# Problem 3 – House with a Window

Write a program to print at the console a house of given size N. The roof is a triangle. The walls are straight vertical lines. The base is a straight horizontal line. The roof, the walls, the window and the base of the house it build of '\*'. Everything else is filled with '**.**' (see the examples below).

You will be given an integer **N** (N % 4 = 0). The **width** of the house is **(2\*N-1),** the height of the house is **(2\*N+2).**The **height** of the **roof** is exactly **N lines.** The **base** of the house **height** is **(N+2).** The **window height** is always **(N/2).**The **window width** is (**N-3).** See the examples below to understand better these formulas.

## Input

* The input data is read from the console.
* The number **N** stays alone at 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 should print the house on the console, just like in the examples below. Each row can contain only the following characters: “**.**” (dot) and “**\***” (asterisk).

## Constraints

* **N** will be an integer number between **4** and **120** and will always be divided by **4 without reminder**.
* Time limit: 0.25 seconds. Allowed memory: 16 MB.

## Examples

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 4 | ...\*...  ..\*.\*..  .\*...\*.  \*.....\*  \*\*\*\*\*\*\*  \*.....\*  \*..\*..\*  \*..\*..\*  \*.....\*  \*\*\*\*\*\*\* |  | 8 | .......\*.......  ......\*.\*......  .....\*...\*.....  ....\*.....\*....  ...\*.......\*...  ..\*.........\*..  .\*...........\*.  \*.............\*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \*.............\*  \*.............\*  \*....\*\*\*\*\*....\*  \*....\*\*\*\*\*....\*  \*....\*\*\*\*\*....\*  \*....\*\*\*\*\*....\*  \*.............\*  \*.............\*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* | 12 | ...........\*...........  ..........\*.\*..........  .........\*...\*.........  ........\*.....\*........  .......\*.......\*.......  ......\*.........\*......  .....\*...........\*.....  ....\*.............\*....  ...\*...............\*...  ..\*.................\*..  .\*...................\*.  \*.....................\*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  \*.....................\*  \*.....................\*  \*.....................\*  \*......\*\*\*\*\*\*\*\*\*......\*  \*......\*\*\*\*\*\*\*\*\*......\*  \*......\*\*\*\*\*\*\*\*\*......\*  \*......\*\*\*\*\*\*\*\*\*......\*  \*......\*\*\*\*\*\*\*\*\*......\*  \*......\*\*\*\*\*\*\*\*\*......\*  \*.....................\*  \*.....................\*  \*.....................\*  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* |