Loops

Check Tutorial tab to know how to to solve.
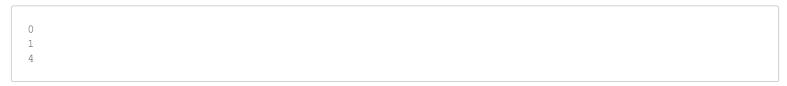
Task

The provided code stub reads an integer, n, from STDIN. For all non-negative integers $i < n$, print i^2.

Example

$n = 3$

The list of non-negative integers that are less than $n = 3$ is $[0, 1, 2]$. Print the square of each number on a separate line.

```
0
1
4
```

Input Format

The first and only line contains the integer, n.

Constraints

$1 \leq n \leq 20$

Output Format

Print n lines, one corresponding to each i.

Sample Input 0

```
5
```

Sample Output 0

```
0
1
4
9
16
```