

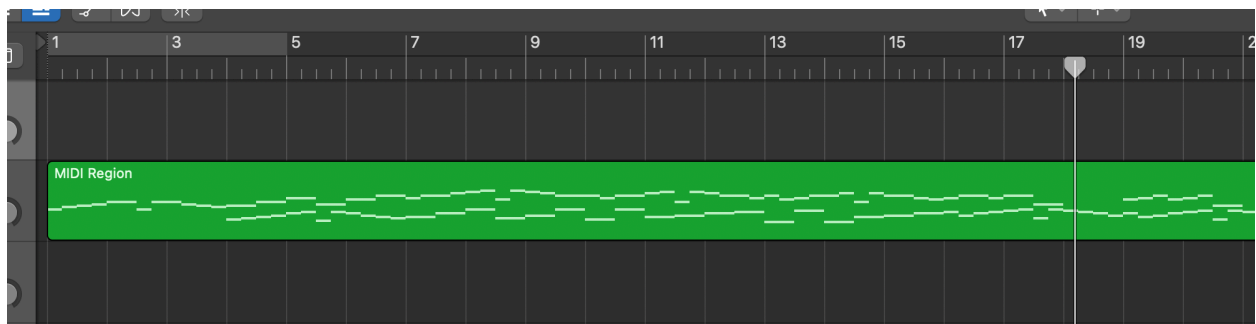
## Logic 11.2 Transform problems

Issue: Double speed and half-speed transformations are producing unexpected results

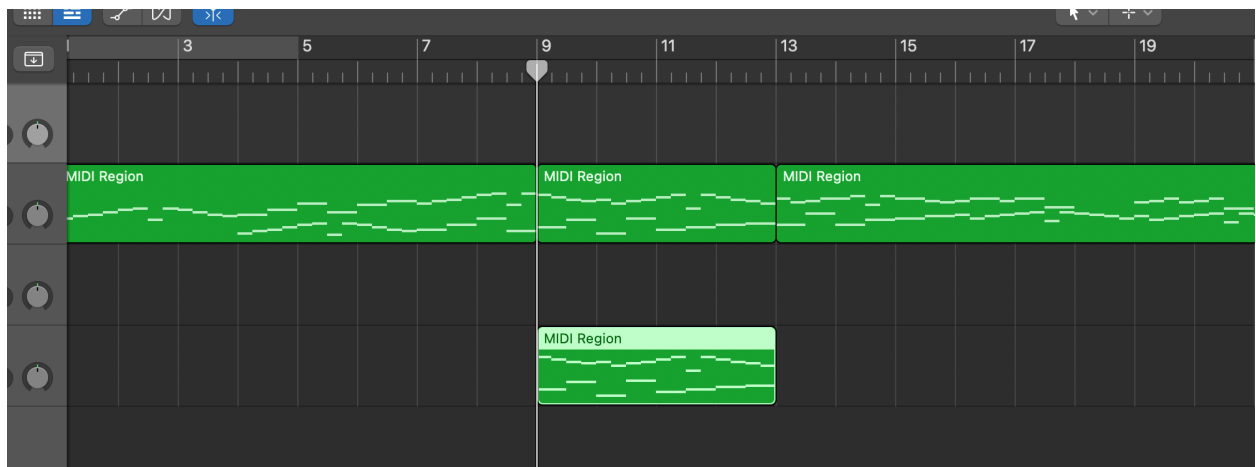
I began experimenting with these processes to try to determine what was causing the weird transformation results. The cause appears to be a “feature” in Logic 11.2 that is creating a shadow copy of an entire midi file when only a selection is needed for transformation. I think I found a solution las night with a Bach piece. I’ll illustrate here.

The piece I am working with is 78 measures long. I’ll attempt to double speed measures 9 through 13.

