

Note rhythm-maker

NoteRhythmMaker()

[I-1]

[I-2]

[I-2]

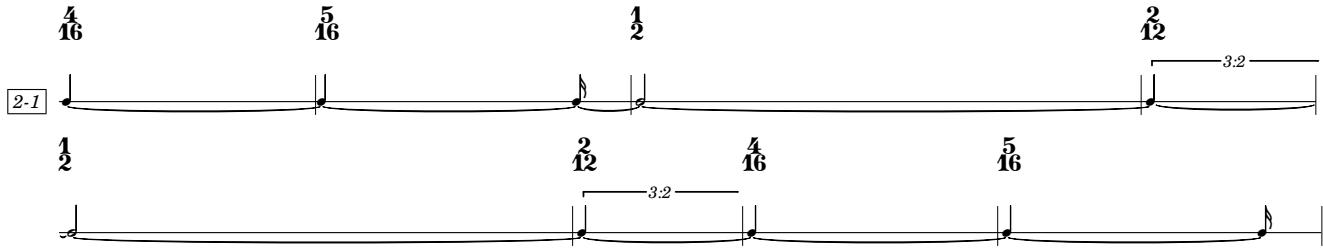
[I-3]

[I-4]

```

NoteRhythmMaker(
    tieSpecifier=TieSpecifier(
        tie_across_divisions=True,
        tie_split_notes=True,
    ),
)

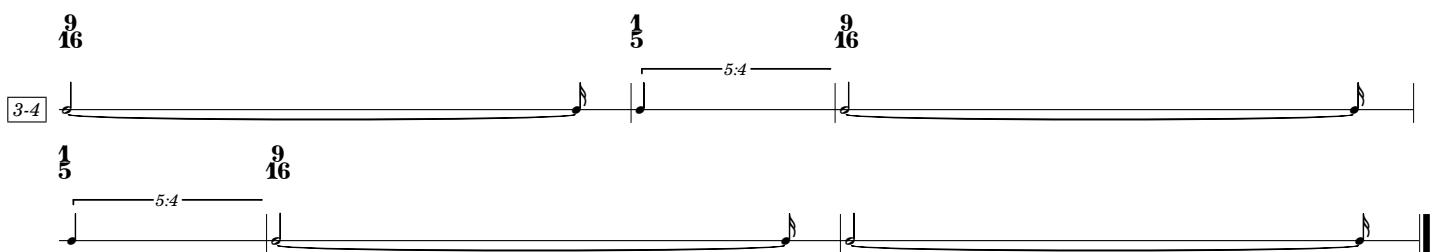
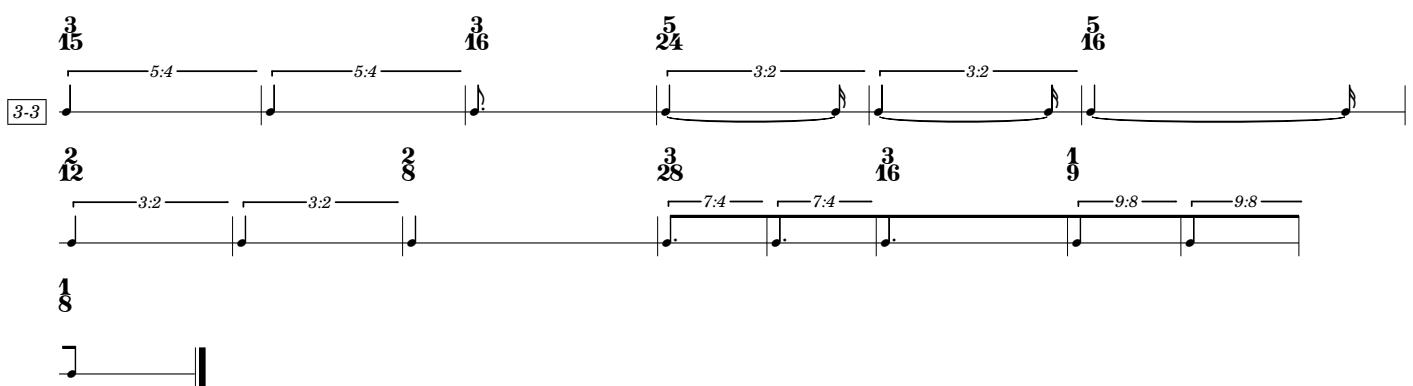
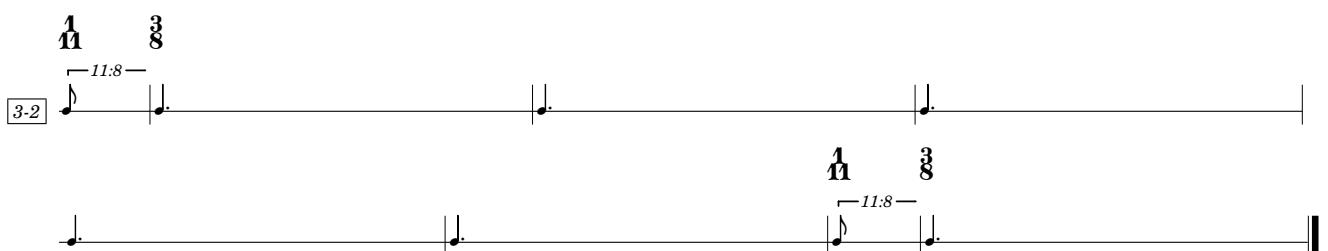
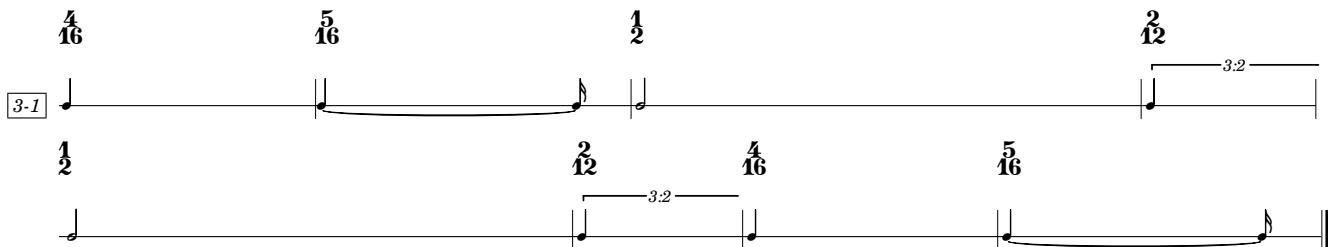
```



```

NoteRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beam_each_division=True,
