**Problem 3 - Sunlight**

Sandy is a little girl who spends her free time playing with her friends. Unfortunately, Sandy broke her wristwatch a week ago. Now she is trying a new trick using the sunlight to guess the time. But this trick is useful only when the sky isn’t cloudy. Your task is to help Sandy by writing a program which shows how bright the sun is at the moment.

You are given an integer number **N** (always **odd**), corresponding to the **width and height** of the sun and the **length** of the **horizontal and vertical** sunbeams. The **diagonal** sunbeams have length equal to **N – 1.**

### Input

The input data should be read from the console.

* On the only input line you will be given an integer **N** - the **size** of the sun.

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

The output should be printed on the console. Use the “**\***” (asterisk) to mark the sun and the sunbeams and “**.**” (dot) for the rest. Follow the examples below.

### Constraints

* **N** will always be a positive **odd** number in the range [**3** … **33].**
* Allowed working time for your program: 0.1 seconds. Allowed memory: 16 MB.

### Examples

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |
| 3 | ....\*....  .\*..\*..\*.  ..\*.\*.\*..  ...\*\*\*...  \*\*\*\*\*\*\*\*\*  ...\*\*\*...  ..\*.\*.\*..  .\*..\*..\*.  ....\*.... |  | 5 | .......\*.......  .\*.....\*.....\*.  ..\*....\*....\*..  ...\*...\*...\*...  ....\*..\*..\*....  .....\*\*\*\*\*.....  .....\*\*\*\*\*.....  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  .....\*\*\*\*\*.....  .....\*\*\*\*\*.....  ....\*..\*..\*....  ...\*...\*...\*...  ..\*....\*....\*..  .\*.....\*.....\*.  .......\*....... |