

More Values

$$1 + 2 \rightarrow 3$$

$$1 < 2 \rightarrow ?$$

Booleans

Traditional

$1 < 2 \rightarrow \text{true}$

$1 > 2 \rightarrow \text{false}$

$1 \geq 2 \rightarrow \text{false}$

$2 \geq 2 \rightarrow \text{true}$

Racket

`(< 1 2) → true`

`(> 1 2) → false`

`(>= 1 2) → false`

`(>= 2 2) → true`

Booleans

Traditional

true and false

true or false

$1 < 2$ and $2 > 3$

$1 \leq 0$ and $1 = 1$

$1 \neq 0$

Racket

`(and true false)`

`(or true false)`

`(and (< 1 2) (> 2 3))`

`(or (<= 1 0) (= 1 1))`

`(not (= 1 0))`

Strings

```
(string=? "apple" "apple") → true
```

```
(string=? "apple" "banana") → false
```

```
(string-append "up" "on") → "upon"
```

```
(string-append "a" "b" "c") → "abc"
```

```
(string-length "hippopotamus") → 12
```


Images

`(image=?  )` → `true`

`(overlay  )` → 


`(image-width )` → `88`

`(circle 10 "solid" "red")` → 

`(overlay
 (circle 10 "solid" "red")
 (rectangle 30 40 "solid" "blue"))` → 

Functions on Images

```
(define (roll img)
  (beside img
    (rotate 90 img)
    (rotate 180 img)
    (rotate 270 img)))
```

(roll ) → 