

Y shaped pattern

Print a 'Y' shaped pattern from asterisks in N number of lines.

Note: N is even.

Input:

The first line of input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case consists of a single line containing an integer N.

Output:

Corresponding to each test case, in a new line, print Y shaped pattern from asterisks in a single line considering spaces.

Constraints:

$$1 \leq T \leq 100$$

$$4 \leq N \leq 200$$

Example:

Input

2

4

8

Output

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

Explanation:

For the 1st test case where N = 4

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*      *
*      *
```

*

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The above is the proper Y shaped pattern for the test case, but when printed in a single line it becomes as shown in the output. Please mind there are 2 spaces after the single * in the last row which has to be printed in single line also.