Two triangles make a square. X76659_en

Given a sequence of triplets n, c_1, c_2, where $n > 0$ is an integer and c_1, c_2 are two characters, for each triplet you have to draw a square of $n \times n$ cells, where its lower triangle is made of c_1, and its upper triangle (including the diagonal) is made of c_2.
Every drawn square must be followed by an empty line.
Exam score: 3.000000 **Automatic part:** 40.000000%

Input

The input is a sequence of triplets, where each triplet consists of an integer and two chars.

Output

For each triplet in the input, the output is an $n \times n$ square with the lower triangle made out of c_1, and the upper triangle and the diagonal made out of c_2. Every square must be followed by an empty line, as shown in the examples.

Sample input 1

```
4 . *
```

Sample output 1

```
****
.***
..**
...*
```

Sample input 2

```
5 _ %
3 . #
1 + *
6 o x
```

Sample output 2

```
%%%%%
_%%%%
__%%%
___%%
____%

###
.##
..#

*

xxxxxx
oxxxxx
ooxxxx
oooxxx
ooooxx
ooooox
```

Problem information

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