

Generating a grid

X52952_en

Write a program that, given triples of positive natural numbers n , m , $side$ generates grids with $n \times m$ squares with side $side$ as those shown in the examples.

Input

An arbitrary number of cases, each of them consisting of three positive natural numbers n , m , $side$ on one line.

Output

For each case, the corresponding grid followed by a blank line.

Sample input 1

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2 2 2
3 1 3
1 3 1
1 1 5
8 7 2
4 2 4
3 5 2
6 3 4
3 4 4
7 5 3
5 1 4
1 8 2
7 3 3
4 4 4
2 3 3
3 6 4
2 1 4
3 6 2
6 8 1
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Sample output 1

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Observation

You can generate the output character by character or with strings built previously, it's up to you.

Assessment over 10 points:

- Slow solution: 5 points.
- Fast solution: 10 points.

We understand as fast solution one being correct, with linear cost and able to overcome both the public and private tests. We understand as slow solution one not being fast, but correct and able to overcome the public tests.

Problem information

Author: PRO1

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