        beam_divisions_together=True,
    ),
)

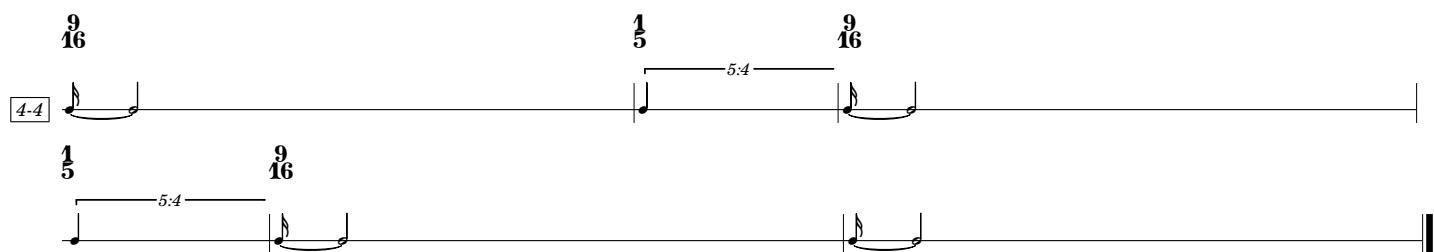
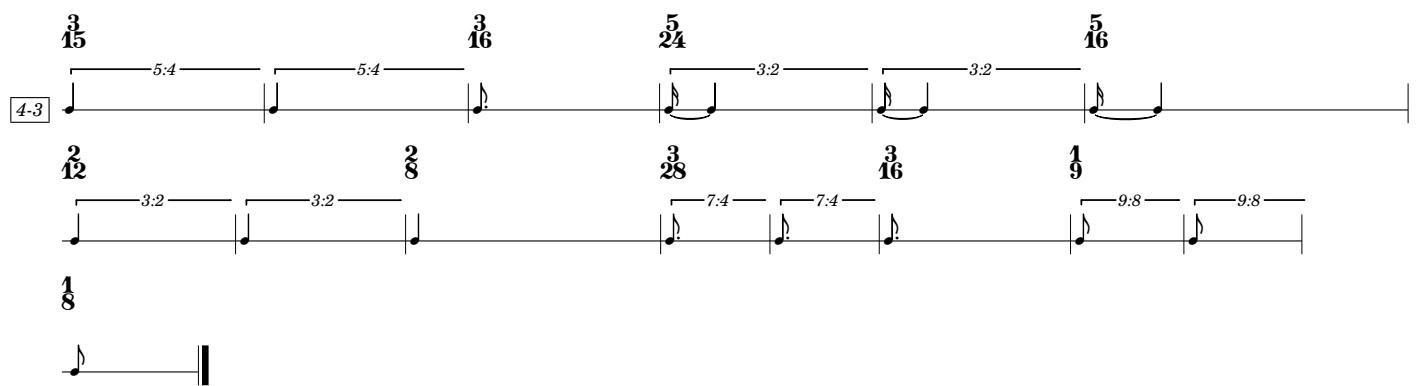
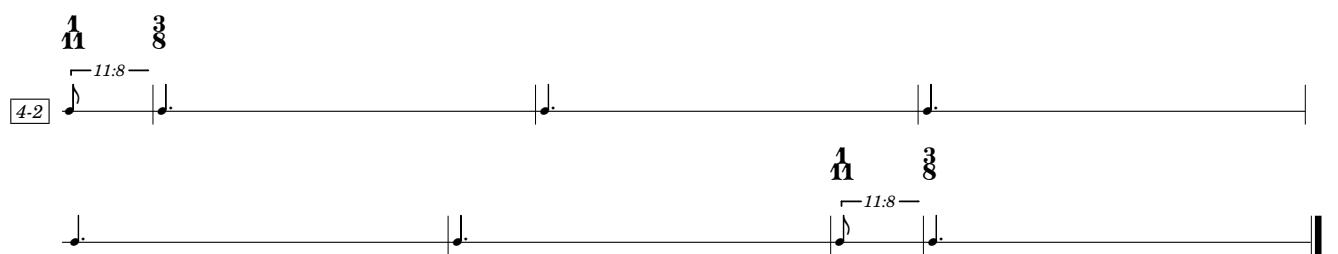
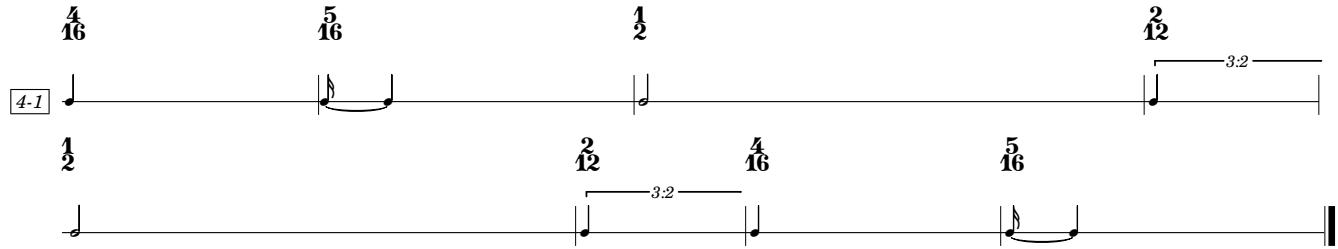
```



```

NoteRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=False,
    ),
)

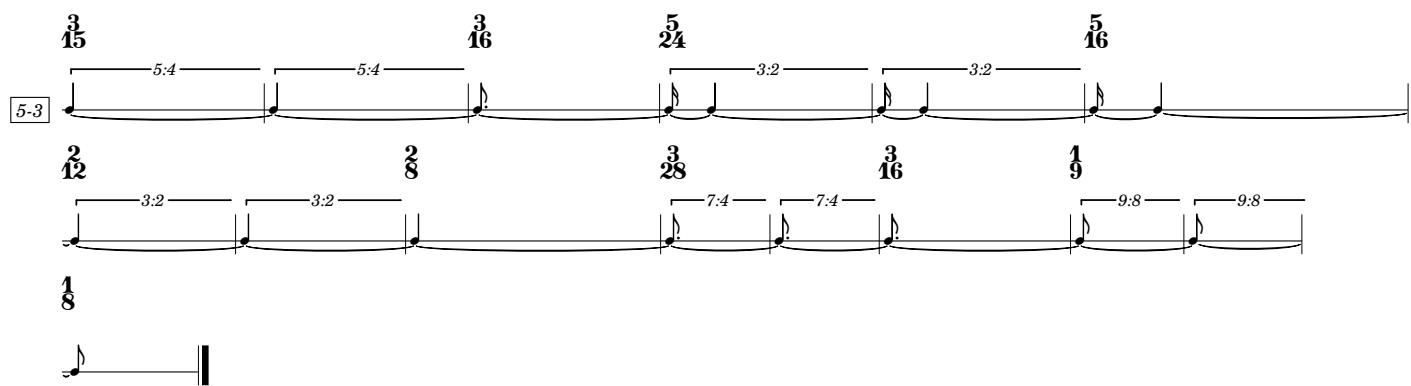
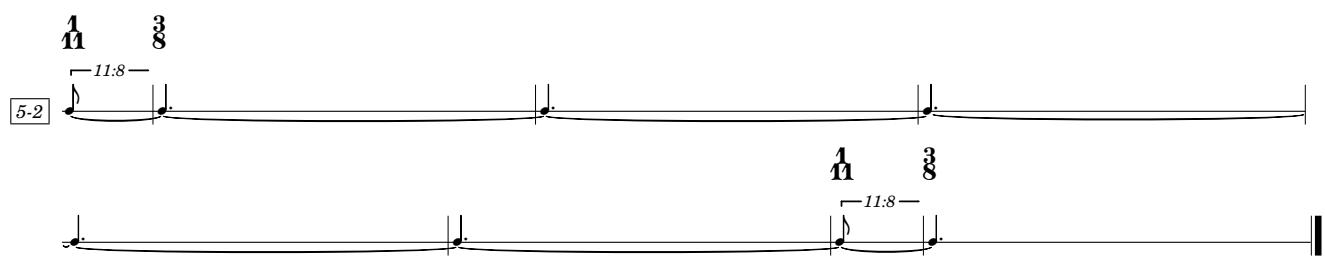
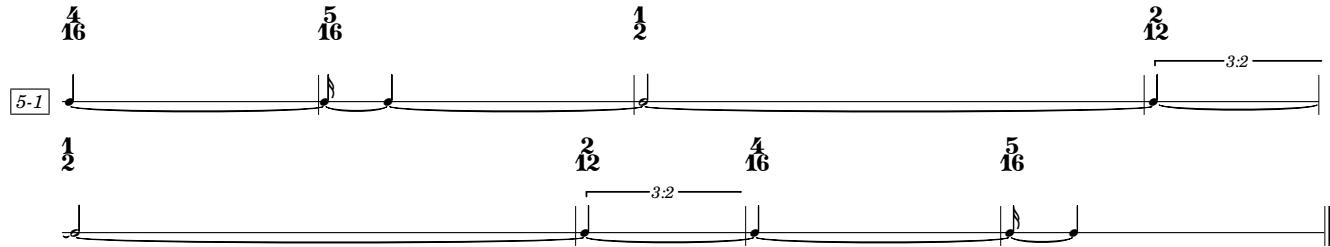
```



```

NoteRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durationsMonotonically=False,
