

Word Problem: safe-left?

Directions: Use the Design Recipe to write a function 'safe-left?', which takes in an x-coordinate and checks to see if it is greater than -50

Contract and Purpose Statement

Every contract has three parts...

;	safe-left?	:	number	→	boolean
	_____		_____		_____
	<i>function name</i>		<i>domain</i>		<i>range</i>

;	Determine whether given number is greater than -50

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

Examples

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

(EXAMPLE(	safe-left?	25	)	(>	25	-50))
	_____	_____			_____	_____	
	<i>function name</i>	<i>input(s)</i>			<i>what the function produces</i>		

(EXAMPLE(	safe-left?	-51	)	(>	-51	-50))
	_____	_____			_____	_____	
	<i>function name</i>	<i>input(s)</i>			<i>what the function produces</i>		

Definition

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

(define(	safe-left?	x)
	_____	_____	
	<i>function name</i>	<i>variables</i>	

(>	x	-50))
	_____	_____	
	<i>what the function does with those variables</i>		