

Even-run rhythm-maker

```
EvenRunRhythmMaker()
```

ER 1-1

$\frac{4}{16}$ $\frac{5}{16}$ $\frac{1}{2}$ $\frac{2}{12}$

$\frac{1}{2}$ $\frac{2}{12}$ $\frac{4}{16}$ $\frac{5}{16}$

ER 1-2

$\frac{1}{11}$ $\frac{3}{8}$

$\frac{1}{11}$ $\frac{3}{8}$

ER 1-3

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$

$\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

ER 1-4

$\frac{9}{16}$ $\frac{1}{5}$ $\frac{9}{16}$

$\frac{1}{5}$ $\frac{9}{16}$

```
EvenRunRhythmMaker(  
    beam_specifier=BeamSpecifier(  
        beam_each_division=True,  
        beam_divisions_together=True,  
    ),  
)
```

ER 2-1

$\frac{4}{16}$ $\frac{5}{16}$ $\frac{1}{2}$ $\frac{2}{12}$

A musical staff for ER 2-1. It contains four measures. The first measure has a $\frac{4}{16}$ time signature and four eighth notes. The second measure has a $\frac{5}{16}$ time signature and five eighth notes. The third measure has a $\frac{1}{2}$ time signature and a single half note. The fourth measure has a $\frac{2}{12}$ time signature and a dotted quarter note, with a 3:2 ratio indicated above the note.

$\frac{1}{2}$ $\frac{2}{12}$ $\frac{4}{16}$ $\frac{5}{16}$

A musical staff with four measures. The first measure has a $\frac{1}{2}$ time signature and a single half note. The second measure has a $\frac{2}{12}$ time signature and a dotted quarter note, with a 3:2 ratio indicated above the note. The third measure has a $\frac{4}{16}$ time signature and four eighth notes. The fourth measure has a $\frac{5}{16}$ time signature and five eighth notes. The staff ends with a double bar line.

ER 2-2

$\frac{1}{11}$ $\frac{3}{8}$

A musical staff for ER 2-2. It contains four measures. The first measure has a $\frac{1}{11}$ time signature and a dotted quarter note, with an 11:8 ratio indicated above the note. The second measure has a $\frac{3}{8}$ time signature and three eighth notes. The third measure has a $\frac{1}{11}$ time signature and a dotted quarter note. The fourth measure has a $\frac{3}{8}$ time signature and three eighth notes. The staff ends with a double bar line.

$\frac{1}{11}$ $\frac{3}{8}$

A musical staff with four measures. The first measure has a $\frac{1}{11}$ time signature and a dotted quarter note, with an 11:8 ratio indicated above the note. The second measure has a $\frac{3}{8}$ time signature and three eighth notes. The third measure has a $\frac{1}{11}$ time signature and a dotted quarter note. The fourth measure has a $\frac{3}{8}$ time signature and three eighth notes. The staff ends with a double bar line.

ER 2-3

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$

A musical staff for ER 2-3. It contains four measures. The first measure has a $\frac{3}{15}$ time signature and a dotted quarter note, with a 15:8 ratio indicated above the note. The second measure has a $\frac{3}{16}$ time signature and three sixteenth notes, with a 15:8 ratio indicated above the note. The third measure has a $\frac{5}{24}$ time signature and five sixteenth notes, with a 3:2 ratio indicated above the note. The fourth measure has a $\frac{5}{16}$ time signature and five sixteenth notes, with a 3:2 ratio indicated above the note. The staff ends with a double bar line.

$\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

A musical staff with six measures. The first measure has a $\frac{2}{12}$ time signature and a dotted quarter note, with a 3:2 ratio indicated above the note. The second measure has a $\frac{2}{8}$ time signature and two eighth notes, with a 3:2 ratio indicated above the note. The third measure has a $\frac{3}{28}$ time signature and three sixteenth notes, with a 7:4 ratio indicated above the note. The fourth measure has a $\frac{3}{16}$ time signature and three sixteenth notes, with a 7:4 ratio indicated above the note. The fifth measure has a $\frac{1}{9}$ time signature and a dotted quarter note, with a 9:8 ratio indicated above the note. The sixth measure has a $\frac{1}{8}$ time signature and an eighth note, with a 9:8 ratio indicated above the note. The staff ends with a double bar line.

ER 2-4

$\frac{9}{16}$ $\frac{4}{5}$ $\frac{9}{16}$

A musical staff for ER 2-4. It contains three measures. The first measure has a $\frac{9}{16}$ time signature and nine sixteenth notes. The second measure has a $\frac{4}{5}$ time signature and a dotted half note, with a 5:4 ratio indicated above the note. The third measure has a $\frac{9}{16}$ time signature and nine sixteenth notes. The staff ends with a double bar line.

$\frac{1}{5}$ $\frac{9}{16}$

A musical staff with two measures. The first measure has a $\frac{1}{5}$ time signature and a dotted half note, with a 5:4 ratio indicated above the note. The second measure has a $\frac{9}{16}$ time signature and nine sixteenth notes. The staff ends with a double bar line.

```
EvenRunRhythmMaker(  
    beam_specifier=BeamSpecifier(  
        beam_each_division=False,  
        beam_divisions_together=False,  
    ),  
)
```

$\frac{4}{16}$

$\frac{5}{16}$

$\frac{1}{2}$

$\frac{2}{12}$

ER
3-1

$\frac{1}{2}$ $\frac{2}{12}$ $\frac{4}{16}$ $\frac{5}{16}$

$\frac{1}{11}$ $\frac{3}{8}$

ER
3-2

$\frac{1}{11}$ $\frac{3}{8}$

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$

ER
3-3

$\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

$\frac{9}{16}$ $\frac{1}{5}$ $\frac{9}{16}$

ER
3-4

$\frac{1}{5}$ $\frac{9}{16}$

```
EvenRunRhythmMaker(
    tie_specifier=TieSpecifier(
        tie_across_divisions=True,
        tie_split_notes=True,
    ),
)
```

ER 4-1

$\frac{4}{16}$ $\frac{5}{16}$ $\frac{1}{2}$ $\frac{2}{12}$

3:2

$\frac{1}{2}$ $\frac{2}{12}$ $\frac{4}{16}$ $\frac{5}{16}$

3:2

ER 4-2

$\frac{1}{11}$ $\frac{3}{8}$

11:8

$\frac{1}{11}$ $\frac{3}{8}$

11:8

ER 4-3

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$

15:8 15:8 3:2 3:2

$\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

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

ER 4-4

$\frac{9}{16}$ $\frac{4}{5}$ $\frac{9}{16}$

5:4

$\frac{1}{5}$ $\frac{9}{16}$

5:4

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

ER 5-1

$\frac{4}{16}$ $\frac{5}{16}$ $\frac{1}{2}$ $\frac{2}{12}$

$\frac{1}{2}$ $\frac{2}{12}$ $\frac{4}{16}$ $\frac{5}{16}$

ER 5-2

$\frac{1}{11}$ $\frac{3}{8}$

$\frac{1}{11}$ $\frac{3}{8}$

ER 5-3

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$

$\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

ER 5-4

$\frac{9}{16}$ $\frac{4}{5}$ $\frac{9}{16}$

$\frac{1}{5}$ $\frac{9}{16}$