D. Asterisks

You are given a number n. Print n lines, i-th line should consist of i characters "*". Lines' indices are 1-based.

Input

The only line of input contains an integer n ($1 \leq n \leq 50$).

Output

Output the described pattern.

Examples

input
```
3
```
output
```
*
**
***
```

input
```
6
```
output
```
*
**
***
****
*****
******
```