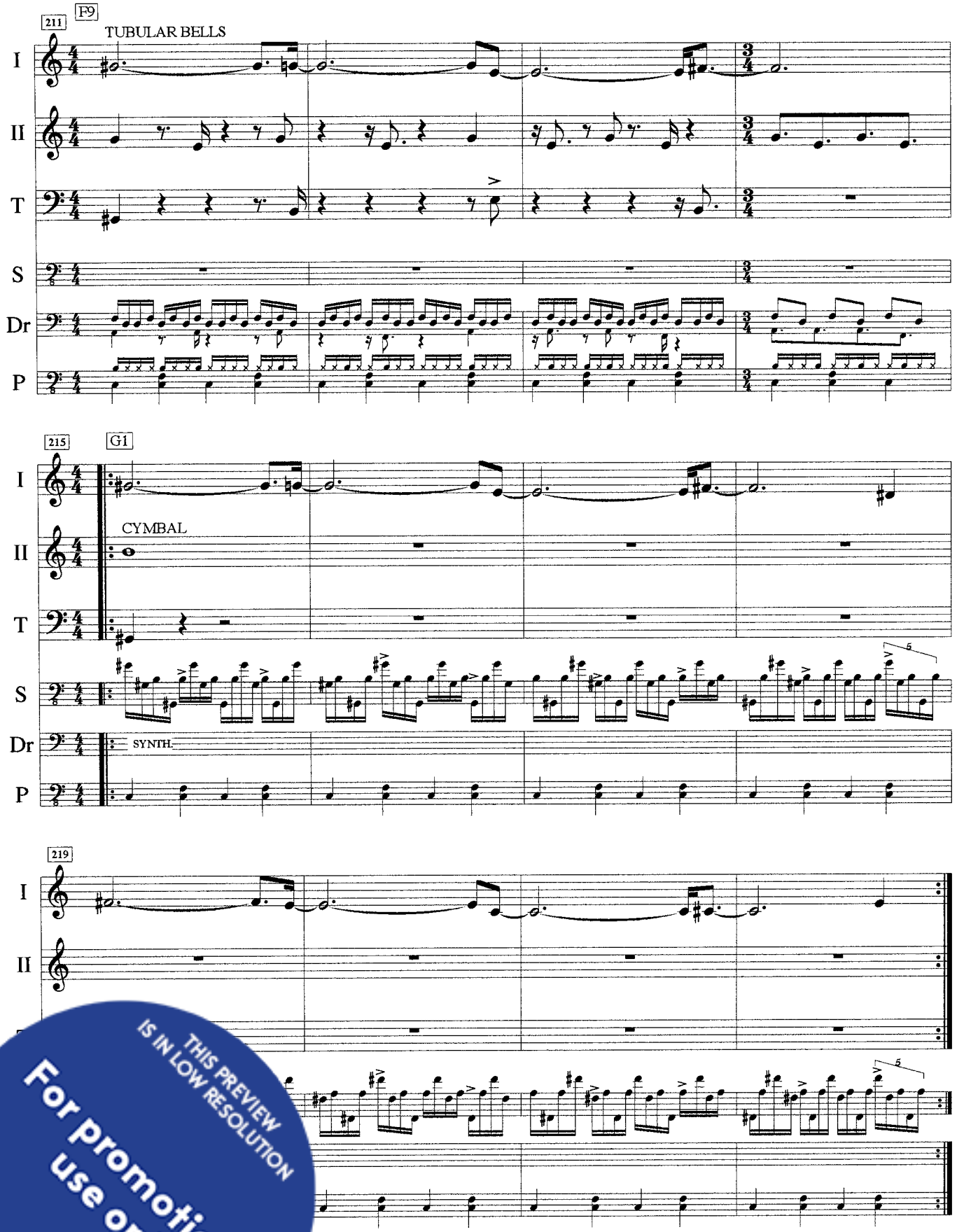

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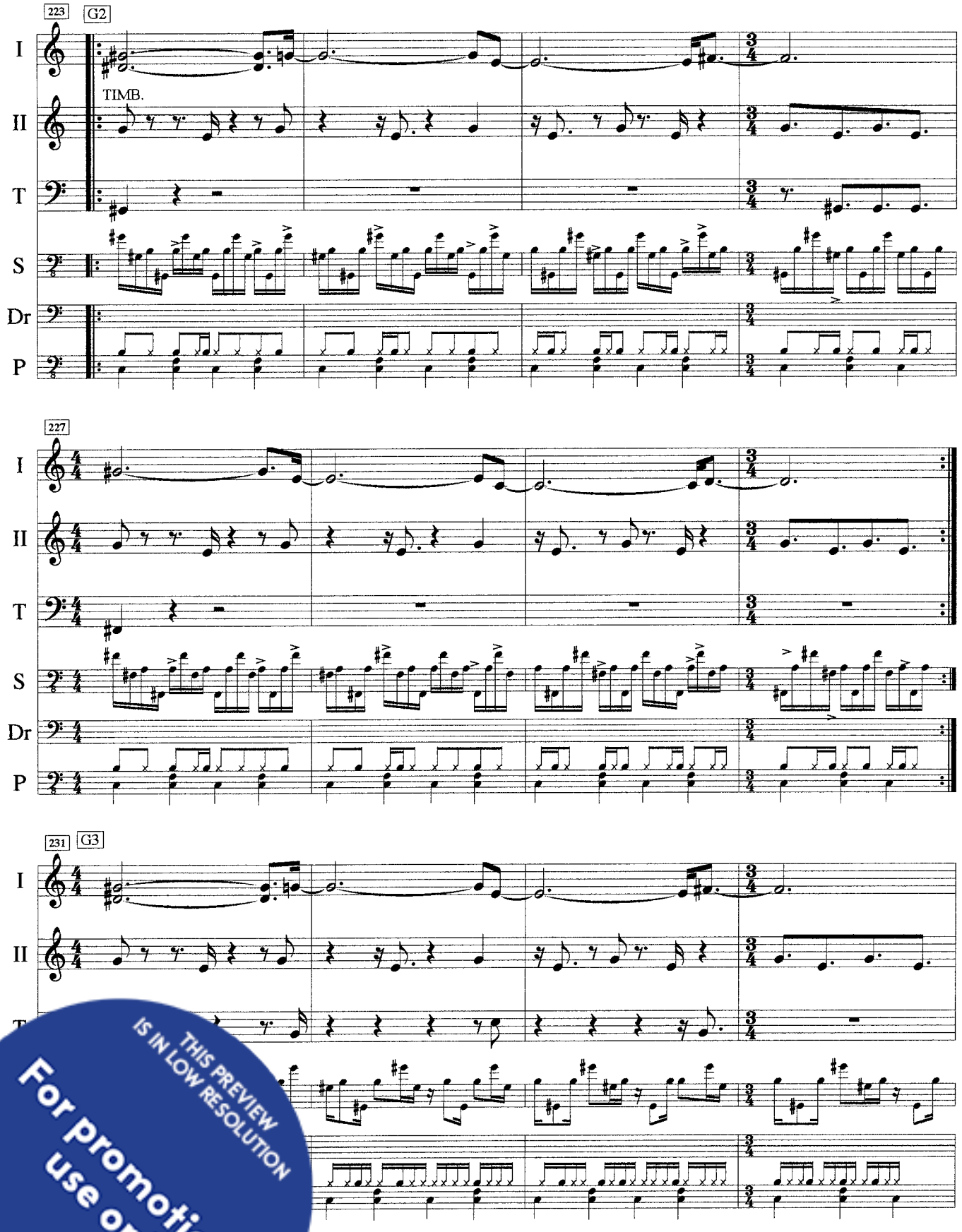

