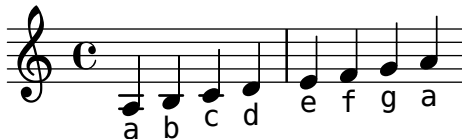


# LilyPond

```
{  
  \time 2/4  
  \relative c'' {  
    c8-. \tuplet 3/2 { g16( fis g) } as8-- g-. |  
    r <f b>-. <e c'>-> r | \bar "|."  
  }  
}
```



# Pitches



```
\relative a { a b c d e f g a }
```

## Durations



```
\relative c' {  
  c4. c16 c c4. c16 c |  
  c4 c c8 c \tuplet 3/2 { c8 c c } |  
}
```

## Pitches



```
\relative c' {  
  \time 12/8  
  g'4. g8 c, g' g2. |  
  c4. g c,2. |  
  g'4. g8 c, g' g2. |  
  e'8 r d d4.~ d2. |  
}
```

## Pitches



```
\relative c' {
  \key e \minor
  \time 3/8
  e8. g16 fis8 | es4 f8 |
  b,4.~ | b4 r8 |
}
```

# Tweaks



```
\relative c' {  
  \time 5/4  
  \tweak font-size 4 f8  
  \override NoteHead.color = #darkred e  
  \once \override Tie.direction = #UP f2~  
  \shape #'((0 . 0) (10 . 5) (-10 . 5) (0 . 0)) Tie f~ |  
  f2.~ f2 |  
}
```

## Scheme



```
\relative c' {  
  \override Stem.color = #(lambda (grob)  
    (if (= UP  
          (ly:grob-property grob 'direction))  
        red  
        blue))  
  \key c \minor  
  c'2 ces4 es, | bes' des, as'2 |  
}
```

# Scheme

```
#(define (octavate-pitch pitch octaves)
  (ly:make-pitch
    (+ (ly:pitch-octave pitch) octaves)
    (ly:pitch-notename pitch)
    (ly:pitch-alteration pitch)))

#(define (articulation-is-of-type? art type)
  (string=? (ly:music-property art 'articulation-type) type))

#(define (copy-articulation? art)
  (cond ((music-is-of-type? art 'tie-event)
    #t)
    ((and (music-is-of-type? art 'articulation-event)
      (articulation-is-of-type? art "fermata"))
    #f)
    ; TODO add more cases
    (else
    #f)))

#(define (octNote note)
  (if (null? (ly:music-property note 'pitch))
    note
    (make-relative (note) note
      (let ((note2 (ly:music-deep-copy note))
        (pitch (ly:music-property note2 'pitch)))
        (set! (ly:music-property note2 'pitch)
          (octavate-pitch pitch 1))
        (set! (ly:music-property note2 'articulations)
          (filter copy-articulation? (ly:music-property note2 'articulations)))
        (make-event-chord (list note note2))))))
```



## More information

- ▶ LilyPond Learning Manual
- ▶ LilyPond Notation Manual
- ▶ LilyPond Snippet Repository
- ▶ lilybin.com