    ),
    tieSpecifier=TieSpecifier(
        tieAcrossDivisions=True,
        tieSplitNotes=True,
    ),
)

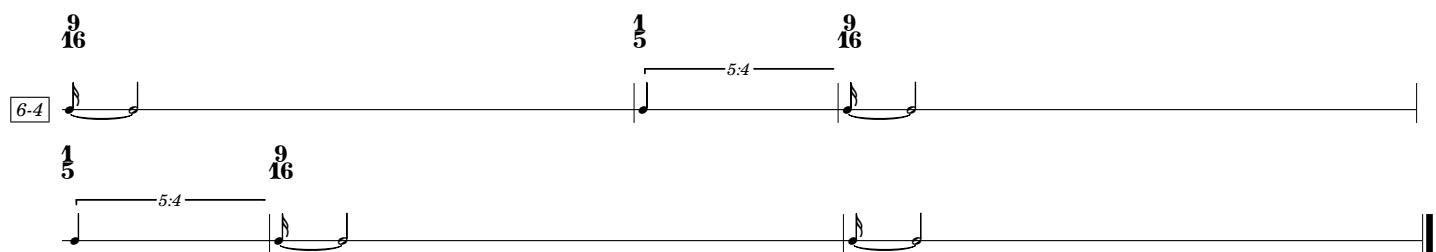
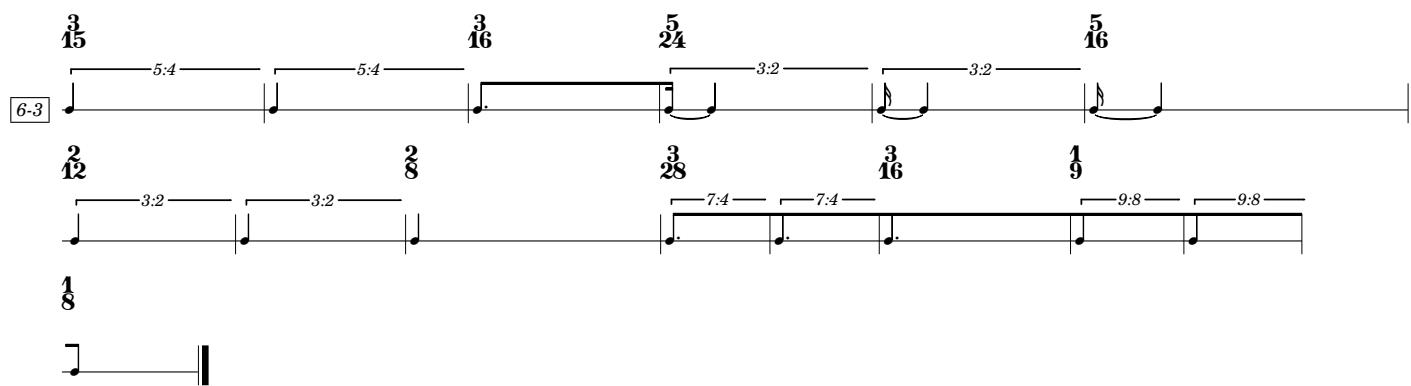
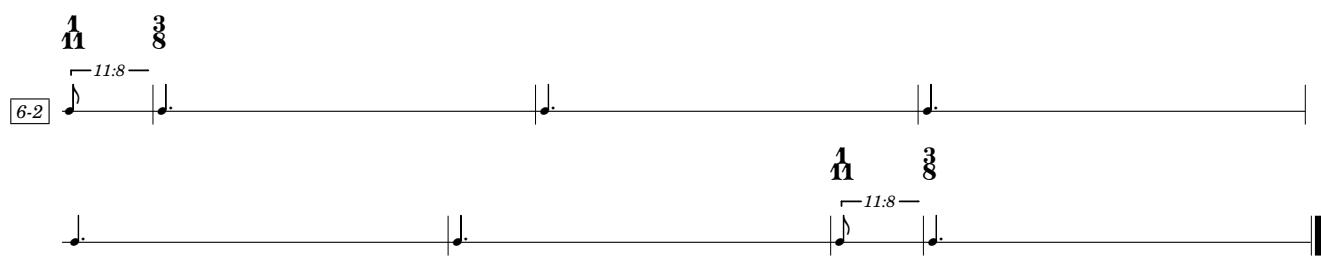
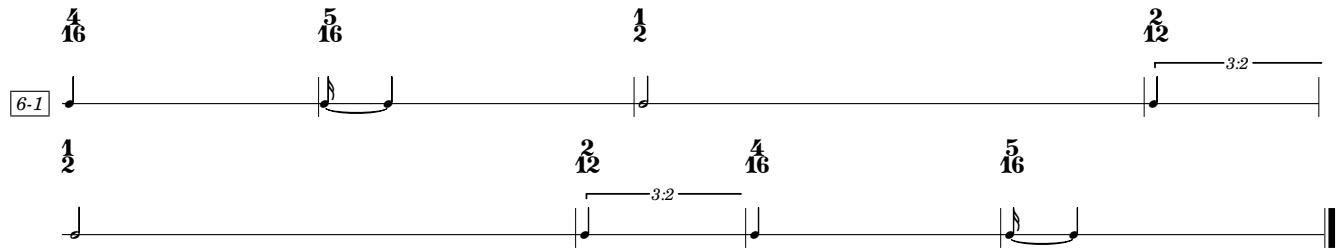
```



```

NoteRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beam_each_division=True,
        beam_divisions_together=True,
    ),
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=False,
    ),
)