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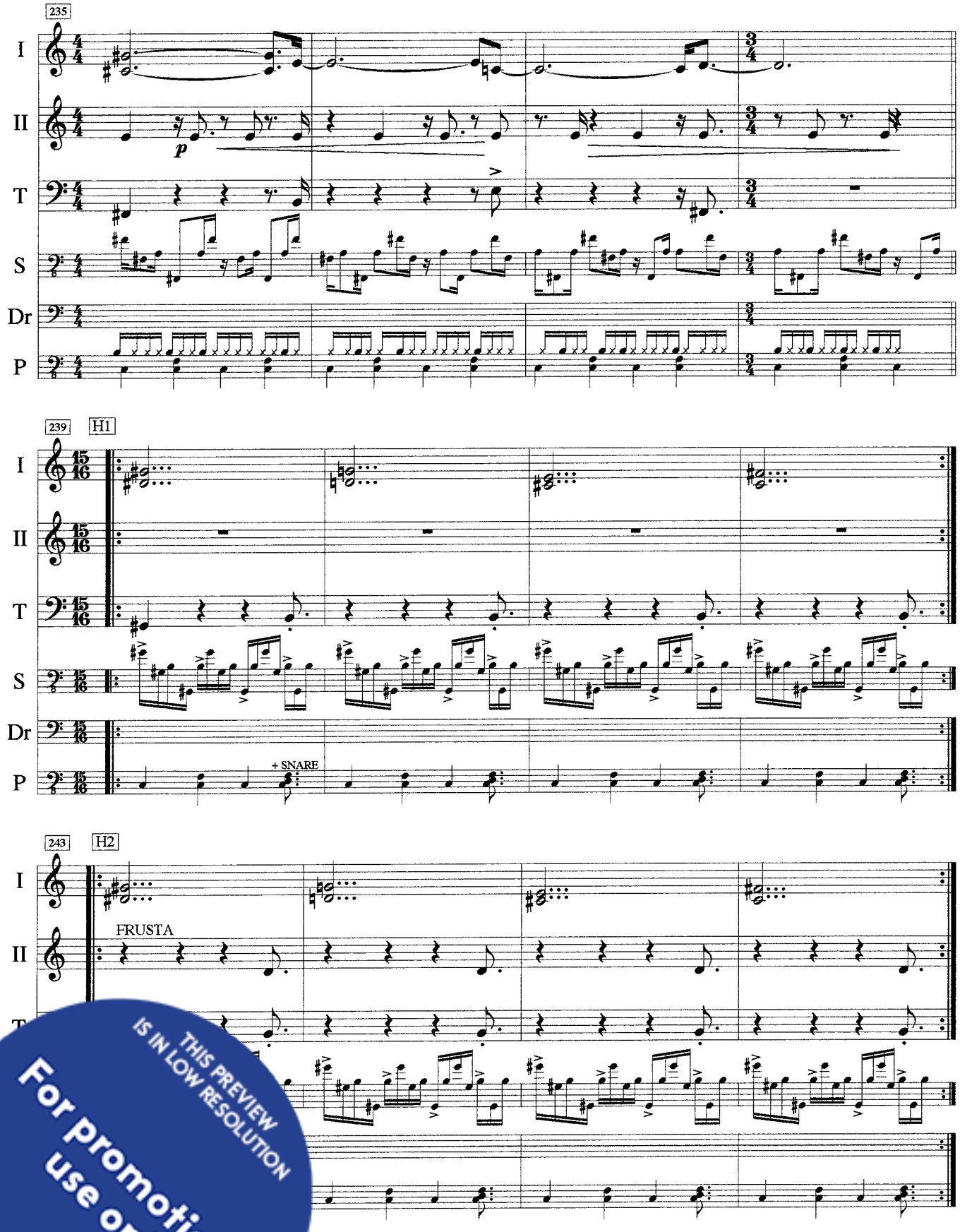

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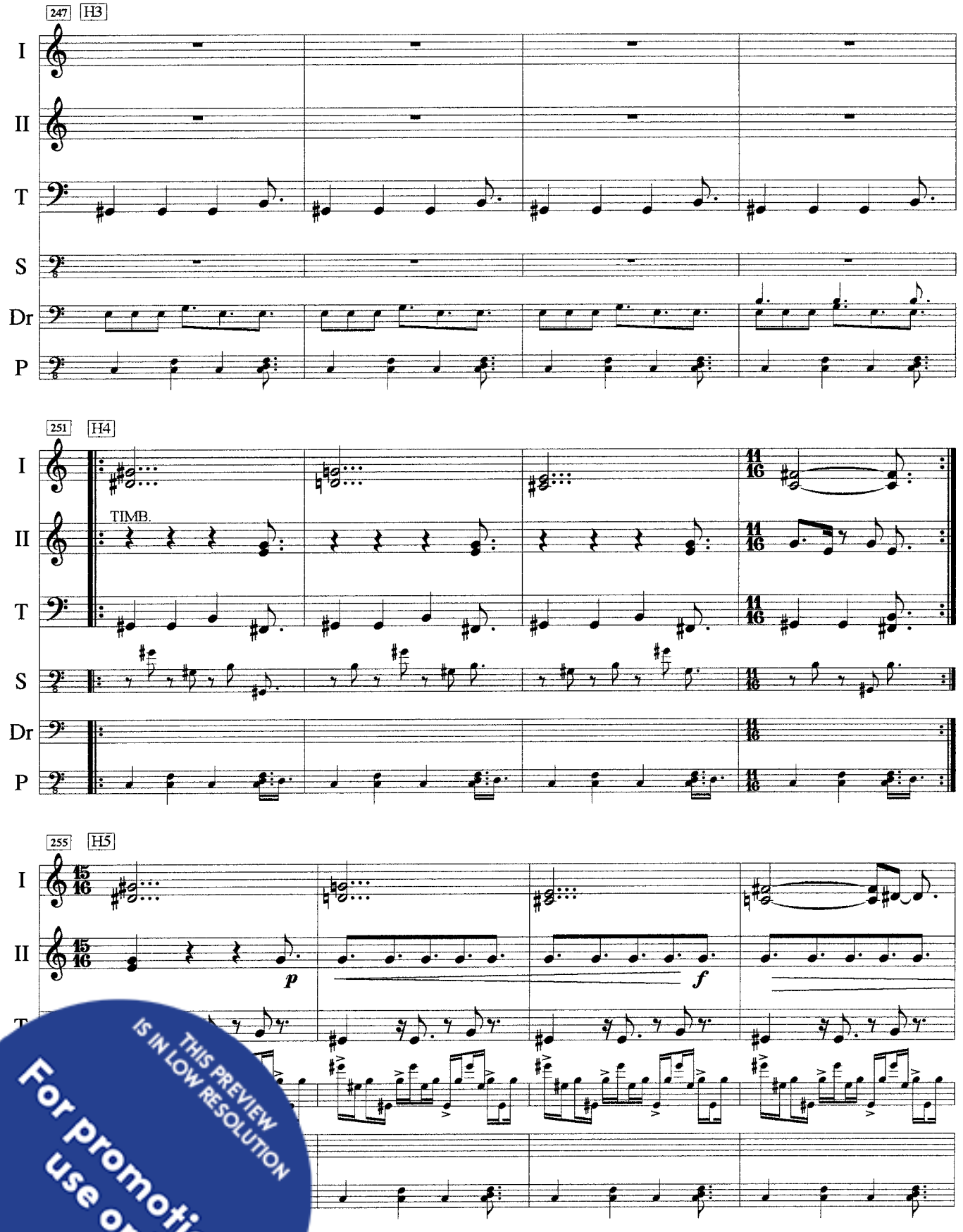

