

## D. Asterisks

time limit per test: 2 seconds  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

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
* ** *** **** ***** *****