Shorthands

The name **make-bigger-list** is awfully long

DrRacket has built-in shorter versions

make-bigger-list	$\Rightarrow$	**cons**
bigger-list-first	$\Rightarrow$	**first**
bigger-list-rest	$\Rightarrow$	**rest**
bigger-list?	$\Rightarrow$	**cons?**

(first (cons 1 empty)) $\rightarrow$ **1**

(rest (cons 1 empty)) $\rightarrow$ **empty**

(cons? empty) $\rightarrow$ **false**

Lists using the Shorthands

```
; A list-of-num is either
;   - empty
;   - (cons num list-of-num)

; aq-weight : list-of-num -> num
(define (aq-weight l)
  (cond
    [(empty? l) 0]
    [(cons? l) (+ (first l)
                  (aq-weight (rest l)))]))

(check-expect (aq-weight empty) 0)

(check-expect (aq-weight (cons 5 (cons 2 empty)))
              7)
```