

Word Problem: next-position

Write a function *next-position*, which takes in two numbers (an x and y-coordinate) and returns a *DeliveryState*, increasing the x-coordinate by 5 and decreasing the y-coordinate by 5.

Contract+Purpose Statement

Every contract has three parts:

next-position : : Number, Number -> DeliveryState
name Domain Range

Consumes x and y coordinates and produces a *DeliveryState* by adding 5 to x and subtracting 5 from y What does the function do?

Give Examples

Write examples of your function in action

examples:

next-position (30, 250) is
the user types...

delivery(30 + 5, 250 - 5)
...which should become

next-position (65, 800) is
the user types...

delivery(65 + 5, 800 - 5)
...which should become

end

Function

Circle the changes in the examples, and name the variables.

Write the code, copying everything that isn't circled, and using names where you find variables!

fun next-position (x, y) :

delivery(x + 5, y - 5)

end