

**LilyPond**

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The music typesetter

**MIDI test suite**

**The LilyPond development team**

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## Introduction

This document presents regression tests for LilyPond development that are related to MIDI output and thus do not contain visually significant output in most cases; it mainly exists for completeness and to make the test documentation better available.

In the web version of this document, you can click on the figure for each example to see the corresponding input file.

## Regression test cases

### ambitus-after-midi.ly

Musical notation for `ambitus-after-midi.ly`. It shows a treble clef, common time signature, and a tempo marking of  $\text{♩} = 60$ . The notation consists of two measures: the first measure contains a whole note G4, and the second measure contains a whole note G5.

### articulate-accel-midi.ly

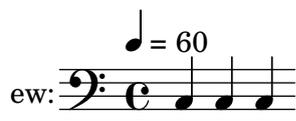
Musical notation for `articulate-accel-midi.ly`. It features five staves of music, each starting with a measure number (1, 3, 5, 7, 9) and a tempo marking. The notation consists of eighth notes with repeat signs. The tempo markings are: Staff 1:  $\text{♩} = 60$ ,  $\text{♩} = 100$ ,  $\text{♩} = 60$ ,  $\text{♩} = 100$ ,  $\text{♩} = 60$ ; Staff 2:  $\text{♩} = 100$ ,  $\text{♩} = 60$ ,  $\text{♩} = 67$ ,  $\text{♩} = 60$ ; Staff 3:  $\text{♩} = 36$ ,  $\text{♩} = 60$ ,  $\text{♩} = 36$ ,  $\text{♩} = 60$ ; Staff 4:  $\text{♩} = 36$ ,  $\text{♩} = 60$ ,  $\text{♩} = 36$ ,  $\text{♩} = 60$ ; Staff 5:  $\text{♩} = 54$ ,  $\text{♩} = 60$ ,  $\text{♩} = 54$ ,  $\text{♩} = 60$ .

### articulate-repeat-midi.ly

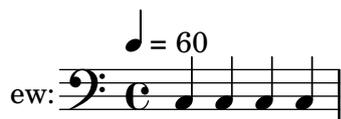
`\articulate` correctly handles repeats with alternatives. They are played in the same order as their visual rendition suggests.

Musical notation for `articulate-repeat-midi.ly`. It shows a bass clef, common time signature, and a tempo marking of  $\text{♩} = 60$ . The notation consists of four measures of eighth notes with repeat signs. The notes are: G2, A2, B2, C3, D3, E3, F3, G3, A3, B3, C4, D4, E4, F4, G4, A4, B4, C5, D5, E5, F5, G5, A5, B5, C6, D6, E6, F6, G6, A6, B6, C7, D7, E7, F7, G7, A7, B7, C8, D8, E8, F8, G8, A8, B8, C9, D9, E9, F9, G9, A9, B9, C10, D10, E10, F10, G10, A10, B10, C11, D11, E11, F11, G11, A11, B11, C12, D12, E12, F12, G12, A12, B12, C13, D13, E13, F13, G13, A13, B13, C14, D14, E14, F14, G14, A14, B14, C15, D15, E15, F15, G15, A15, B15, C16, D16, E16, F16, G16, A16, B16, C17, D17, E17, F17, G17, A17, B17, C18, D18, E18, F18, G18, A18, B18, C19, D19, E19, F19, G19, A19, B19, C20, D20, E20, F20, G20, A20, B20, C21, D21, E21, F21, G21, A21, B21, C22, D22, E22, F22, G22, A22, B22, C23, D23, E23, F23, G23, A23, B23, C24, D24, E24, F24, G24, A24, B24, C25, D25, E25, F25, G25, A25, B25, C26, D26, E26, F26, G26, A26, B26, C27, D27, E27, F27, G27, A27, B27, C28, D28, E28, F28, G28, A28, B28, C29, D29, E29, F29, G29, A29, B29, C30, D30, E30, F30, G30, A30, B30, C31, D31, E31, F31, G31, A31, B31, C32, D32, E32, F32, G32, A32, B32, C33, D33, E33, F33, G33, A33, B33, C34, D34, E34, F34, G34, A34, B34, C35, D35, E35, F35, G35, A35, B35, C36, D36, E36, F36, G36, A36, B36, C37, D37, E37, F37, G37, A37, B37, C38, D38, E38, F38, G38, A38, B38, C39, D39, E39, F39, G39, A39, B39, C40, D40, E40, F40, G40, A40, B40, C41, D41, E41, F41, G41, A41, B41, C42, D42, E42, F42, G42, A42, B42, C43, D43, E43, F43, G43, A43, B43, C44, D44, E44, F44, G44, A44, B44, C45, D45, E45, F45, G45, A45, B45, C46, D46, E46, F46, G46, A46, B46, C47, D47, E47, F47, G47, A47, B47, C48, D48, E48, F48, G48, A48, B48, C49, D49, E49, F49, G49, A49, B49, C50, D50, E50, F50, G50, A50, B50, C51, D51, E51, F51, G51, A51, B51, C52, D52, E52, F52, G52, A52, B52, C53, D53, E53, F53, G53, A53, B53, C54, D54, E54, F54, G54, A54, B54, C55, D55, E55, F55, G55, A55, B55, C56, D56, E56, F56, G56, A56, B56, C57, D57, E57, F57, G57, A57, B57, C58, D58, E58, F58, G58, A58, B58, C59, D59, E59, F59, G59, A59, B59, C60, D60, E60, F60, G60, 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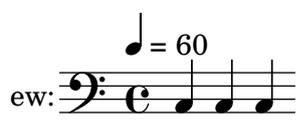
crescendo-gap-compatible-target-midi.ly