```



```

NoteRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=True,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
)

```

7-1

4
5
1
1
12
1
3.2

7-1

7-2

11 3
11:8
11 3
11:8

7-2

7-3

3 3
5.4 5.4
16
24 3.2 3.2
16
2 3 3 3
12 8 28 16 9
1 8

7-3

7-4

9 9
5 5.4
16
5 5.4
16

7-4

```

NoteRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=True,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
    tieSpecifier=TieSpecifier(
        tie_across_divisions=True,
        tie_split_notes=True,
    ),
)

```

8-1

4 16 5 16 1 2 12

8-1

3.2

8-2

11 3 8

11:8

8-2

11 3 8

11:8

8-3

3 15 3 16 5 24 5 16

5:4 5:4 3:2 3:2

2 12 2 8 3 28 3 16 1 9

3.2 3.2 7:4 7:4 9:8 9:8

1 8

8-3

8-4

9 16 1 5 9 16

5:4

8-4

1 5 9 16

5:4

```

NoteRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=False,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
)

```

9-1

4
5
1
2
3
5

3.2

9-2

11
3
11
3
11
3

11:8

9-3

3
15
16
5
16
2
3
28
3
16
4
8

5.4
5.4
3.2
3.2
7.4
7.4
9.8
9.8

9-4

9
16
1
5
9
16
1
5
9
16

5.4
5.4

```

NoteRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=False,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
    tieSpecifier=TieSpecifier(
        tie_across_divisions=True,
        tie_split_notes=True,
    ),
)

```

10-1

10-1

10-2

10-2

10-3

10-3

10-4

10-4

```

NoteRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beamEachDivision=False,
        beamDivisionsTogether=False,
    ),
    durationSpellingSpecifier=DurationSpellingSpecifier(
        decreaseDurationsMonotonically=True,
        forbiddenWrittenDuration=durationtools.Duration(1, 4),
    ),
),
)

```

[11-1]

4/16 5/16 1/2 1/2 4/16 5/16

1/2 2/12 4/16 5/16

3:2

[11-2]

4/8 3/8 4/8

11:8

[11-3]

3/15 3/16 5/24 5/16

5:4 5:4

2/12 8/8 3/8 3/16 9/8

3:2 3:2

7:4 7:4

9:8 9:8

8/8

[11-4]

