

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

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

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

ER 1-3

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$ $\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$ $\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

ER 1-4

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

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

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

ER 2-1

$\frac{4}{16}$ $\frac{5}{16}$ $\frac{1}{2}$ $\frac{2}{12}$ 3:2

Two staves of musical notation. The first staff contains a sequence of eighth notes grouped by beams, with time signatures $\frac{4}{16}$, $\frac{5}{16}$, and $\frac{1}{2}$ above. The second staff continues the sequence with a triplet of eighth notes marked 3:2, followed by a double bar line.

ER 2-2

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

Two staves of musical notation. The first staff shows a sequence of eighth notes with time signatures $\frac{1}{11}$ and $\frac{3}{8}$ above, and a 11:8 ratio indicated. The second staff continues the sequence with the same time signatures and ratio, ending with a double bar line.

ER 2-3

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

Two staves of musical notation. The first staff contains a sequence of eighth notes with time signatures $\frac{3}{15}$, $\frac{3}{16}$, $\frac{5}{24}$, and $\frac{5}{16}$ above, and ratios 15:8, 15:8, 3:2, and 3:2 indicated. The second staff continues the sequence with time signatures $\frac{2}{12}$, $\frac{2}{8}$, $\frac{3}{28}$, $\frac{3}{16}$, $\frac{1}{9}$, and $\frac{1}{8}$ above, and ratios 3:2, 3:2, 7:4, 7:4, 9:8, and 9:8 indicated, ending with a double bar line.

ER 2-4

$\frac{9}{16}$ $\frac{1}{5}$ $\frac{9}{16}$ 5:4 $\frac{1}{5}$ $\frac{9}{16}$ 5:4

Two staves of musical notation. The first staff shows a sequence of eighth notes with time signatures $\frac{9}{16}$, $\frac{1}{5}$, and $\frac{9}{16}$ above, and a 5:4 ratio indicated. The second staff continues the sequence with the same time signatures and ratio, ending with a double bar line.

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

ER
3-1

$\frac{4}{16}$

$\frac{5}{16}$

$\frac{1}{2}$

$\frac{2}{12}$

ER
3-2

$\frac{1}{11}$

$\frac{3}{8}$

ER
3-3

$\frac{3}{15}$

$\frac{3}{16}$

$\frac{5}{24}$

$\frac{5}{16}$

ER
3-4

$\frac{9}{16}$

$\frac{1}{5}$

$\frac{9}{16}$

```

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

```

ER 4-1

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

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

ER 4-2

1/11 3/8

1/11 3/8

ER 4-3

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

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

ER 4-4

9/16 1/5 9/16

1/5 9/16

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

ER 5-1

$\frac{4}{16}$ $\frac{5}{16}$ $\frac{1}{2}$ $\frac{2}{12}$ $\frac{3}{2}$

Musical notation for ER 5-1. The first staff contains four measures: the first measure has a $\frac{4}{16}$ time signature and a beamed eighth-note pattern; the second measure has a $\frac{5}{16}$ time signature and a beamed eighth-note pattern; the third measure has a $\frac{1}{2}$ time signature and a single eighth note; the fourth measure has a $\frac{2}{12}$ time signature and a beamed eighth-note pattern with a $\frac{3}{2}$ ratio indicated above. The second staff contains three measures: the first measure has a $\frac{1}{2}$ time signature and a single eighth note; the second measure has a $\frac{2}{12}$ time signature and a beamed eighth-note pattern with a $\frac{3}{2}$ ratio indicated above; the third measure has a $\frac{4}{16}$ time signature and a beamed eighth-note pattern. The piece ends with a double bar line.

ER 5-2

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

Musical notation for ER 5-2. The first staff contains four measures: the first measure has a $\frac{1}{11}$ time signature and a beamed eighth-note pattern with an $\frac{11}{8}$ ratio indicated above; the second measure has a $\frac{3}{8}$ time signature and a beamed eighth-note pattern; the third measure has a $\frac{11}{8}$ time signature and a beamed eighth-note pattern; the fourth measure has a $\frac{3}{8}$ time signature and a beamed eighth-note pattern. The second staff contains three measures: the first measure has a $\frac{1}{11}$ time signature and a beamed eighth-note pattern; the second measure has a $\frac{3}{8}$ time signature and a beamed eighth-note pattern; the third measure has a $\frac{11}{8}$ time signature and a beamed eighth-note pattern with an $\frac{11}{8}$ ratio indicated above. The piece ends with a double bar line.

ER 5-3

$\frac{3}{15}$ $\frac{3}{16}$ $\frac{5}{24}$ $\frac{5}{16}$ $\frac{2}{12}$ $\frac{2}{8}$ $\frac{3}{28}$ $\frac{3}{16}$ $\frac{1}{9}$ $\frac{1}{8}$

Musical notation for ER 5-3. The first staff contains five measures: the first measure has a $\frac{3}{15}$ time signature and a beamed eighth-note pattern with a $\frac{15}{8}$ ratio indicated above; the second measure has a $\frac{3}{16}$ time signature and a beamed eighth-note pattern with a $\frac{15}{8}$ ratio indicated above; the third measure has a $\frac{5}{24}$ time signature and a beamed eighth-note pattern with a $\frac{3}{2}$ ratio indicated above; the fourth measure has a $\frac{5}{16}$ time signature and a beamed eighth-note pattern with a $\frac{3}{2}$ ratio indicated above; the fifth measure has a $\frac{5}{16}$ time signature and a beamed eighth-note pattern. The second staff contains six measures: the first measure has a $\frac{2}{12}$ time signature and a beamed eighth-note pattern with a $\frac{3}{2}$ ratio indicated above; the second measure has a $\frac{2}{8}$ time signature and a beamed eighth-note pattern with a $\frac{3}{2}$ ratio indicated above; the third measure has a $\frac{3}{28}$ time signature and a beamed eighth-note pattern with a $\frac{7}{4}$ ratio indicated above; the fourth measure has a $\frac{3}{16}$ time signature and a beamed eighth-note pattern with a $\frac{7}{4}$ ratio indicated above; the fifth measure has a $\frac{1}{9}$ time signature and a beamed eighth-note pattern with a $\frac{9}{8}$ ratio indicated above; the sixth measure has a $\frac{1}{8}$ time signature and a beamed eighth-note pattern with a $\frac{9}{8}$ ratio indicated above. The piece ends with a double bar line.

ER 5-4

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

Musical notation for ER 5-4. The first staff contains three measures: the first measure has a $\frac{9}{16}$ time signature and a beamed eighth-note pattern; the second measure has a $\frac{1}{5}$ time signature and a beamed eighth-note pattern with a $\frac{5}{4}$ ratio indicated above; the third measure has a $\frac{9}{16}$ time signature and a beamed eighth-note pattern. The second staff contains two measures: the first measure has a $\frac{1}{5}$ time signature and a beamed eighth-note pattern with a $\frac{5}{4}$ ratio indicated above; the second measure has a $\frac{9}{16}$ time signature and a beamed eighth-note pattern. The piece ends with a double bar line.