

Word Problem: line-length

Directions : Write a function called `line-length` , which takes in two numbers and returns the **positive difference** between them. It should always subtract the smaller number from the bigger one. If they are equal, it should return zero.

Contract and Purpose Statement

Every contract has three parts...

line-length:: Number, Number -> Number
function name *domain* *range*

Consumes two numbers, and produces the positive difference between them

what does the function do?

Examples

Write some examples, then circle and label what changes...

examples:

line-length (10, 5) is 10 - 5
function name *input(s)* *what the function produces*

line-length (2, 8) is 8 - 2
function name *input(s)* *what the function produces*

end

Definition

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

fun line-length(a, b):
function name *variable(s)*

ask:

| a > b **then:** a - b

| **otherwise:** b - a

end

end