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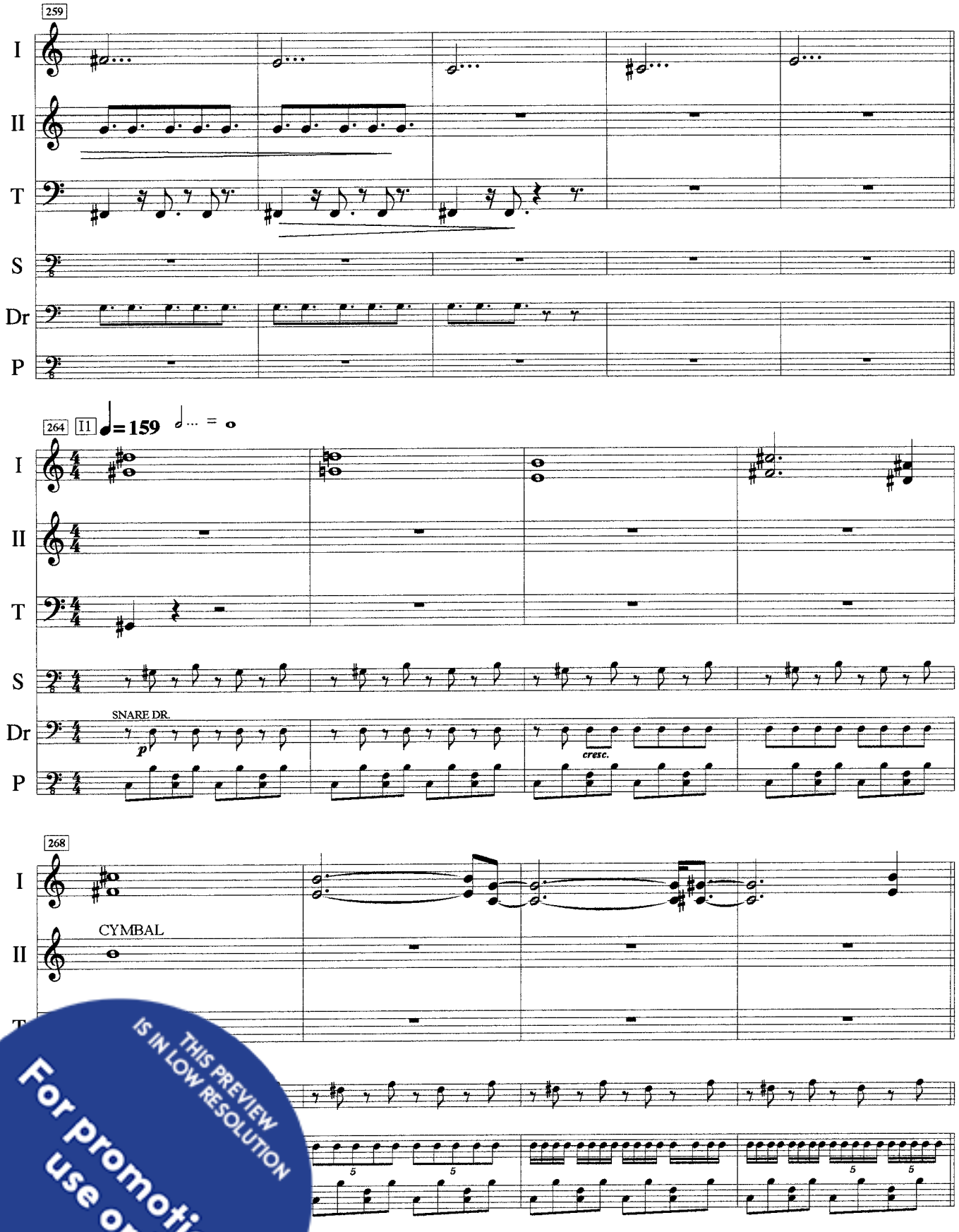

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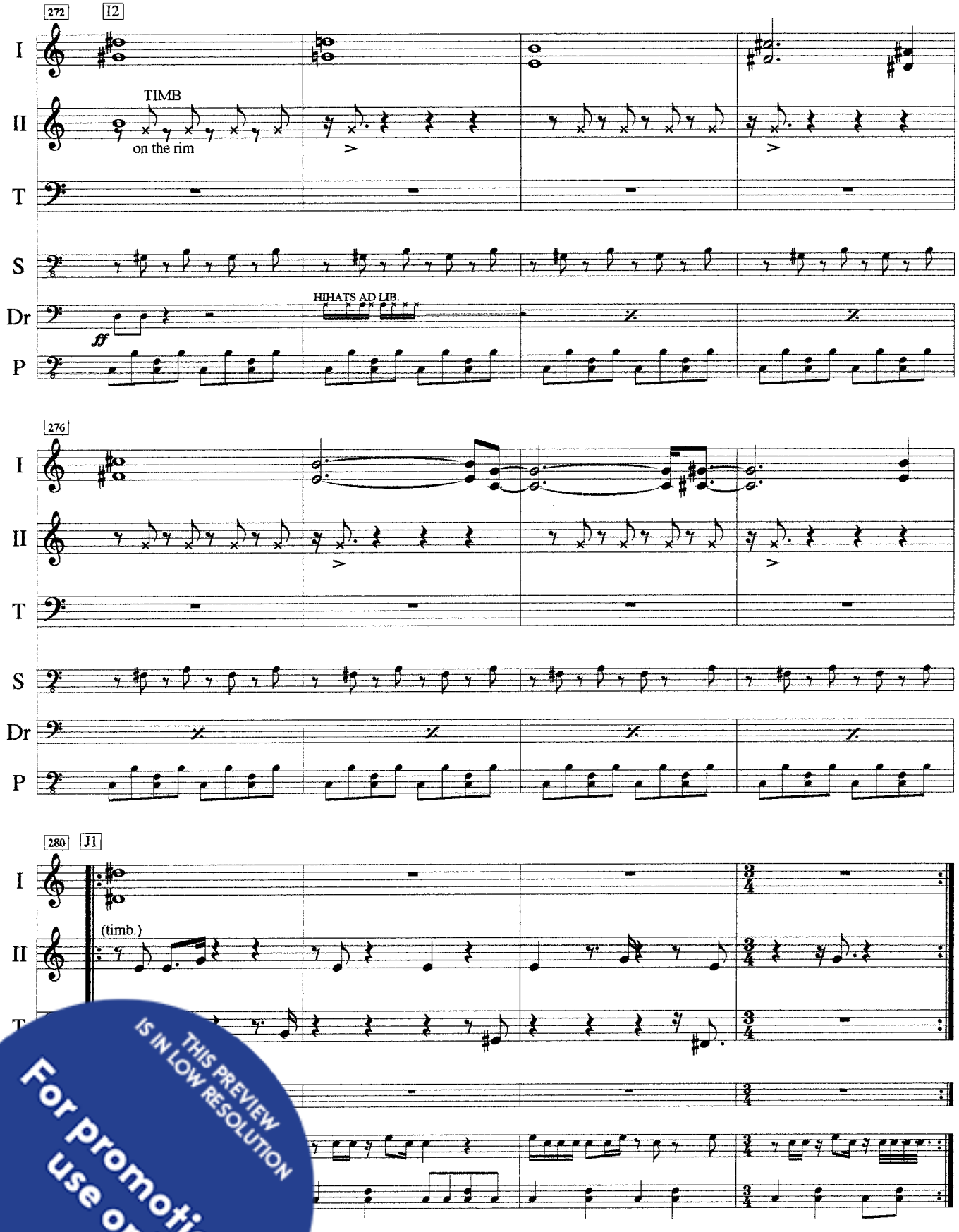