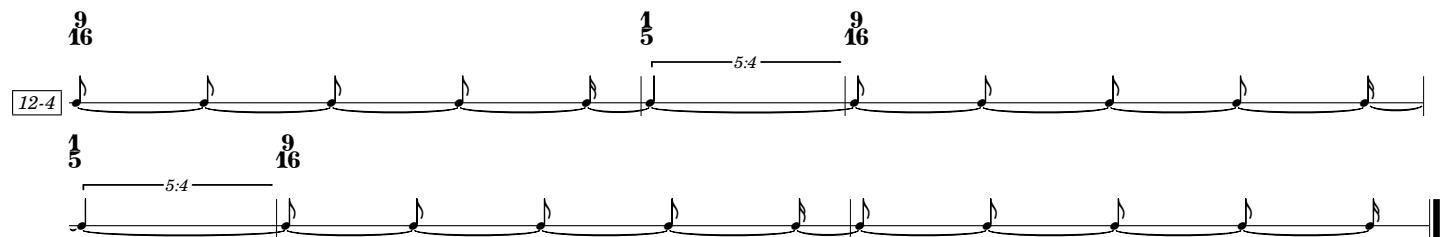
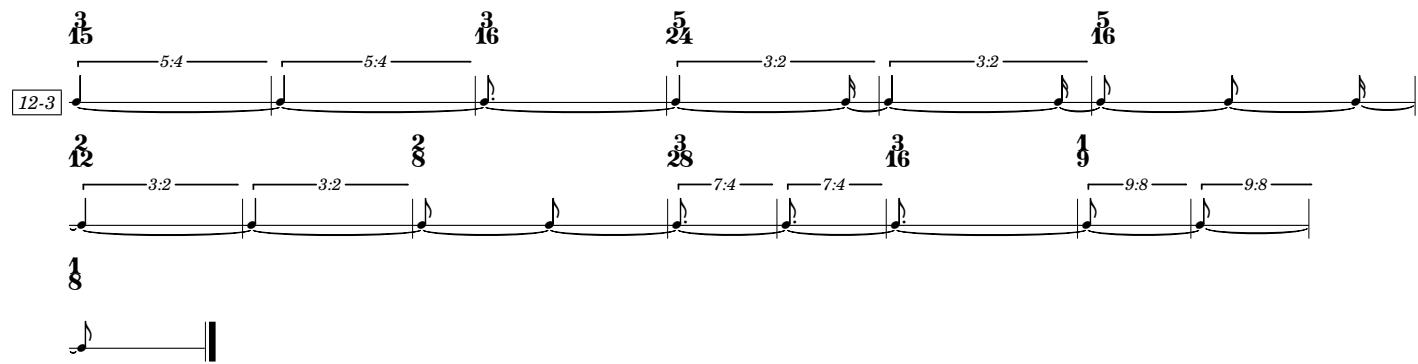
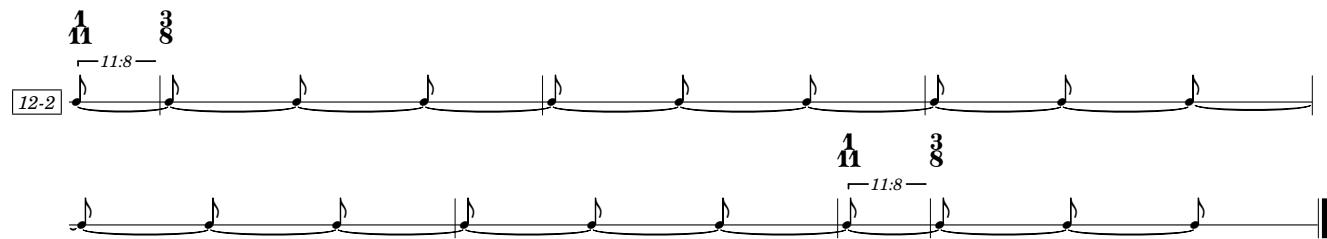
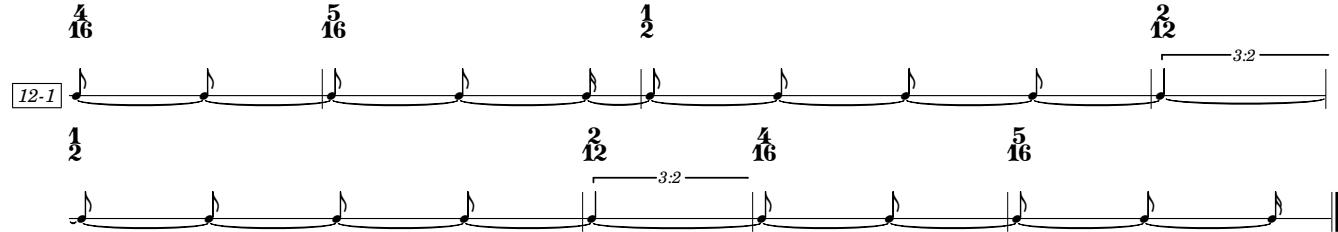
9/16 1/5 9/16

5:4 5:4

```

NoteRhythmMaker(
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        beamEachDivision=False,
        beamDivisionsTogether=False,
    ),
    durationSpellingSpecifier=DurationSpellingSpecifier(
        decreaseDurationsMonotonically=True,
        forbiddenWrittenDuration=durationtools.Duration(1, 4),
    ),
    tieSpecifier=TieSpecifier(
        tieAcrossDivisions=True,
        tieSplitNotes=True,
    ),
)

```



```

NoteRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beamEachDivision=False,
        beamDivisionsTogether=False,
    ),
    durationSpellingSpecifier=DurationSpellingSpecifier(
        decreaseDurationsMonotonically=False,
        forbiddenWrittenDuration=durationtools.Duration(1, 4),
    ),
)

```

[13-1]

4/16 **5/16** **1/2** **1/2**

1/2 **2/12** **4/16** **5/16**

[13-2]