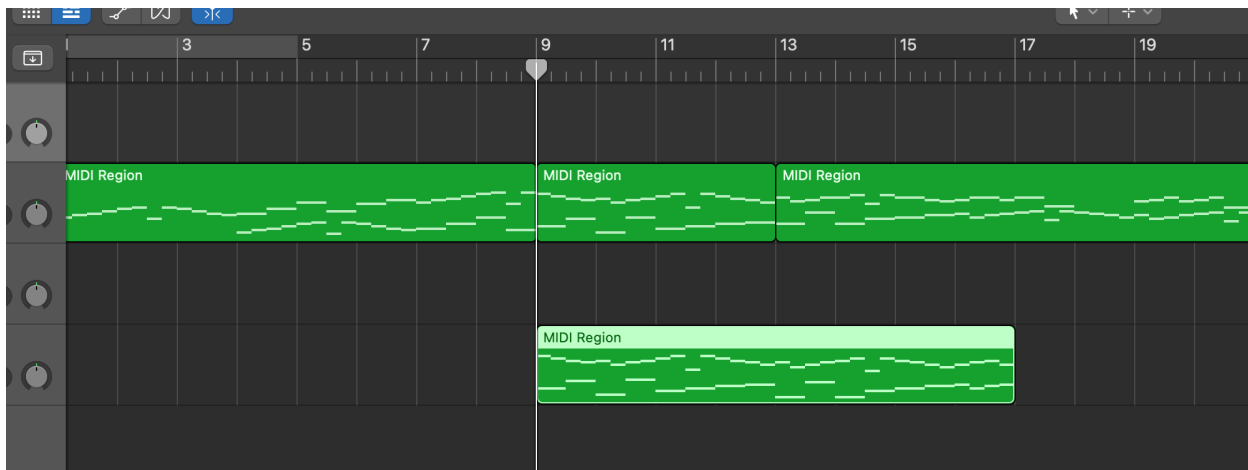
Here is the relevant section of the piece:



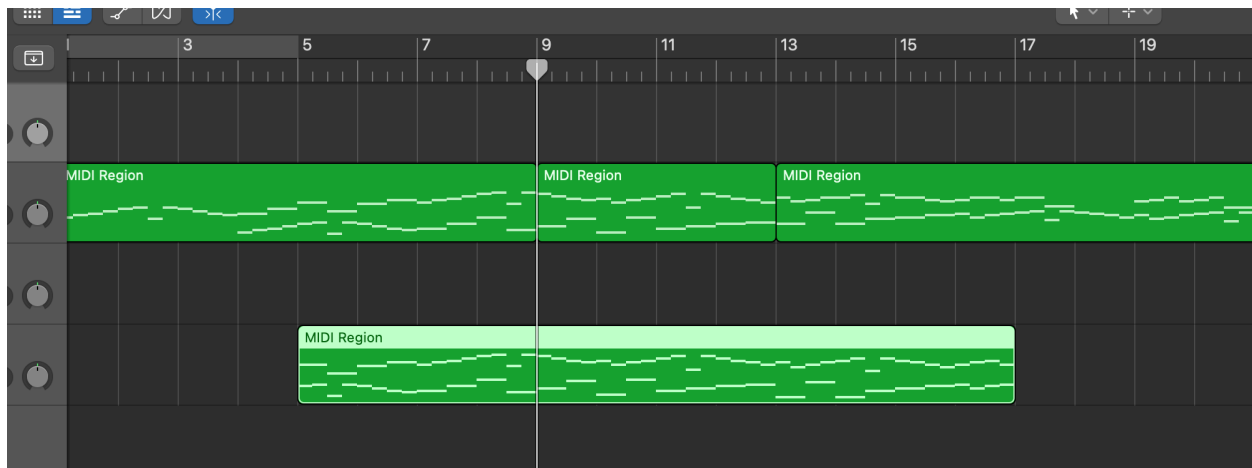
I’ll first select and copy measures 9 through 13.



This looks fine, so far. We would next normally apply the transformation to the copied section, and expect a two measure result. But, while this looks like only two measures there is hidden data before and after it. If we stretch it out to bar 17, we’ll see that the rest of what was contained in 13 through 17 is still there.

