

What's Wrong with these Recipes? 4

Directions : Names that are longer than 20 characters are considered long names. Write a function that takes in a person's name and returns true if it is a long name and false if it is not.

Contract and Purpose Statement

Every contract has three parts...

is-long-name:: String -> Boolean
function name domain range

Check if a name is longer than 20 characters

what does the function do?

Examples

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

examples:

is-long-name ("John Joseph Jingleheimer Schmidt")
function name input(s)
string-equal ("John Joseph Jingleheimer Schmidt") >
is-long-name ("Jos Jaime Juarez")
function name what the function produces input(s)
end

is-string-equal ("Jos Jaime Juarez") > 10

Definition

what the function produces

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

fun is-long (name):
function name variable(s)
name < 20
what the function does with those variable(s)
end

Directions : Write a function, is-offscreen, which returns true if Sam the butterfly's x-coordinate is less than -50 or greater than 690.

Contract and Purpose Statement

Every contract has three parts...

is-offscreen:: Number -> Boolean
function name domain range

Given an x-coordinate, returns true if the coordinate is less than -50

what does the function do?

Examples

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

examples:

is-offscreen (60) is true
function name input(s) what the function produces
is-offscreen (800) is false
function name input(s) what the function produces
end

Definition

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

fun is-off-screen (x-coord):
function name variable(s)
(x-coord < -50) and (x-coord > 690)
what the function does with those variable(s)
end