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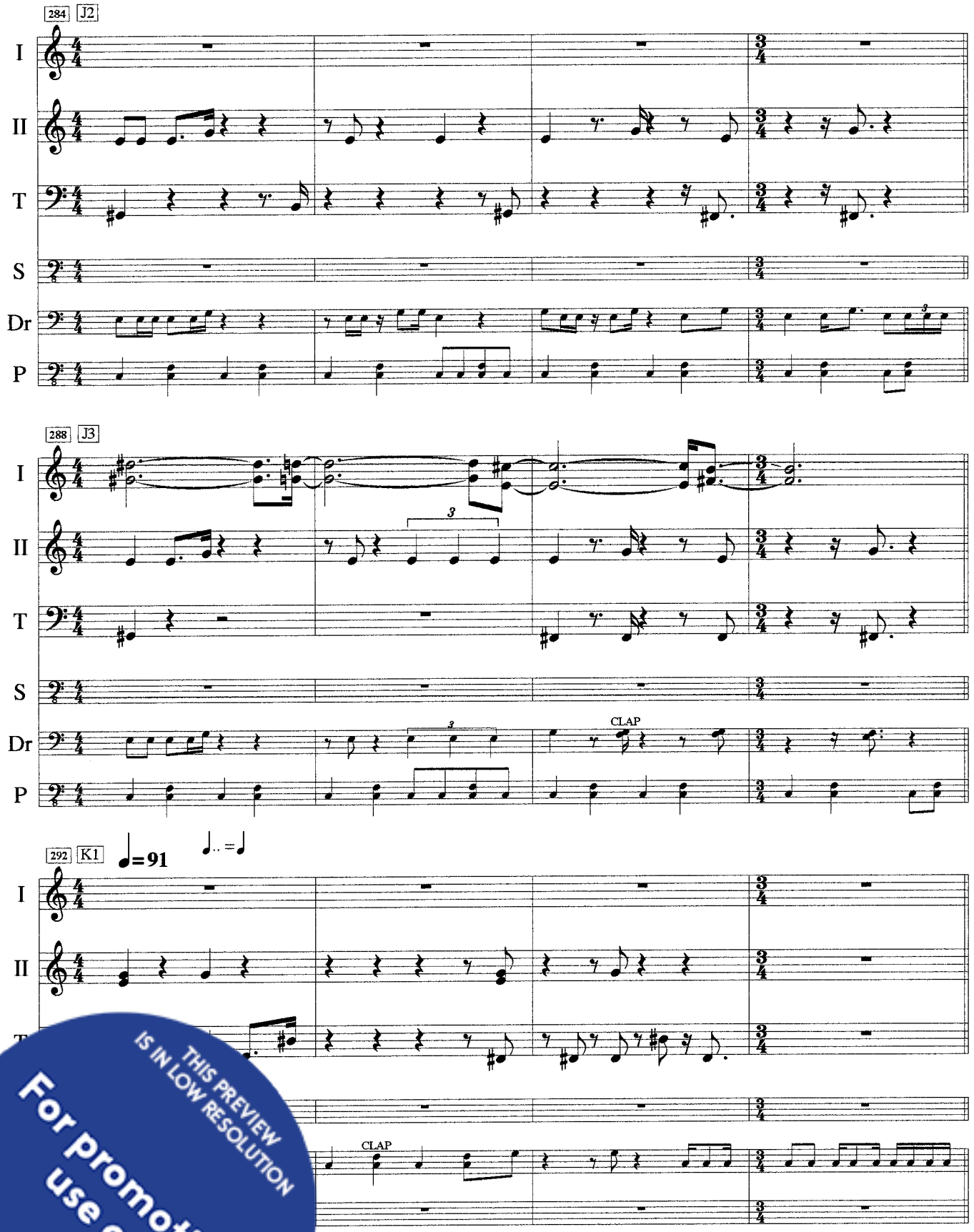

