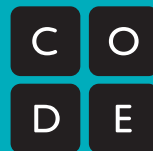


# collide? (word problem)

Code.org Computer Science in Algebra



**Description:** 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

Is the player's x and y within 100 pixels of the other character's x and y?

## Contract and Purpose Statement

Every contract has three parts...

\_\_\_\_\_ : \_\_\_\_\_ -> \_\_\_\_\_  
 function name domain range

what does the function do?

## Examples

Write some examples for your function in action...

**Example:** \_\_\_\_\_ ( \_\_\_\_\_ ) = \_\_\_\_\_  
 function name input(s) what the function produces

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 function name input(s) what the function produces

## Definition

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

**Define:** \_\_\_\_\_ ( \_\_\_\_\_ ) = \_\_\_\_\_  
 function name variables

what the function does with those variables