

Right arrow

Enter any positive integer that describes the height of arrow. Print out the right arrow.

Example

The right arrow that has 5 rows is:

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

Input

Contain the height of right arrow.

Constraints

- $2 < n \leq 100$

Output

Print out the right arrow.

Example

Input 1:

5

Output 1:

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

Input 2:

2

Output 2:

accept positive integer greater than 2 only!