

**Word Problem: collide?**

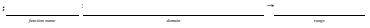
*Directions: Write a function collide?, which takes FOUR inputs:*

- *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...



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what does the function do?

### Examples

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

(EXAMPLE (			)
<i>function name</i>	<i>input(s)</i>	<i>what the function produces</i>	

(EXAMPLE ( \_\_\_\_\_ ) \_\_\_\_\_ )

function name	input(s)	what the function produces
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## Definition

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

```
(define(                      )
```

function name	variables
<hr/> what the function does with these variables	