4/8 **3/8** **4/8**

[13-3]

3/15 **3/16** **5/24** **5/16**

2/12 **2/8** **3/8** **3/16** **4/9**

1/8

[13-4]

9/16 **1/5** **9/16**

```

NoteRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beamEachDivision=False,
        beamDivisionsTogether=False,
    ),
    durationSpellingSpecifier=DurationSpellingSpecifier(
        decreaseDurationsMonotonically=False,
        forbiddenWrittenDuration=durationtools.Duration(1, 4),
    ),
    tieSpecifier=TieSpecifier(
        tieAcrossDivisions=True,
        tieSplitNotes=True,
    ),
)

```

[14-1]

16 5 2 12 2 12 4 16 5 12

3.2

[14-2]

11 3 11 3

11.8

[14-3]

15 3 24 5 16 2 8 3 8 16 4 9

5:4 5:4 3:2 3:2 7:4 7:4 9:8 9:8

[14-4]

9 5 16 5 9

5:4 5:4

Rest rhythm-maker

RestRhythmMaker()

1-1 1-2 1-3 1-4

1-1: Measures 1-1 through 1-4 show a pattern of rests and quarter notes. Measure 1-1 starts with a 16th note rest followed by a 16th note. Measure 1-2 starts with a 2nd note rest followed by a 16th note. Measure 1-3 starts with a 16th note rest followed by a 16th note. Measure 1-4 starts with a 2nd note rest followed by a 16th note.

1-2: Measures 1-5 through 1-8 show a pattern of rests and quarter notes. Measure 1-5 starts with a 16th note rest followed by a 16th note. Measure 1-6 starts with a 16th note rest followed by a 16th note. Measure 1-7 starts with a 16th note rest followed by a 16th note. Measure 1-8 starts with a 16th note rest followed by a 16th note.

1-3: Measures 1-9 through 1-12 show a pattern of rests and quarter notes. Measure 1-9 starts with a 16th note rest followed by a 16th note. Measure 1-10 starts with a 16th note rest followed by a 16th note. Measure 1-11 starts with a 16th note rest followed by a 16th note. Measure 1-12 starts with a 16th note rest followed by a 16th note.

1-4: Measures 1-13 through 1-16 show a pattern of rests and quarter notes. Measure 1-13 starts with a 16th note rest followed by a 16th note. Measure 1-14 starts with a 16th note rest followed by a 16th note. Measure 1-15 starts with a 16th note rest followed by a 16th note. Measure 1-16 starts with a 16th note rest followed by a 16th note.

1-5 1-6 1-7 1-8

1-5: Measures 1-5 through 1-8 show a pattern of rests and quarter notes. Measure 1-5 starts with a 16th note rest followed by a 16th note. Measure 1-6 starts with a 16th note rest followed by a 16th note. Measure 1-7 starts with a 16th note rest followed by a 16th note. Measure 1-8 starts with a 16th note rest followed by a 16th note.

1-9 1-10 1-11 1-12

1-9: Measures 1-9 through 1-12 show a pattern of rests and quarter notes. Measure 1-9 starts with a 16th note rest followed by a 16th note. Measure 1-10 starts with a 16th note rest followed by a 16th note. Measure 1-11 starts with a 16th note rest followed by a 16th note. Measure 1-12 starts with a 16th note rest followed by a 16th note.

