

Word Problem: collide?

Directions: Write a function collide?, which takes FOUR inputs:

- px: The x-coordinate of the player
- py: The y-coordinate of the player
- cx: the x-coordinate of another game character
- cy: the y-coordinate of another game character

Are the coordinates of the player within 50 pixels of the coordinates of the other character?

Contract and Purpose Statement

Every contract has three parts...

z

:

→

function name

domain

range

z

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, given variable names to all your input values...

(define (

)

function name

variables

what the function does with those variables