

**Word Problem: collide?**

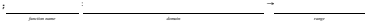
*Directions: Write a function `collide?`, which takes **FOUR** inputs:*

- *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...*



### Examples

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

(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 )  
  what the function does with these variables )
```