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 –
              ...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
```