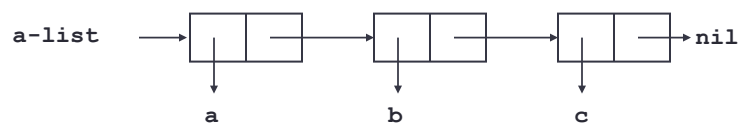


LISTS

Scores are made of lists, so let's learn about lists.

Lists in Nyquist

- Standard singly-linked list
- Dynamic typing
 - arbitrary nesting,
 - you can make any binary tree structure



Notation

- In SAL: `{a b c}`
- These are *literals*
 - No evaluation
 - a, b, and c are *symbols*, not *variables*
- To *construct* list from variables:
 - `list(a, b, c)`

Literals, Variables, Quoting, Cons

```

set a = 1, b = 2,
    c = 3
print {a b c}
{a b c}
print list(a, b, c)
{1 2 3}
print list(1, 2, 3)
{1 2 3}

print list(quote(a),
            quote(b),
            quote(c))
{a b c}
print list(a, {b})
{1 {b}}
print cons(a, {b})
{1 b}

```