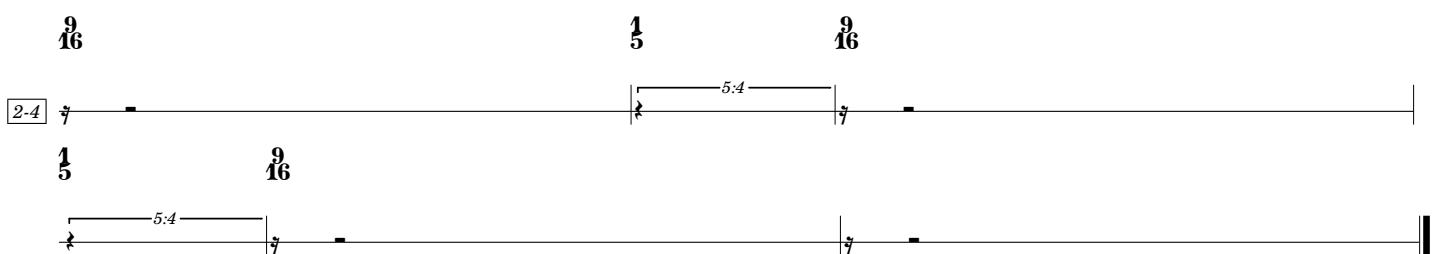
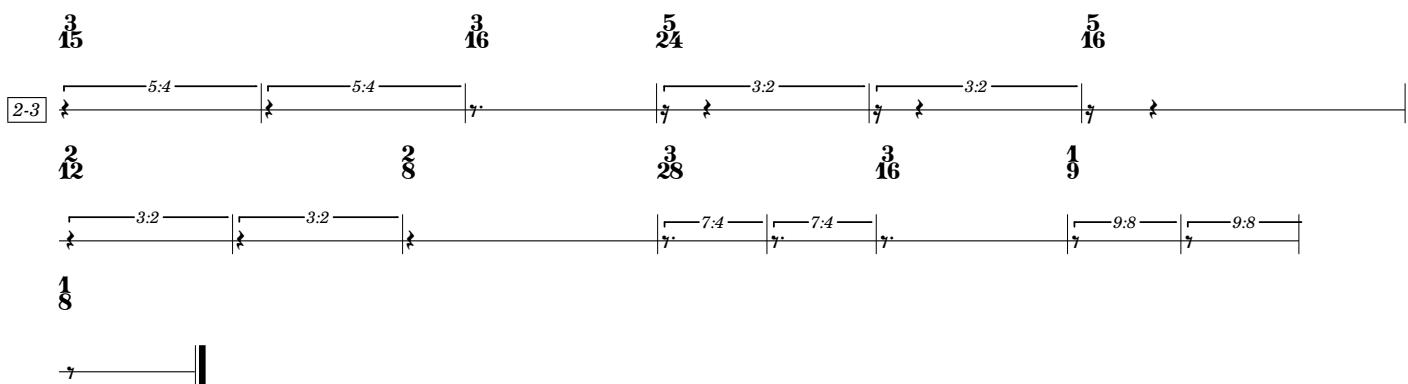
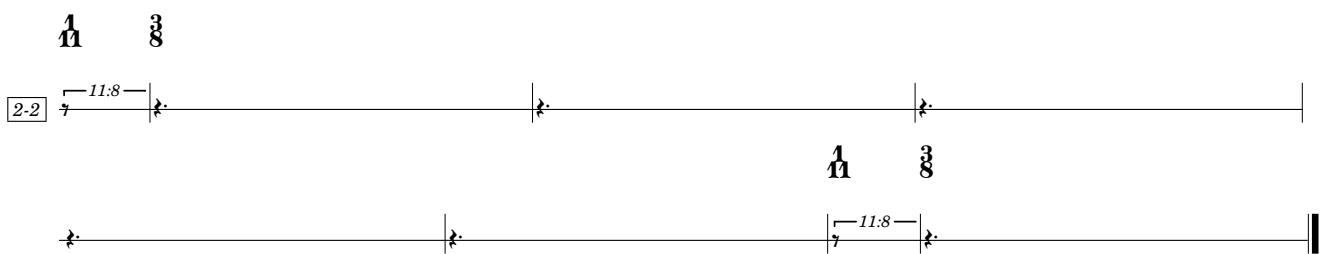
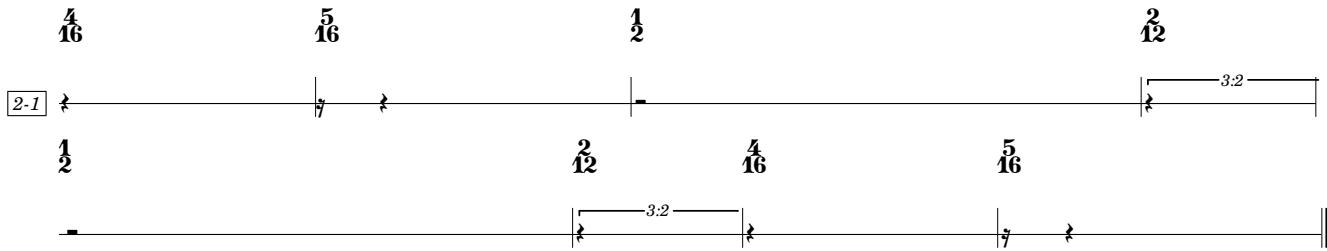
1-13 1-14 1-15 1-16

1-13: Measures 1-13 through 1-16 show a pattern of rests and quarter notes. Measure 1-13 starts with a 16th note rest followed by a 16th note. Measure 1-14 starts with a 16th note rest followed by a 16th note. Measure 1-15 starts with a 16th note rest followed by a 16th note. Measure 1-16 starts with a 16th note rest followed by a 16th note.

```

RestRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=False,
    ),
)

```



```

RestRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=True,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
)

```

3-1

4 **5** **2** **2**

16 **16** **16** **16**

3.2 **3.2**

3-2

11 **3**

11 **3**

11:8 **11:8**

3-3

15 **3** **5** **5**

16 **16** **24** **16**

5:4 **5:4** **3.2** **3.2**

2 **8** **28** **16** **9**

3.2 **3.2** **7:4** **7:4** **9:8** **9:8**

8

3-4

9 **5**

16 **16**

5:4 **5:4**

```

RestRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=False,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
)

```

4-1

16 **5** **1** **2**

4-2

1 **3**

4-3

3 **15** **3** **5**

4-4

2 **8** **3** **16**

4-5

16 **16** **16** **16**

4-6

11 **3**

4-7

3 **15** **3** **5**

4-8

2 **8** **3** **16** **9**

4-9

16 **16** **16** **16**

4-10

9 **16** **1** **9**

4-11

2 **8** **3** **16**

Even-run rhythm-maker

`EvenRunRhythmMaker()`

1-1

4/16 5/16 1/2 12/16

3.2

1/2 12/16 4/16 5/16

3.2

1/11 3/8

11:8

1-2

1/11 3/8

11:8

3/15 3/16 5/24 5/16

15:8 15:8 3.2 3.2

1-3

2/12 2/8 3/28 3/16 1/9 1/8

3.2 3.2 7:4 7:4 9:8 9:8

9/16 5/16 9/16

5:4

1-4

5/5 9/16

5:4

```

EvenRunRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beam_each_division=True,
        beam_divisions_together=True,
    ),
)

```

2-1

2-2

2-2

2-3

2-4

2-4

```

EvenRunRhythmMaker(
    beamSpecifier=BeamSpecifier(
        beam_each_division=False,
        beam_divisions_together=False,
    ),
)

