

__judge42__id__ = 61xhcxl1c6rz5dcd98

Write a Python program that, given an integer value N, prints the square of all positive integers less than N.

INPUT

The input consists of a one line with the value of N.

OUTPUT

The output should print the following.

- A line with the unquoted message «**U is less than N and the square of U is: R**» where **U** corresponds to a positive integer value less than N, **N** corresponds to the value of N and **R** is the result of squaring **U**.

EXAMPLE

INPUT	OUTPUT
3	0 is less than 3 and the square of 0 is: 0 1 is less than 3 and the square of 1 is: 1 2 is less than 3 and the square of 2 is: 4