**# \_\_judge42\_\_id\_\_ = 6lxhcxllc6rz5dcd98**

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 |