Create a program that displays on the screen a square of n x n stars, with the integer n given as an input.

Examples

Input:

5

Output:

```
* * * * *
```

```
* * * * *
```

```
* * * * *
```

```
* * * * *
```

```
* * * * *
```

Input:

3

Output:

```
* * *
```

```
* * *
```

```
* * *
```

Note

You may submit your solution as many times as you wish. Only your highest score will be kept.