```

3-1

2

12

4

16

5

2

3-2

11

3

11:8

11

3

11:8

3-3

15

3

5

5

16

16

2

8

28

16

9

8

15:8

15:8

3:2

3:2

7:4

7:4

9:8

9:8

3-4

9

5

9

16

16

5

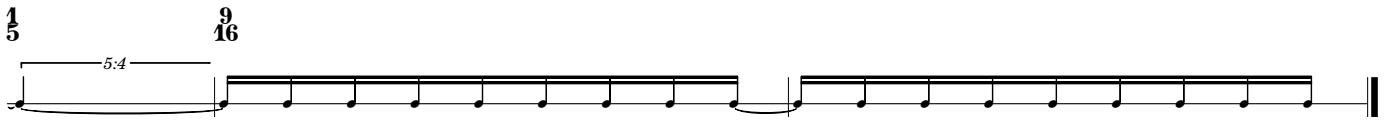
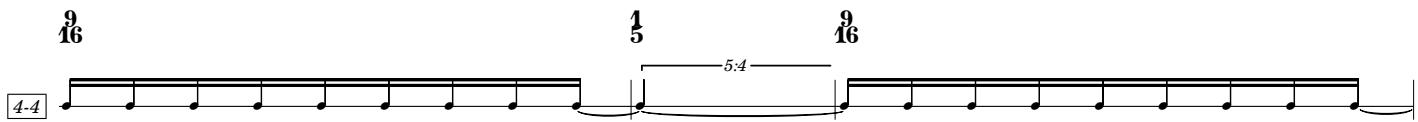
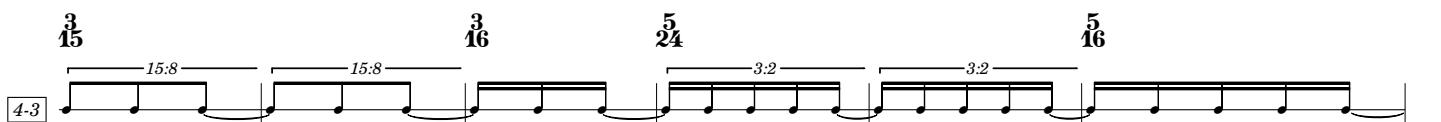
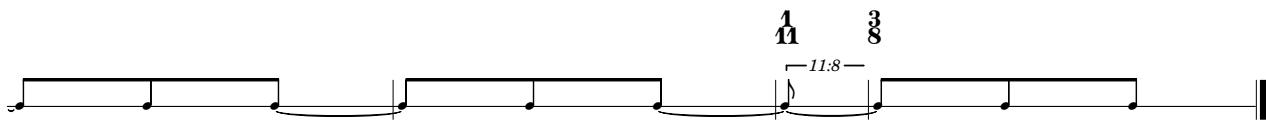
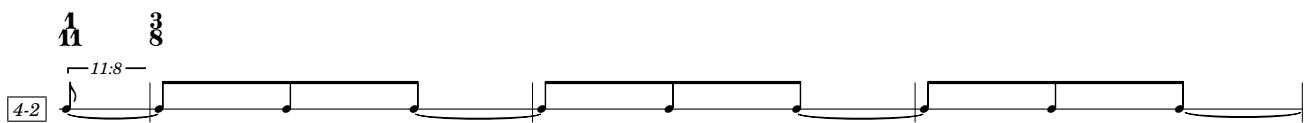
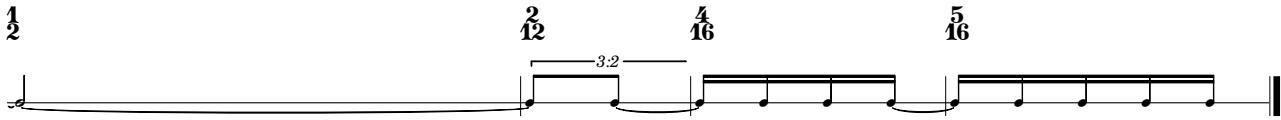
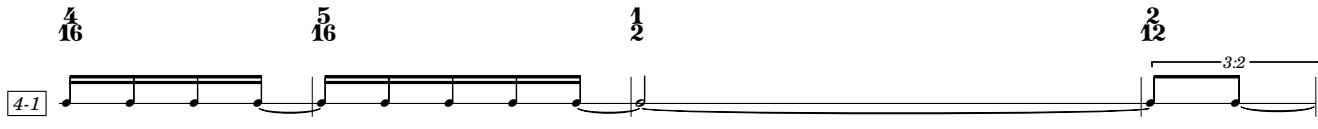
9

5:4

```

EvenRunRhythmMaker(
    tieSpecifier=TieSpecifier(
        tie_across_divisions=True,
        tie_split_notes=True,
    ),
)

```



```

EvenRunRhythmMaker(
    duration_spellingSpecifier=DurationSpellingSpecifier(
        decrease_durations_monotonically=True,
        forbidden_written_duration=durationtools.Duration(1, 4),
    ),
)

```

5-1

4 16 **5 16** **2** **12**
3.2

2 **12** **3.2** **4 16** **5 16**

5-2

11 3
11.8

11 3
11.8

5-3

3 15 **3 16** **5 24** **5 16**
15.8 15.8 3.2 3.2

2 12 **8** **3 28** **3 16** **9** **8**
3.2 3.2 7.4 7.4 9.8 9.8

5-4

9 16 **5** **9 16**
5.4

5 **9 16**
5.4

```
EvenRunRhythmMaker(  
    exponent=1,  
)
```

6-1

This measure consists of four parts: a 16th note run, followed by a 5-note run, then a single 16th note, and finally a 12-note run. The 12-note run is bracketed with a width of 3.2.

16 5 2 12
|---|---|---|---|
6-1 |----|----|----|----|

2 12 4 5
---	---	---	---

6-2

This measure consists of two parts: a 11-note run followed by a 3-note run. The 11-note run is bracketed with a width of 11.8.

11 3
|---|---|
6-2 |----|----|

This measure consists of two parts: a 11-note run followed by a 3-note run. The 11-note run is bracketed with a width of 11.8.

11 3
---	---

6-3

This measure consists of four parts: a 15-note run, a 16-note run, a 24-note run, and a 16-note run. The first two runs are bracketed with widths of 15.8 each, and the last two are bracketed with widths of 3.2 each.

3 15 3 16 5 16
|---|---|---|---|---|---|
6-3 |----|----|----|----|----|----|

2 12 2 8 3 28 3 16 1 9 1 8
|---|---|---|---|---|---|---|---|---|---|---|
|----|----|----|----|----|----|----|----|----|----|

6-4

This measure consists of three parts: a 16-note run, a 5-note run, and a 16-note run. The first two parts are bracketed with widths of 5.4 each.

9 16 5 9 16
|---|---|---|---|
6-4 |----|----|----|----|

5 9 16
---	---