

Left and Right

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
function name domain range
`; Consumes an x-coordinate, checks to see if it is greater than -50, and produces a Boolean`
what does the function do?

Examples

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

(EXAMPLE (`safe-left?` 100) (`> 100 -50`))
function name input(s) what the function produces
(EXAMPLE (`safe-left?` -180) (`> -180 -50`))
function name input(s) what the function produces

Definition

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

(define (`safe-left?` x)
function name variable(s)
`(> x -50)`)
what the function does with those variable(s)

Directions: Use the Design Recipe to write a function `safe-right?`, which takes in an x-coordinate and checks to see if it is less than 690.

Contract and Purpose Statement

Every contract has three parts...

`; safe-right? :` Number `->` Boolean
function name domain range
`; Consumes an x-coordinate, checks to see if it is less than 690, and produces a Boolean`
what does the function do?

Examples

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

(EXAMPLE (`safe-right?` 250) (`< 250 690`))
function name input(s) what the function produces
(EXAMPLE (`safe-right?` 900) (`< 900 690`))
function name input(s) what the function produces

Definition

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

(define (`safe-right?` x)
function name variable(s)
`(< x 690)`)
what the function does with those variable(s)