Write a program that reads a natural number $n$, and prints $2^n - 1$ bars of asterisks, following the pattern that can be deduced from the examples.

**Input**

Input consists of a natural number $n > 0$.

**Output**

Print $2^n - 1$ lines, following the pattern that can be deduced from the examples.

### Sample input 1

1

### Sample output 1

*  

### Sample input 2

2

### Sample output 2

*  
  **  
  *

### Sample input 3

3

### Sample output 3

*  
  **  
  ***  
  **  
  *

### Sample input 4

4

### Sample output 4

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

**Problem information**

Author: Salvador Roura  
Translator: Salvador Roura  
Generation: 2023-07-14 18:10:25