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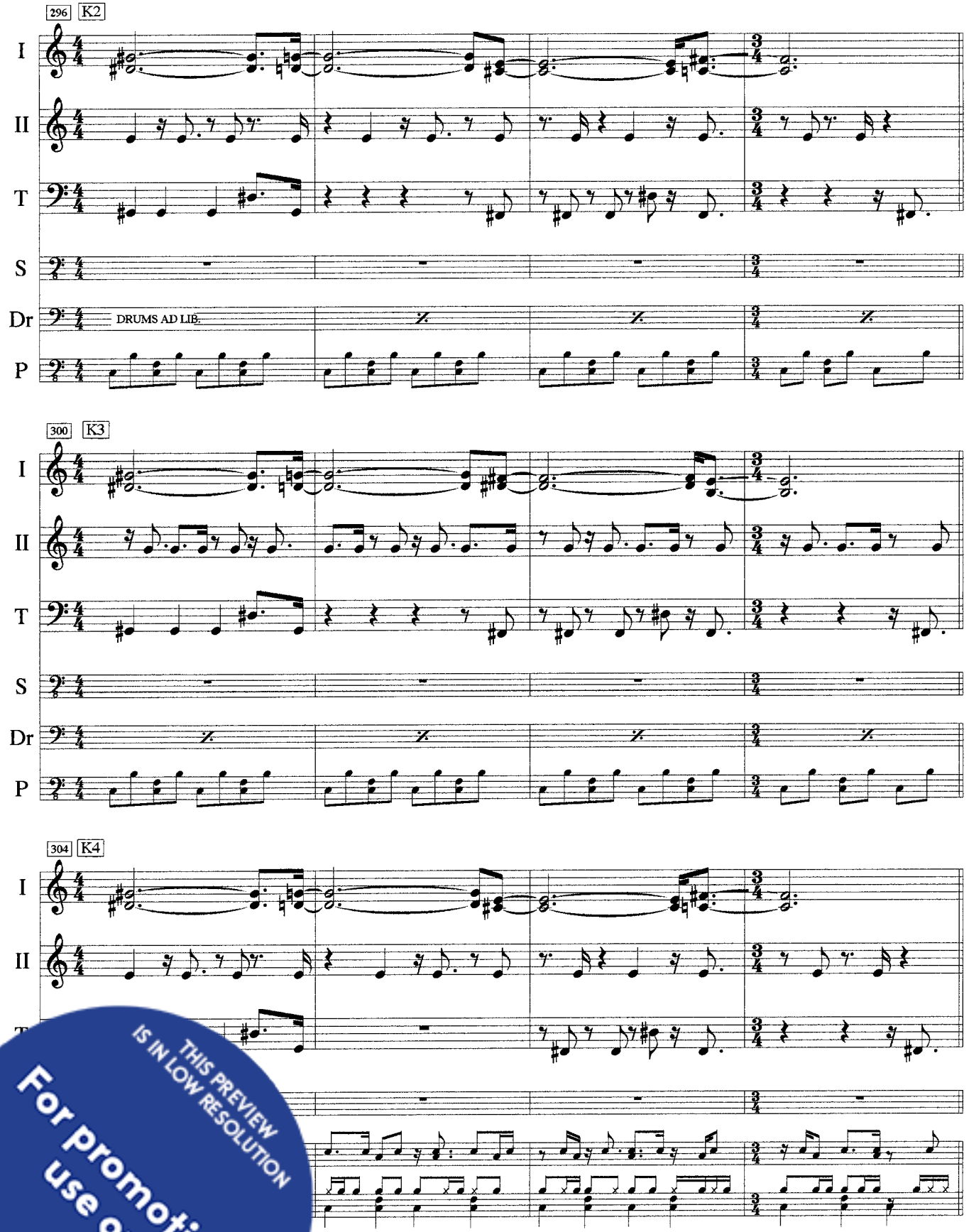

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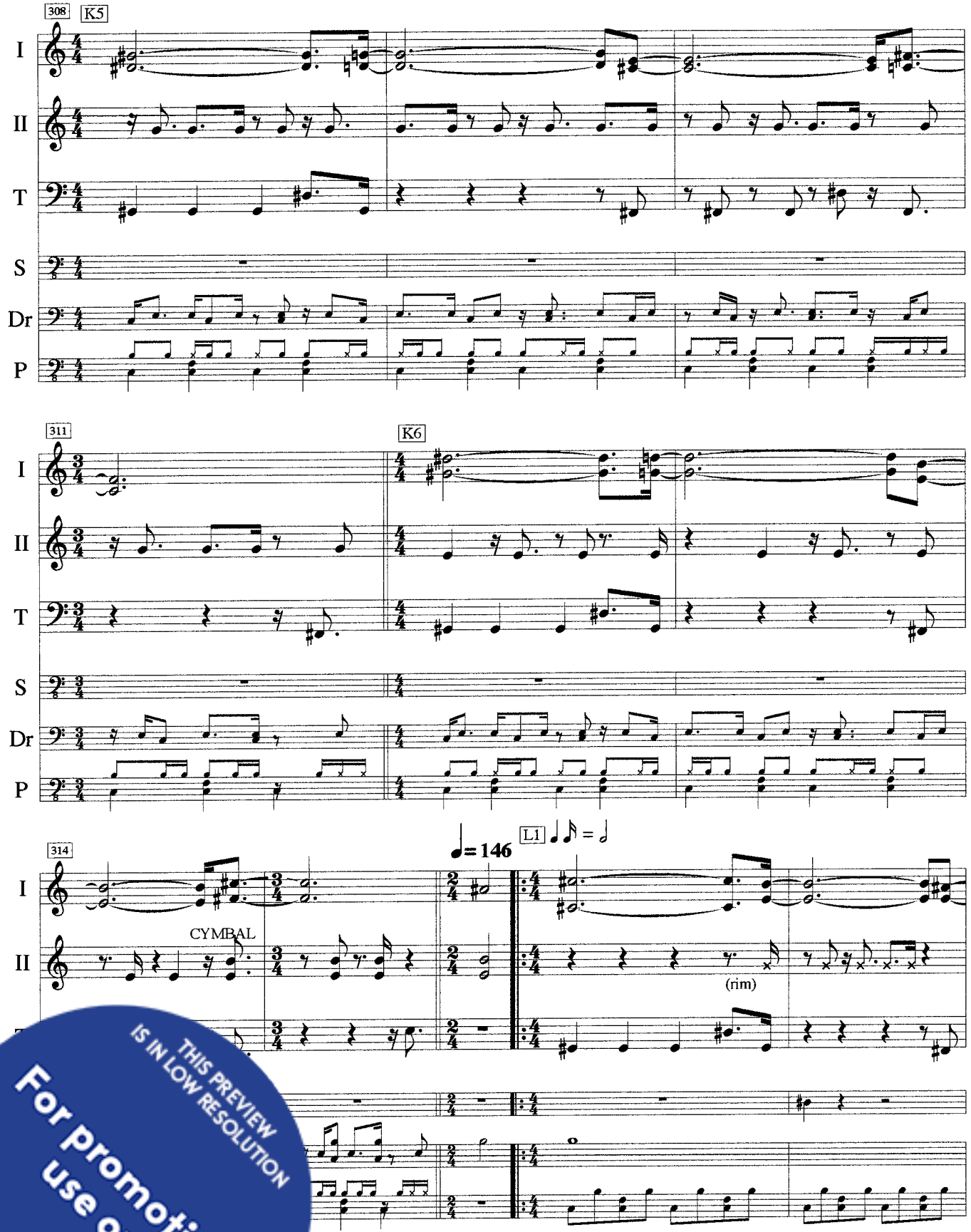