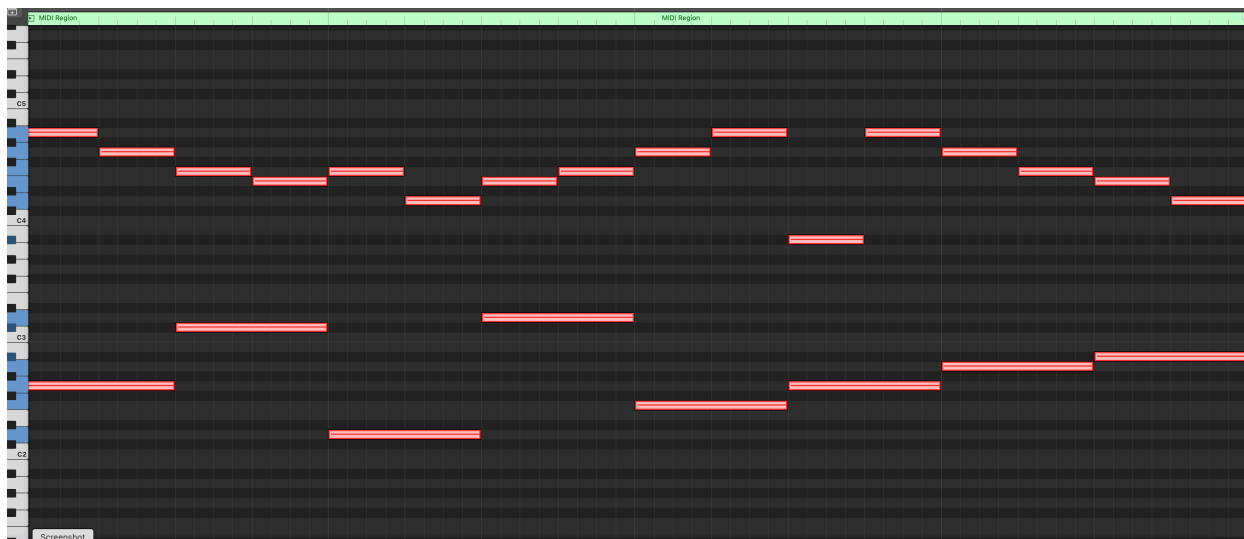


Likewise, there is hidden data if we stretch the other direction

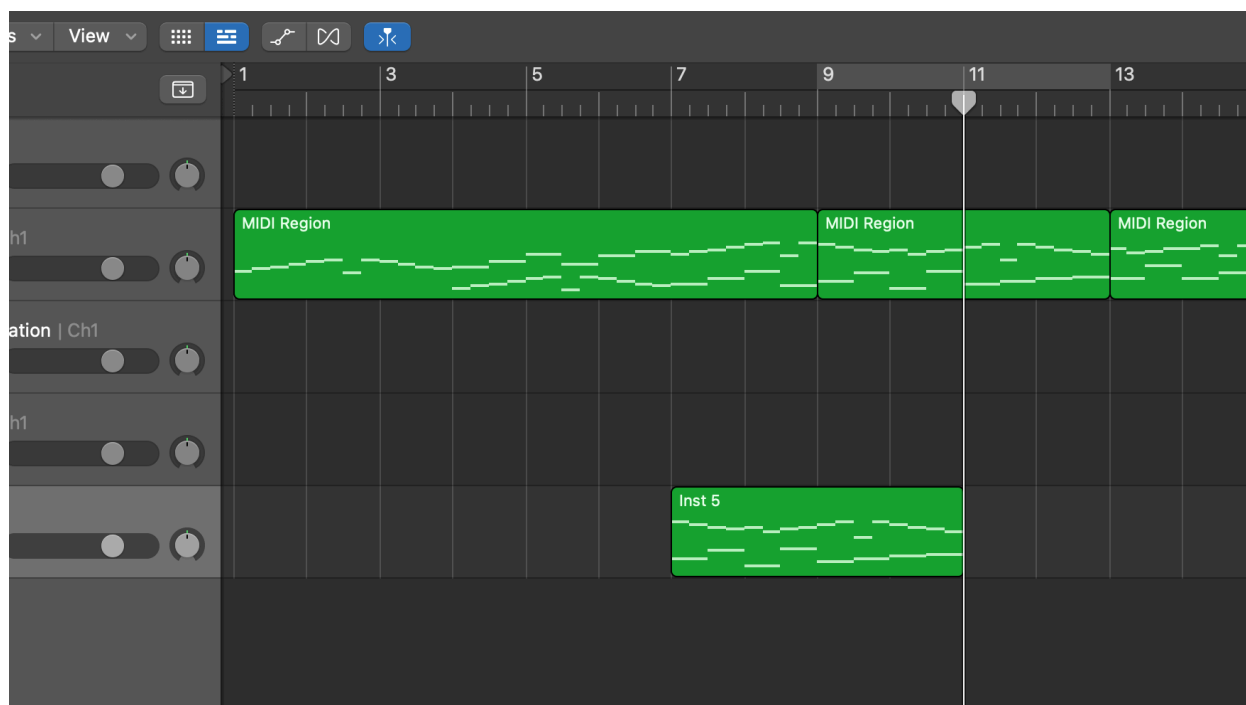


We need to be able to operate on just bars 9 through 13. The only solution I have found thus far is to work with the piano roll editor window.

