The **posn** Data Definition

Is `(make-posn "a" "b")` a value?

**Yes:** "a" or "b" cannot be simplified further
The `posn` Data Definition

Is `(make-posn "a" "b")` a `posn`?

**No:**

A `posn` is

```
(make-posn X Y)
```

where `X` is a `num` and `Y` is a `num`

The value `(make-posn "a" "b")` does not match this *data definition*, because "a" and "b" are not numbers
Writing Data Definitions

Instead of

A **posn** is

\[(\text{make-posn } X \ Y)\]

where **X** is a **num** and **Y** is a **num**

we’ll usually write in shorthand:

A **posn** is

\[(\text{make-posn } \text{num} \ \text{num} \ \text{num})\]
Writing Data Definitions

Instead of

A posn is

(make-posn X Y)

where X is a num and Y is a num

we’ll usually write in shorthand:

; A posn is
; (make-posn num num)