

Inverted pyramid



Enter any positive integer that describes the height of inverted pyramid. Print out the inverted pyramid.

Example

The inverted pyramid that has 5 rows is:

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

Input

Contain the height of inverted pyramid.

Constraints

- $0 < n \leq 100$

Output

Print out the inverted pyramid.

Example

Input 1:

5

Output 1:

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

Input 2:

2

Output 2:

* * *

*