

# Design Recipe

## Word Problem: line-length

Write a function called line-length, which takes in two numbers and returns the difference between them. It should always subtract the smaller number from the bigger one.

### I. Contract+Purpose Statement

Every contract has three parts:

; \_\_\_\_\_ : \_\_\_\_\_ -> \_\_\_\_\_  
name Domain Range

### II. Give Examples

(EXAMPLE (line-length 10 5) (- 10 5))  
Use the function here What should the function produce?

(EXAMPLE (line-length 2 8) (- 8 2))  
Use the function here What should the function produce?

### III. Definition

Write the definition, giving variable names to all your input values.

(define ( \_\_\_\_\_ variable names)  
function name


)

...and the computer does this