



URI Online Judge | 1435

Square Matrix I

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Timelimit: 2

1435

Description
Full Screen
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uDebug

+ 4.6 PONTOS

BEGINNER

SUGGESTION

Suggest the category, level and topics of this problem.

SEND FEEDBACK

SOLVED

Rank: 7101°

Time: 0.108

MY SOLUTION

Write a program that read an integer number N ($0 \leq N \leq 100$) that correspond to the order of a Bidimensional array of integers, and build the Array according to the above example.

Input

The input consists of several integers numbers, one per line, corresponding to orders from arrays to be built. The end of input is indicated by zero (0).

Output

For each integer number of input, print the corresponding array according to the example. (the values of the arrays must be formatted in a field of size 3 right justified and separated by a space. None space must be printed after the last character of each row of the array. A blank line must be printed after each array.

Sample Input

1
2
3
4
5
0

Sample Output

```
1
1 1
1 1
1 1 1
1 2 1
1 1 1

1 1 1 1
1 2 2 1
1 2 2 1
1 1 1 1

1 1 1 1 1
1 2 2 2 1
1 2 3 2 1
1 2 2 2 1
1 1 1 1 1
```