Loops



Check Tutorial tab to know how to to solve.

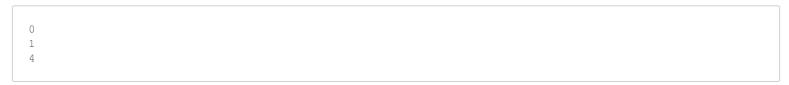
Task

The provided code stub reads and 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.



Input Format

The first and only line contains the integer, n.

Constraints

 $1 \le n \le 20$

Output Format

Print n lines, one corresponding to each i.

Sample Input 0

5

Sample Output 0

```
0
1
4
9
16
```