

# 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...

;  
\_\_\_\_\_ : \_\_\_\_\_ -> \_\_\_\_\_  
function name domain range  
;  
\_\_\_\_\_  
what does the function do?

## Examples

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

( EXAMPLE ( \_\_\_\_\_ ) \_\_\_\_\_ )  
function name input(s) what the function produces  
( EXAMPLE ( \_\_\_\_\_ ) \_\_\_\_\_ )  
function name input(s) what the function produces

## Definition

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

(define ( \_\_\_\_\_ )  
function name variable(s)  
\_\_\_\_\_  
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...

;  
\_\_\_\_\_ : \_\_\_\_\_ -> \_\_\_\_\_  
function name domain range  
;  
\_\_\_\_\_  
what does the function do?

## Examples

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

( EXAMPLE ( \_\_\_\_\_ ) \_\_\_\_\_ )  
function name input(s) what the function produces  
( EXAMPLE ( \_\_\_\_\_ ) \_\_\_\_\_ )  
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## Definition

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

(define ( \_\_\_\_\_ )  
function name variable(s)  
\_\_\_\_\_  
what the function does with those variable(s)