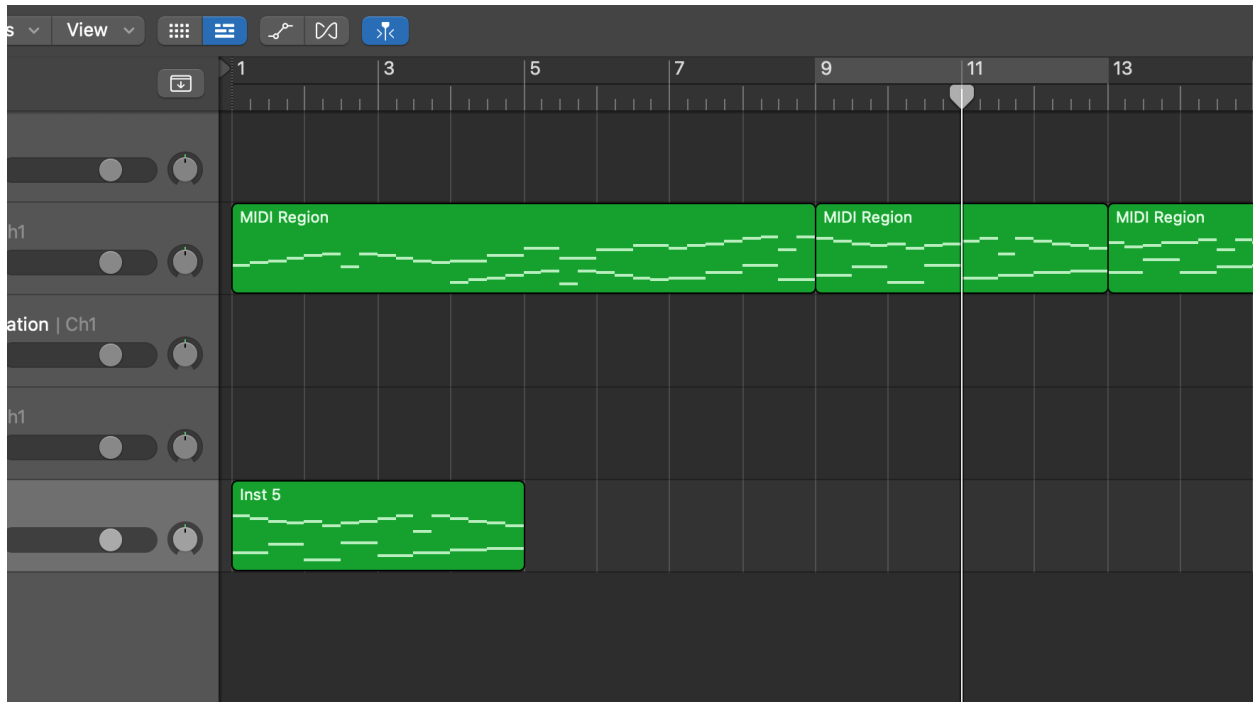
In the piano roll editor, display the region you wish to manipulate.



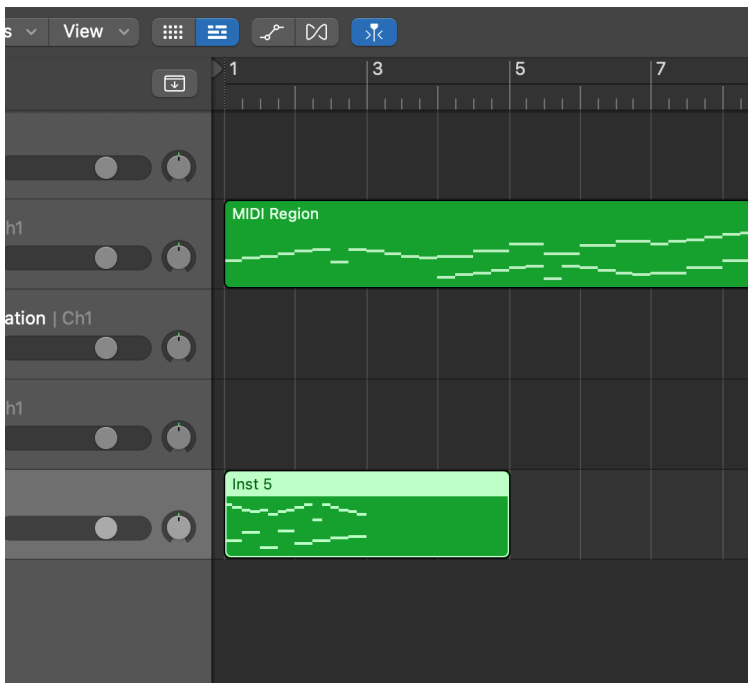
Select all, and copy, and paste into a new region on a different midi track.



