Rhombus   P72484_en

Write a program such that, given a number n, prints a "rhombus of size n".

Input

Input consists of a natural number $n \geq 1$.

Output

Print $2 * n - 1$ lines, as shown in the examples.

Sample input 1

4

Sample output 1

```
   *
  ***
 *****
*******
 *****
  ***
   *
```

Sample input 2

7

Sample output 2

```
      *
     ***
    *****
   *******
  *********
 ***********
*************
 ***********
  *********
   *******
    *****
     ***
      *
```

Problem information

Author : Salvador Roura
Translator : Salvador Roura
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