

Problem A

Ex-Box

Time limit: 1s

Memory Limit: 8MB

Mr. Bee really loves boxes. He loves it so much that he wants to make an application that will show different size of boxes. Please help Mr. Bee to make the boxes! The box is a square, with an “X” pattern in it. You can see more details in the sample case below.

Input

The input consists of 1 integer N ($1 \leq N \leq 100$) that represents the size of the box.

Output

Output the box with size of N .

1st Sample Input

6

Output for 1st Sample Input

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

2nd Sample Input

7

Output for 2nd Sample Input

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

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

3rd Sample Input

1

Output for 3rd Sample Input

*

Note: Always print a newline (\n) at the end of the answer.