

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...

;	<u>long-name?</u>	:	<u>string</u>	→	<u>boolean</u>
	<small>function name</small>		<small>domain</small>		<small>range</small>
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;	Check if a name is longer than 20 characters				
	<small>what does the function do?</small>				

Examples

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

(EXAMPLE(<u>long-name?</u>	<u>"John Joseph Jingleheimer Schmidt"</u>)
	<small>function name</small>	<small>input(s)</small>	
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	<u>(> (string=? "John Joseph Jingleheimer Schmidt") 10)</u>		
	<small>what the function produces</small>		
<hr/>			
(EXAMPLE(<u>long-name?</u>	<u>"Joe Jones"</u>) (> (string=? "Joe Jones") 10))
	<small>function name</small>	<small>input(s)</small>	<small>what the function produces</small>

Definition

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

(define(<u>long?</u>	<u>name</u>)
	<small>function name</small>	<small>variables</small>	
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	<u>(< name 20)</u>		
	<small>what the function does with those variables</small>		