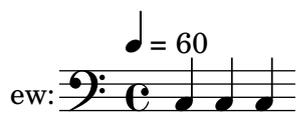
crescendo-return-crescendo-midi.ly



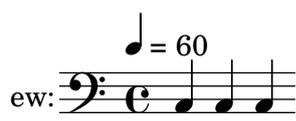
crescendo-return-louder-target-midi.ly



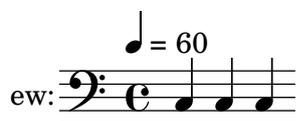
crescendo-return-softer-target-midi.ly



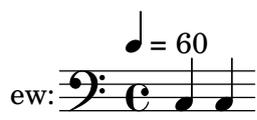
crescendo-return-unspecified-target-midi.ly



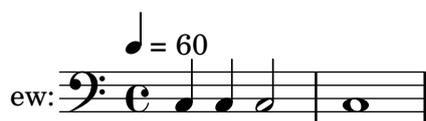
crescendo-single-compatible-target-midi.ly



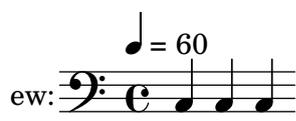
crescendo-single-unspecified-target-midi.ly



decrescendo-multiple-compatible-target-midi.ly



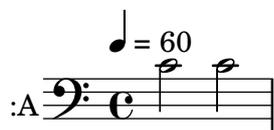
## decremento-single-contrary-target-midi.ly



## dynamic-initial-midi.ly



## dynamic-voices-sequential-midi.ly

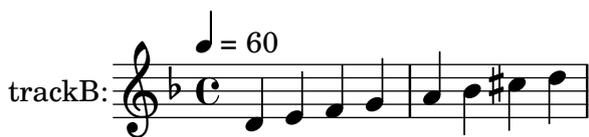


## dynamic-voices-simultaneous-midi.ly



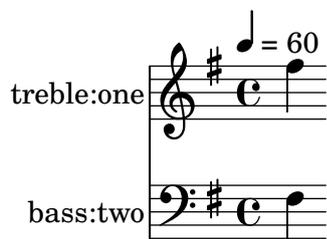
## key-initial-midi.ly

keys work in MIDI, this is d-minor



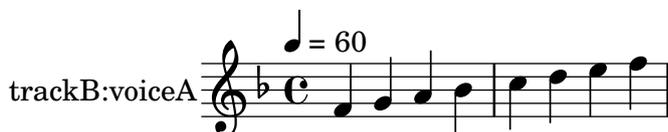
## key-option-all-staves-midi.ly

Midi2ly -key works on all staves, this is G major (-key=1)



## key-option-midi.ly

midi2ly's option --key works, this is F major.



### lyric-combine-switch-voice-midi.ly

It is possible to switch the voice that `\lyricsto` follows.

$\text{♩} = 60$   
 :Va 
  
 Hoo hah.

### lyric-repeat-count-midi.ly

$\text{♩} = 60$   
  
 Lo rem. Ip sum. Do lor. Sit. A met.

### lyric-tie-midi.ly

$\text{♩} = 60$   
 :uniqueContext0 
  
 a a a a a

### lyrics-addlyrics-midi.ly

Lyrics are preserved

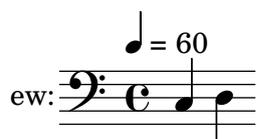
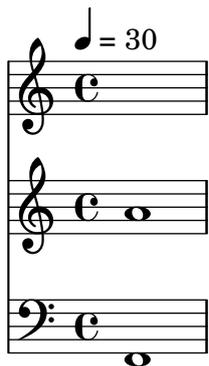
$\text{♩} = 60$   
 :uniqueContext0 
  
 Girls and boys come out to play,

### midi-overlapping-notes-midi.ly

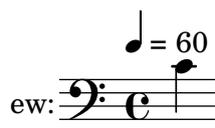
$\text{♩} = 60$

### midi-polymeter-midi.ly

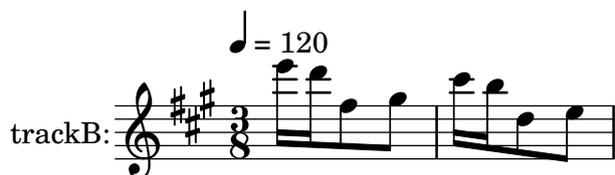
$\text{♩} = 60$

**music-after-fine-warning-midi.ly****pan-position-midi.ly****partcombine-midi.ly**

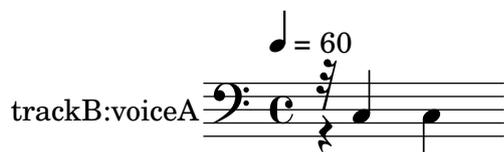
PartCombined music is preserved

**performance-name-utf8-midi.ly****quantize-duration-2-midi.ly**

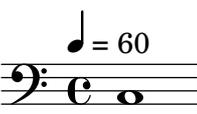
midi2ly's option `--duration-quant` preserves first note length (16).

