

Problem 3 – Headphones

Stamat really loves all kinds of music. He listens to music all the time. He even dreams of it. One day he decided to start programming. The only way he can write code is while listening to music (and singing... and even dancing).

Your task is to help Stamat write a program that **prints his headphones** on the console using only asterisks '*' and dashes '-'. And since his headphones are very special they have a **diameter**. See the example below to better understand how the diameter affects the headphones' size.

[illegible]

Input

The input data consists of only 1 line: the **diameter** of Stamat's headphones.

Output

The output data should be printed on the console.

Constraints

- The diameter of Stamat's headphones will always be an **odd number** in the range [3..29].
- Allowed work time: 0.1 seconds.
- Allowed memory: 16 MB.

Examples

| Input | Output |
|--------------|---|
| 5 | <pre>--*****-- --*-----*-- --*-----*-- --*-----*-- --*-----*-- --*-----*-- --*-----*-- _***_****_ *****_***** _***_----***_ --*-----*--</pre> |

| Input | Output |
|-------|--|
| 7 | <pre> _ _ _ _ _ * * * * * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ * * * _ _ _ _ _ _ * * * _ _ _ _ _ _ _ _ * * * * * _ _ _ _ * * * * * _ _ _ _ _ * * * * * * * _ _ _ * * * * * * * _ _ * * * * * _ _ _ _ * * * * * _ _ _ _ _ _ _ _ * * * _ _ _ _ _ _ * * * _ _ _ _ _ _ _ _ _ _ _ * _ _ _ _ _ _ _ _ _ * _ _ _ _ _ </pre> |