Quiz 0.2 Practice

1. How many times is the + procedure applied in the following snippets of code?

(if (= 3 (+ 1 2))

(+ 4 5)

(+ 6 7)) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ times

(new-if (= 3 (+ 1 2))

(+ 4 5)

(+ 6 7)) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ times

1. Write a function num-sent that takes in a two-digit number and returns a sentence of the digits. Assume you have a function number-to-word that converts a number to an English word (for example, 4 -> four).

> (num-sent 42)

(four two)

> (num-sent 03)

(zero three)

1. What will Scheme print? Assume the lines are typed into the interpreter one after another. If Scheme will error, write “Error”.

> (define (g x) (se 'hello x))

> (g 'satish)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

> (define (f y) (se ‘bye y))

> (f (g ‘andrew))

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> (g (f x))

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