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Generic template:
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; aq-weight : list-of-num -> num
; Sums the fish weights in l
(define (aq-weight 1)
    ...)
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  Sums the fish weights in 1
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  . . . )
(check-expect (aq-weight empty) 0)
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  . . . )
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              2)
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  . . . )
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(check-expect (aq-weight (make-bigger-list 5 (make-bigger-list 2 empty)))
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                                                           10
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    (+ (bigger-list-first 1)
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(check-expect (aq-weight empty) 0)
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Try examples in the stepper
(check-expect (aq-weight empty) 0)
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```

Design Recipe for Lists

Design recipe changes for today:

None

Granted, the self-reference was slightly novel...

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Recursion

A self-reference in a data definition leads to a **recursive** function—one that calls itself