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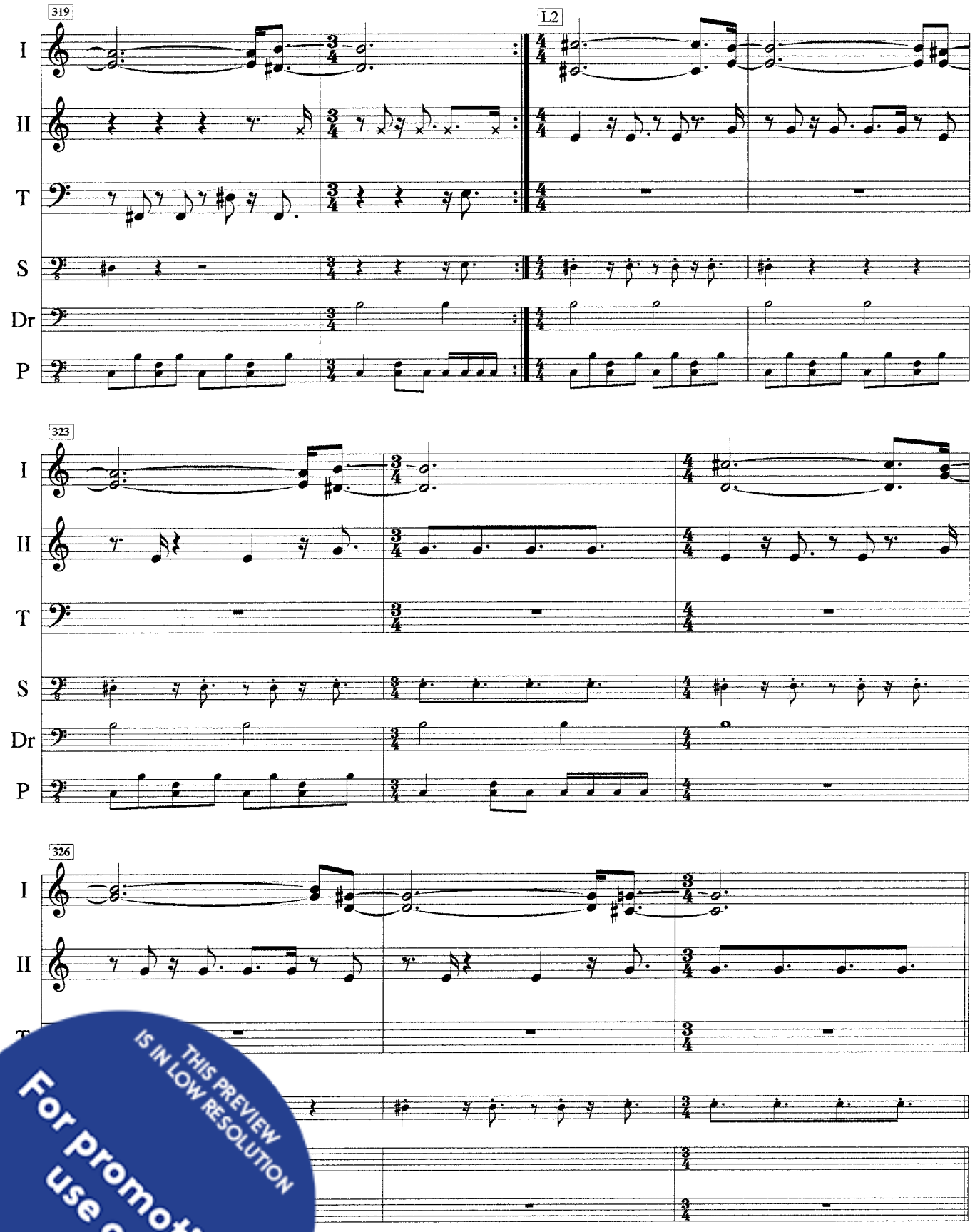

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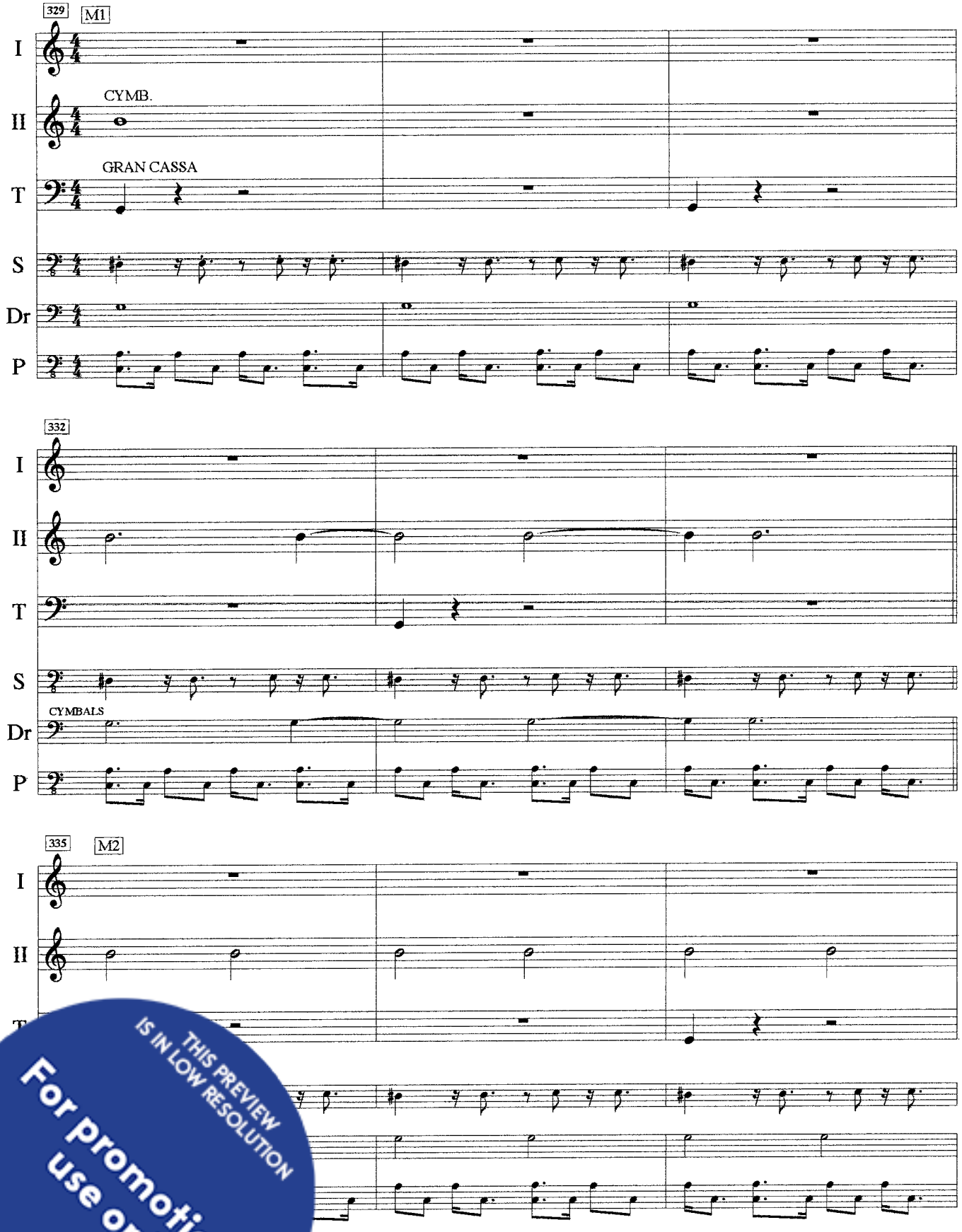

