

### A. Drawing Task

time limit per test: 1 second🕒  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

A young little boy is feeling boredom and didn't know what to do. by chance, he read on the internet that: drawing helps get rid of boredom. unfortunately, he didn't know how to draw but he is very creative.so he asks you to help him.

He got an empty grid of size  $n \times m$ , its rows are numbered from 1 through  $n$  and its columns are numbered from 1 through  $m$ , and it is initially filled with dots ".".

He will give you some instructions and you have to apply them one by one in the order they were given to you or He still feel bored and then kill himself, each instruction contains 4 integers  $r_1, c_1, r_2, c_2$  and a lowercase Latin letter c, meaning that have to fill the sub-grid between rows r1 and r2 and columns c1 and c2, with the letter c.

Can you help the little boy ...?

#### Input

The first line of input contains 3 integers  $n, m, q(1 \leq n, m \leq 100, 0 \leq q \leq 100)$ , as described in the problem statement.

Followed by  $q$  lines each contains 4 integers  $r_1, c_1, r_2, c_2(1 \leq r_1, r_2 \leq n, 1 \leq c_1, c_2 \leq m)$ , and a lowercase Latin letter  $c$ .

#### Output

Print the grid after applying all the instructions.

#### Example

input	Copy
<pre>6 6 3 1 1 2 6 a 5 1 6 6 c 2 3 5 4 b</pre>	
output	Copy
<pre>aaaaaa aabbba ..bb.. ..bb.. ccbbcc ccccc</pre>	

#### Note

Don't print any extra spaces.

#### Assiut University Training - Newcomers

Public

Participant



#### About Group



ICPC Assiut  
community

[Group website](#)

#### Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

#### Sheet #9 (General medium)

Finished

Practice



#### About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).