# Square, but Not the Math Kind
## Problem ID: a04p03square

Write a program that, given an integer $d$, prints a square made out of asterisks.
The square has space separated $*$ symbols on its edges and is filled with spaces on the inside.

## Input

Input consists of one line containing the integer $d$, where $1 \leq d \leq 100$.

## Output

Output consists of the $d$ lines needed to form the square. Your output must be exactly correct, with no additional whitespace. In particular, there should be no spaces at the end of each line.

| Sample Input 1 | Sample Output 1 |
|---|---|
| 5 | `* * * * *`<br>`*       *`<br>`*       *`<br>`*       *`<br>`* * * * *` |

| Sample Input 2 | Sample Output 2 |
|---|---|
| 1 | `*` |

| Sample Input 3 | Sample Output 3 |
|---|---|
| 2 | `* *`<br>`* *` |

| Sample Input 4 | Sample Output 4 |
|---|---|
| 8 | `* * * * * * * *`<br>`*             *`<br>`*             *`<br>`*             *`<br>`*             *`<br>`*             *`<br>`*             *`<br>`* * * * * * * *` |

## Sample Input 5

```
16
```

## Sample Output 5

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