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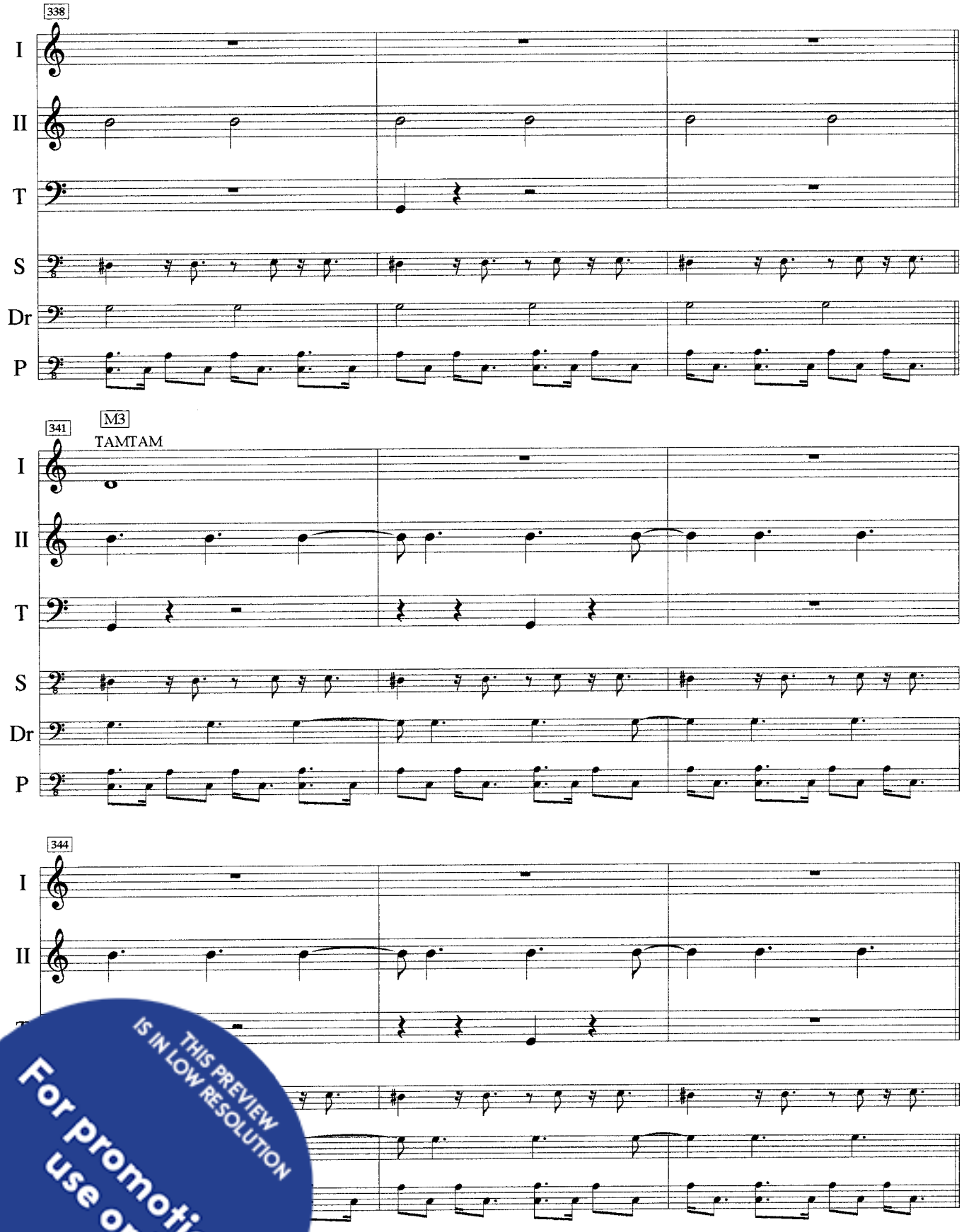

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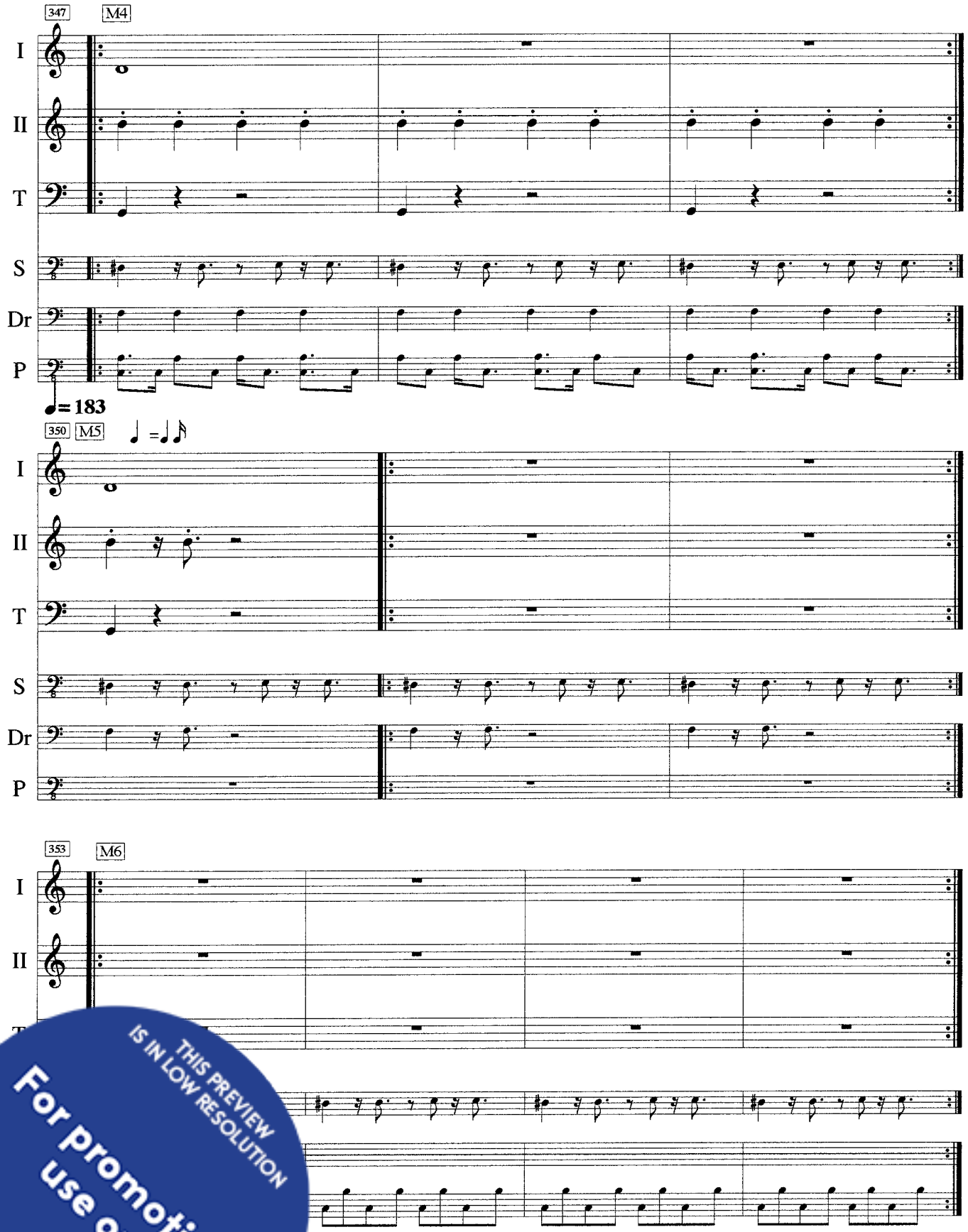

