Equality

Or, why you can say that, in Scheme,
“All animals are equal, but some animals
are more equal than others”
Our Running Example

- (define a (make-posn 1 2))
- (define b (make-posn 1 2))
- (define c b)

- We know a and b are equal
Our Running Example

- (define a (make-posn 1 2))
- (define b (make-posn 1 2))
- (define c b)

- We know a and b are equal
- But isn’t c “more equal” to b?
More on What to do with set!

- We’ll always start by thinking purely
- Two examples:
  - insert-sort
  - quick-sort
- How were these built?
- How can we use imperative features?