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
3	....*.... .*..*..*. ..*.*.*.. ...***... ********* ...***... ..*.*.*.. .*..*..*. ....*....
5	.......*....... .*.....*.....*. ..*....*....*.. ...*...*...*... ....*..*..*.... .....*****..... .....*****..... *************** .....*****..... .....*****..... ....*..*..*.... ...*...*...*... ..*....*....*.. .*.....*.....*. ....*.......