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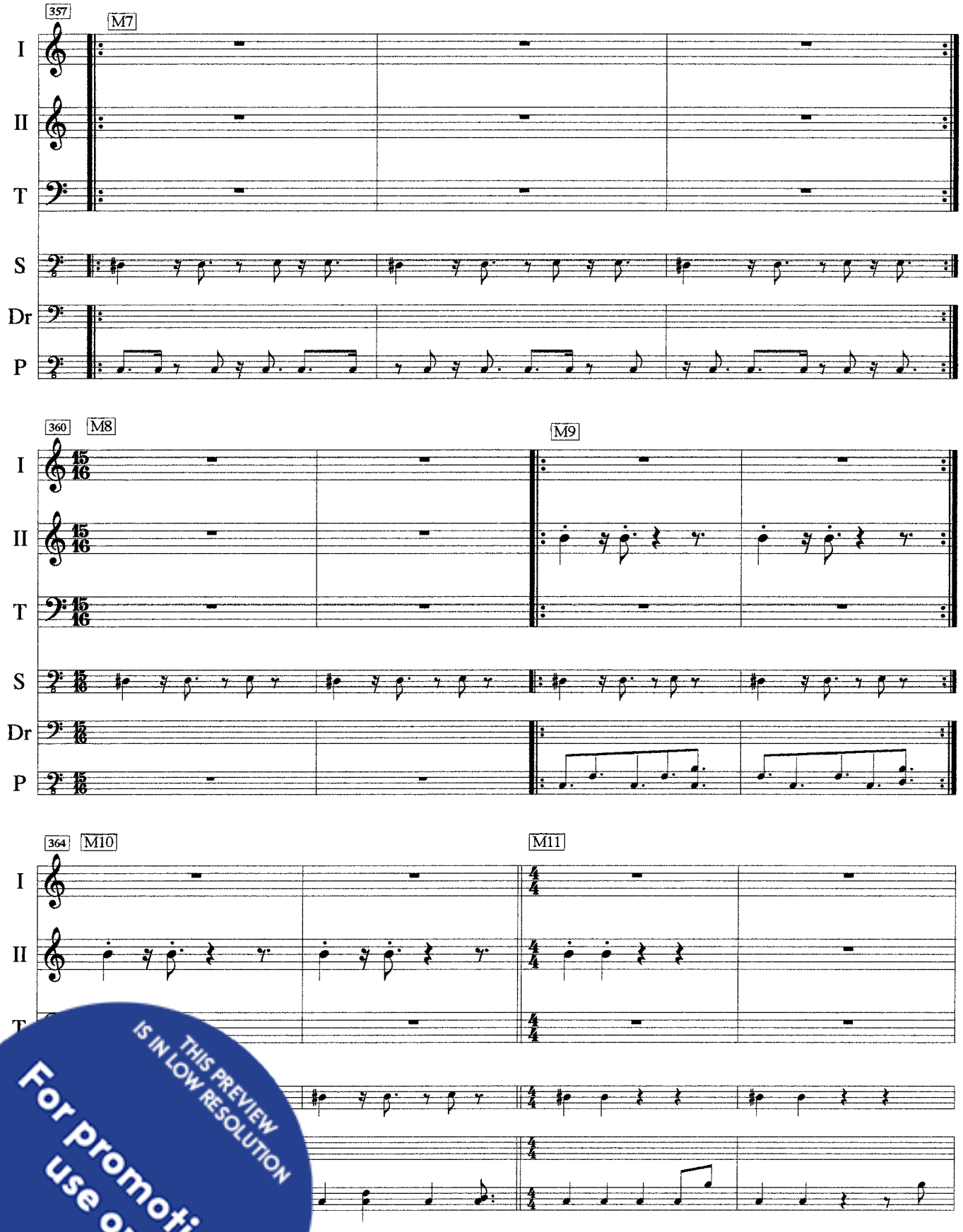

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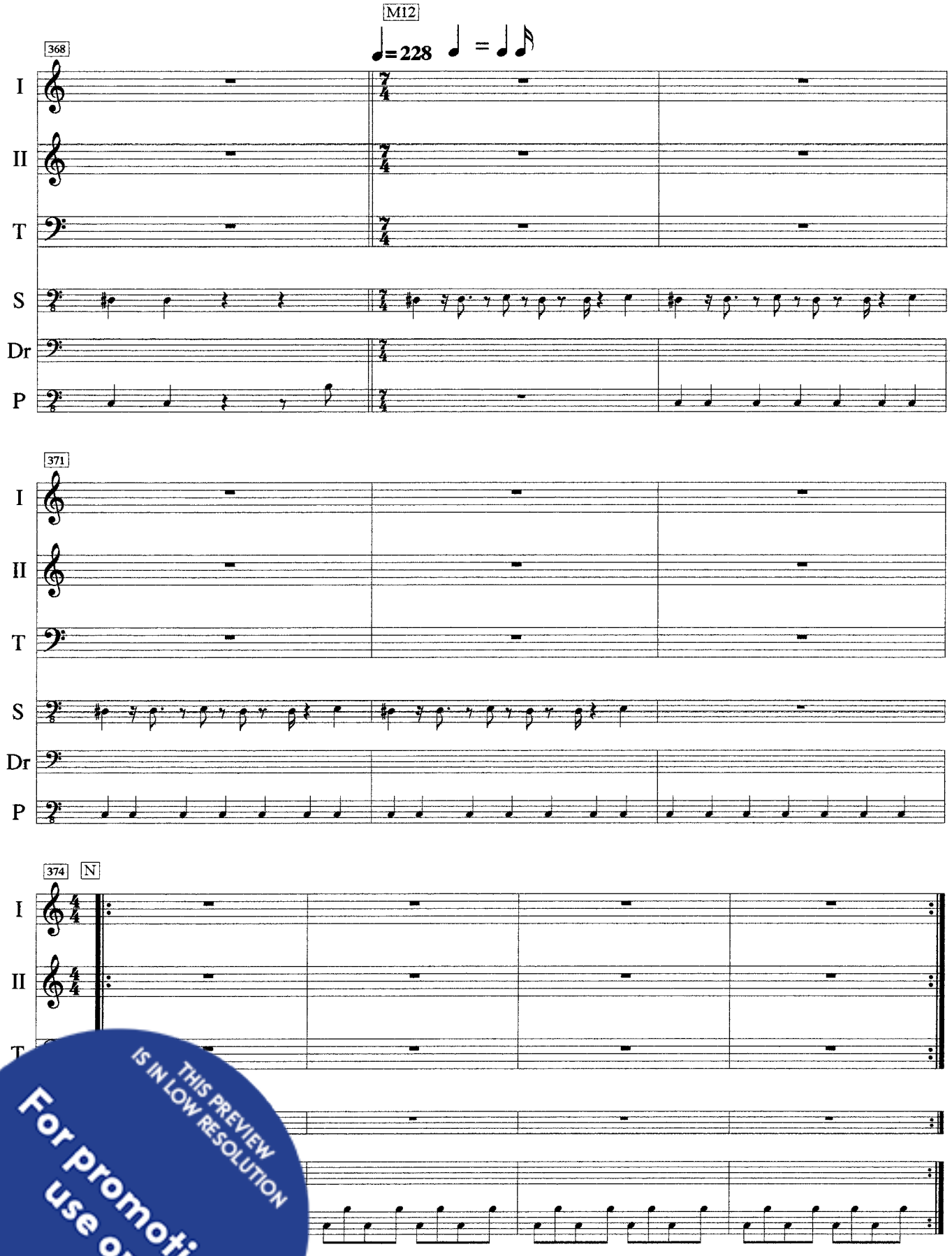

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