## Diamonds

Write a program that prints a **diamond** of given size **n**.

### Input

Input data should be read from the console.

* The only input line will hold the width of the diamond – **n**.

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.

* The output lines should hold the diamond.

### Constraints

* The number **n is positive odd integer between 3 and 59**, inclusive.
* Allowed working time for your program: 0.25 seconds.
* Allowed memory: 16 MB.

### Examples

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