

NESTED PATTERNS

Nested Patterns

- When a pattern generator accesses a list or other parameter and gets a pattern object, it uses the next value generated by the pattern object.

```
begin
  with pitch-pat = make-heap(list(c4, cs5, e4, f4, a4, bf4),
                             max: 1),
    phrase-pat = make-heap(
      list(make-cycle(list(s, s, s, s, q)),
           make-cycle(list(q, s, s, s, s)),
           make-cycle(list(q, q)))
    )
  exec score-gen(save: quote(test2),
                 score-len: 50,
                 ioi: next(phrase-pat),
                 pitch: next(pitch-pat))
end
```



Summary

- SCORE-GEN is a special loop structure that evaluates expressions and inserts values into scores.
- Pattern objects are like unit generators, but they generate streams of numbers rather than audio.
- Pattern objects can serve as parameters to other pattern objects, enabling very complex behaviors on multiple time scales.