

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>:</code>	<code>string string</code>	<code>→</code>	<code>boolean</code>
_____		_____		_____
<i>function name</i>		<i>domain</i>		<i>range</i>

<code>; Given two strings, check if they are the same length</code>

<i>what does the function do?</i>

Examples

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

<code>(EXAMPLE(equal-length? ("yes" "no"))</code>

<i>function name</i> <i>input(s)</i>

<code>(= (string-length "yes") (string-length "no"))</code>	<code>)</code>

<i>what the function produces</i>	

<code>(EXAMPLE(equal-length? ("dog" "cat"))</code>

<i>function name</i> <i>input(s)</i>

<code>(= (string-length "dog") (string-length "cat"))</code>	<code>)</code>

<i>what the function produces</i>	

Definition

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

<code>(define(equal-length? string1 string2)</code>

<i>function name</i> <i>variables</i>

<code>(= string1 string2)</code>	<code>)</code>

<i>what the function does with those variables</i>	