**quantize-duration-midi.ly**

midi2ly's option `--duration-quant` quantizes durations of notes.

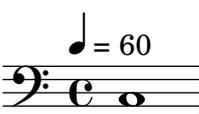




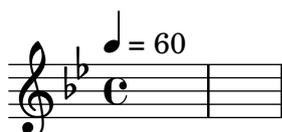
Title shared between layout and MIDI 

### sequence-name-scoping-midi.ly

If a score has a `\header` block which defines a title, this title should override any title defined in a `\header` block of the score's enclosing `\bookpart` or `\book` (or a title defined in a top-level `\header` block) when naming the MIDI sequence generated from the score. Otherwise, if the score has no title defined, the MIDI sequence generated from the score should get named using the title defined in the `\header` block of the nearest enclosing `\bookpart`, `\book`, or top-level scope that contains a title definition.

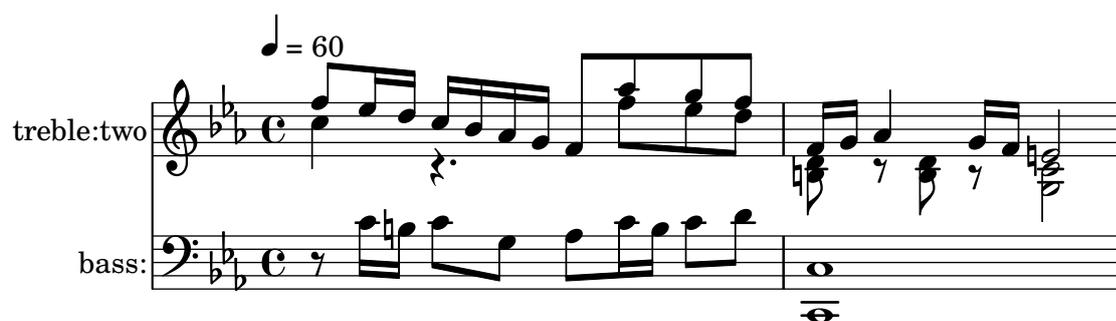
Book 

### spacer-no-notes-midi.ly



### staff-map-instrument-midi.ly

Midi2ly remaps voices correctly to staves in MIDI-files that use `instrument<->channel` mapping when combined with `voice<->track` mapping. TODO: pianostaff

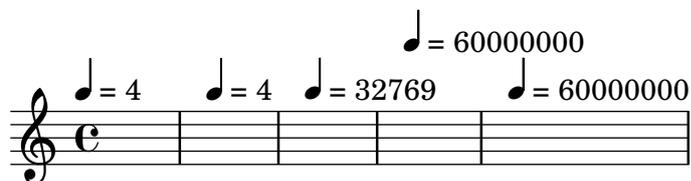


### staff-map-voice-midi.ly

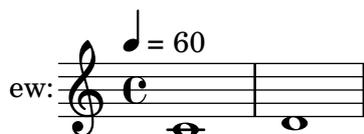
Midi2ly remaps voices correctly to staves in MIDI-files that use `voice<->channel` mapping when combined with `staff<->track` mapping. TODO: pianostaff



### tempo-midi.ly

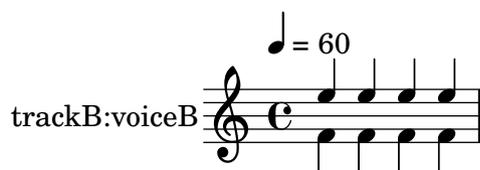


### varcoda-midi.ly



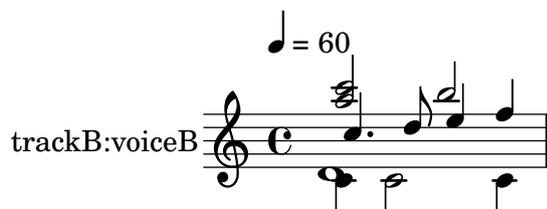
### voice-2-midi.ly

midi2ly maps two voices nicely on one staff as `\voiceOne`, `\voiceTwo`



### voice-4-midi.ly

midi2ly maps four voices nicely on one staff as `\voiceOne`, `\voiceTwo`, `\voiceThree`, `\voiceFour`



### voice-5-midi.ly

midi2ly still produces output for a staff with five voices. However, in such cases, most probably the the correct `\voiceOne`, `\voiceX...` mapping is lost.

