Security Functions II

We now understand the definition of functions.

If f(x)=y, where $x\in X$ and $y\in Y$ then y is called an image of x, and x is called the preimage of y.

Given $x_1, x_2 \in X$ and $y_1, y_2 \in Y$,

$$f(x_1)=y_1$$
 and $f(x_2)=y_2$

We call the function f:X o Y as 1-1 (one-to-one) if:

$$f(x_1) = f(x_2) \implies x_1 = x_2$$

Let us define a particular one-to-one function as $f_2:X o X$, such that $f_2(x)=x^2$

where
$$X = \{1, 2, 3, 4, \dots \}$$
.

The function defined in the previous challenge is not one-to-one because:

$$f_1(0) = f_1(11) = 0, 0 \neq 11$$

Your task is to complete the function that takes $m{x}$ as the input and return $m{x^2}$.

Constraints

$$1 \le x \le 1000$$