

## Check for Mistakes in this Word Problem: equal-length?

**Directions:** Write a function that takes in two strings and returns true if their lengths are equal and false otherwise.

### Contract and Purpose Statement



Every contract has three parts...

; equal-length? : string string → boolean  
function name domain range

; Given two strings, check if they are the same length

what does the function do?

### Examples



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

(EXAMPLE( equal-length? ("yes" "no") ) (= (string-length "yes") (string-length "no"))) )  
function name input(s) what the function produces

(EXAMPLE( equal-length? ("dog" "cat") )  
(= (string-length "dog") (string-length "cat"))) )  
function name input(s) what the function produces

### Definition



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

(define( equal-length? string1 string2 )  
function name variables  
(= string1 string2) )  
what the function does with those variables