STRETCHABLE BEHAVIORS
Toward behavioral abstraction

Making “Stretchable” Behaviors

- Nyquist has default stretch behaviors for all primitives,
- But this may not be what you want
- Often, you want certain things to stretch, and others (e.g. rise times) to remain fixed.
Stretch Example 1

• You want the *number* of events to increase with stretch:

```plaintext
define function n-things()
begin
    with dur = get-duration(1),
    n = round(dur / *thing-duration*)
    return seqrep(i, n, thing() ~~ 1)
end
```

Stretch Example 2

• You want an envelope to have a *fixed* rise time. MY-ENVELOPE has a fixed rise and fall time, but stretches with the stretch factor:

```plaintext
define function my-envelope()
begin
    with dur = get-duration(1)
    return pwl(*rise-time*, 1,
                   dur - *fall-time*, 1, dur) ~~ 1
end
```