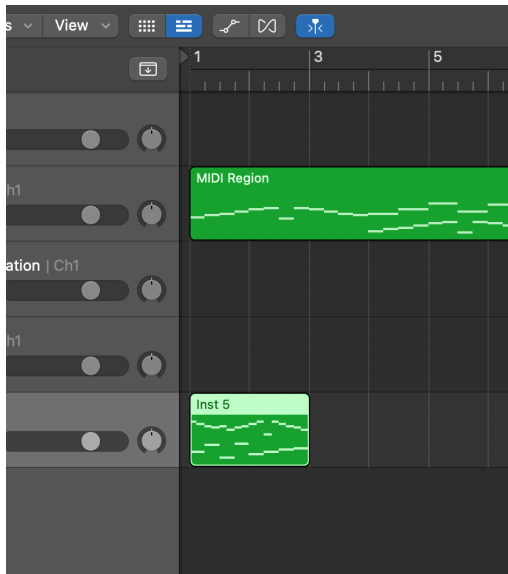
Move that region to position 1.1.1



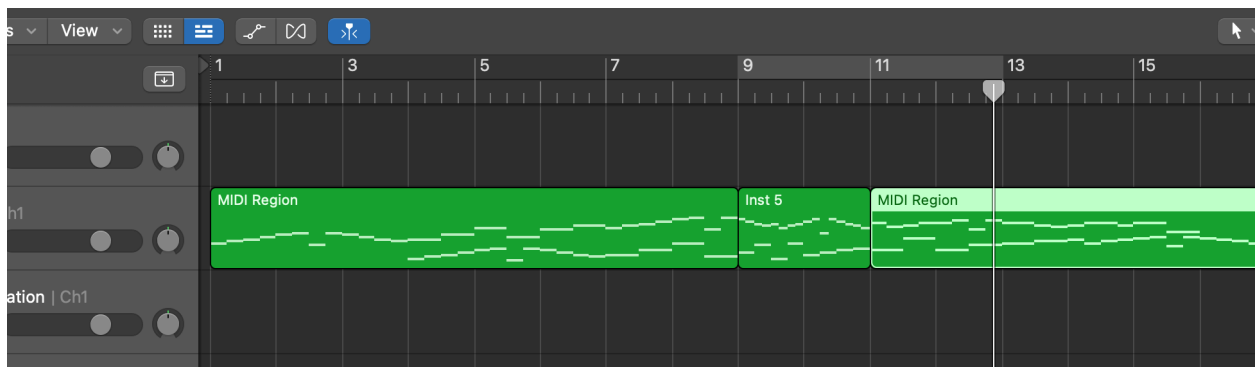
Apply the Double speed transform to that region.



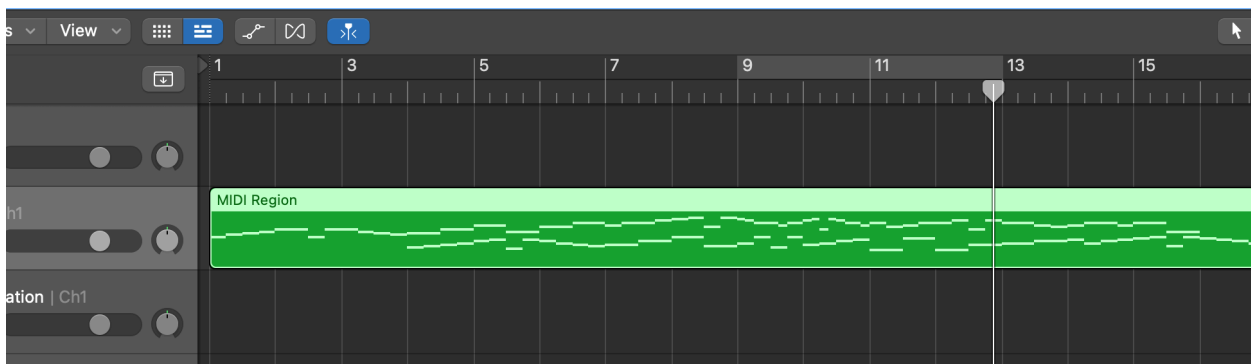
Delete the dead space and cut to two bars.



Now, you can replace the section in the original piece, by deleting the original, moving the transformed region into place, and then dragging the part after the cut into place.



You can then join the regions, if desired.



I'd be happy to learn of a better methodology, but this is the best I've found so far.