Problem 3 – Plaid Towel

After Angel's awesome striped tower, he wants a new one. Actually, he asked his "very well-known local producer" if it was possible to make a lot of plaid towels, but every single one to be of different size and color. It turned out it was possible. There is only one problem – someone should program the machines to change the colors and size.

Your task is to write that program. Well not exactly colors are represented by **symbols** - one for the **background** and one for the **rhombus**. The **size** is the distance between the top left corner and the top edge of the rhombus. See the examples for more clarity.

Input

The input should be read from the console. It will consist three lines.

- 1st line –> the size
- 2nd –> the background symbol
- 3rd –> the rhombus symbol

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 the towel design, based on the input values.

Constraints

- The size will be a valid integer in range [0… 100].
- The symbols will be valid symbols from ASCII table.
- Allowed working time for your program: 0.25 seconds.
- Allowed memory: 16 MB.

Examples

Input	Output	Input	Output
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