## Problem 4 - Diamond Trolls

In the peaceful village of Tel’Er’ik the two internet trolls Baa Zil and Juliette fell in love. After years of sharing a small swamp Baa Zil decided he wanted to propose to his girlfriend troll. So he went to the mall and bought flowers and a lovely “diamond” silver ring. But later that day he noticed that the “diamond” was actually a fake piece of plastic.

Now this is where you come in – your task is to create a diamond for Baa Zil with which he can propose to his kind-of-cute-for-a-troll girlfriend. He will give you the size **N** for the top of the diamond and you must create it for him.

The width of the diamond must be **N\*2 + 1**.

The height must be (**6 + ((N – 3) / 2) \* 3**).

The diamond must have a line going vertically through its middle and a horizontal line where the top and the bottom parts connect.

### Input

The input data should be read from the console.

You have an integer number **N** – the **width** of the top of the diamond.

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 “**\***” (dash) characters for the lines and “**.**” (dot) for the rest.

### Constraints

* **N** will always be a positive number between **3** and **27** inclusive.
* Allowed working time for your program: **0.1** seconds.
* Allowed memory: **16 MB**.

|  |  |
| --- | --- |
| **Example input** | **Example output** |
| 5 | ...\*\*\*\*\*...  ..\*..\*..\*..  .\*...\*...\*.  \*\*\*\*\*\*\*\*\*\*\*  .\*...\*...\*.  ..\*..\*..\*..  ...\*.\*.\*...  ....\*\*\*....  .....\*..... |

### Examples

|  |  |
| --- | --- |
| **Example**  **input** | **Example**  **output** |
| 3 | ..\*\*\*..  .\*.\*.\*.  \*\*\*\*\*\*\*  .\*.\*.\*.  ..\*\*\*..  ...\*... |

|  |  |
| --- | --- |
| **Example input** | **Example output** |
| 7 | ....\*\*\*\*\*\*\*....  ...\*...\*...\*...  ..\*....\*....\*..  .\*.....\*.....\*.  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  .\*.....\*.....\*.  ..\*....\*....\*..  ...\*...\*...\*...  ....\*..\*..\*....  .....\*.\*.\*.....  ......\*\*\*......  .......\*....... |