

Check for Mistakes in this Word Problem: long-name?

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...

; 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...

(EXAMPLE(long-name? "John Joseph Jingleheimer Schmidt")
function name input(s)
(> (string=? "John Joseph Jingleheimer Schmidt") 10))
what the function produces

(EXAMPLE(long-name? "Joe Jones") (> (string=? "Joe Jones") 10))
function name input(s) what the function produces

Definition

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

(define(long? name)
function name variables
(< name 20))
what the function does with those variables