

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...

<code>; equal-length? :</code>	<code>string string</code>	<code>→</code>	<code>boolean</code>
<i>function name</i>	<i>domain</i>		<i>range</i>

`; 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...

$$\frac{\text{(EXAMPLE (equal-length? ("yes" "no")))}}{\text{function name} \quad \text{input(s)}}$$

$$\frac{(\text{= (string-length "yes") (string-length "no")})}{\text{what the function produces}}$$

$$\frac{\text{(EXAMPLE (equal-length? ("dog" "cat")))}}{\text{function name} \quad \text{input(s)}}$$

$$\frac{(\text{= (string-length "dog") (string-length "cat")})}{\text{what the function produces}}$$

Definition

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

```
(define( equal-length? string1 string2 )
      (= string1 string2)
      )
```

function name *variables*

what the function does with those variables