## Problem 3 – Fir Tree

Christmas Eve is coming so even programmers got to prepare!

In the spirit of the event your task is to write a program that prints a fir tree to the console.

The format of the tree is shown in the examples bellow.

### Input

The input data should be read from the console.

On the only input line you have an integer number **N**, showing the height of the tree.

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

### Output

The output data should be printed on the console.

You must print the fir tree on the console. Each row contains only characters "." (point) or "\*" (asterisk).

The first row should have exactly one "\*" in the middle (that is the top of the tree) and each of the next lines two more.

The last line should have exactly one asterisk in the middle, showing the stem of the tree.

### Constraints

* The number **N** is a positive integer between 4 and 100, inclusive.
* Allowed working time for your program: 0.25 seconds.
* Allowed memory: 16 MB.

### Examples

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