# Problem 3 – House

Ivaylo decided he needed a new house. Since he is not a structural engineer yet, you have to help him construct the building from ground zero.

The roof is a triangle. The walls are straight vertical lines. The base is a straight horizontal line. The roof, the walls and the base of the house are made of '**\***'. Everything else is filled with '.' (look at the examples below to catch the idea).

You will be given an odd integer **N**, representing the width and the height of the house. The roof’s top starts from the center (**N+1)/2** and forms a triangle with base of width **N**. The roof’s height is (**N+1)/2**. The distance between the roof’s end point and the walls of the building is **N/4**, rounded down to an integer number. See the examples below to understand better these formulas.

## Input

* Input data is read from the console.
* The number **N** stays alone on the first line.

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

## Output

* The output data must be printed on the console.
* You must print on the console a house of size **N** following the formulas above and the examples below.

## Constraints

* **N** will be an **odd** number between **5** and **49**.
* Time limit: 0.25 seconds.
* Allowed memory: 16 MB.

## Examples

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 5 | ..\*..  .\*.\*.  \*\*\*\*\*  .\*.\*.  .\*\*\*. |  | 7 | ...\*...  ..\*.\*..  .\*...\*.  \*\*\*\*\*\*\*  .\*...\*.  .\*...\*.  .\*\*\*\*\*. | 9 | ....\*....  ...\*.\*...  ..\*...\*..  .\*.....\*.  \*\*\*\*\*\*\*\*\*  ..\*...\*..  ..\*...\*..  ..\*...\*..  ..\*\*\*\*\*.. |