

Garden

Lili inherited her grandfather's land and wanted to start gardening. Lili's garden size is $X \times Y$ with various types of plants marked with integer c.

Given a two-dimensional array that contains the type of plant in the garden. Lily wants to make T changes to the garden. For each change made, Lili will plant c in the a-th row of the b-th column of the array. The row and column starts from number 1.

Format Input

The input consists of integers X and Y followed by X lines of Y integers, the contents of Lili's garden. The next line contains an integer T which is the number of changes made by Lili. The next T line contains three numbers a, b, c which contains the array location index you want to change to the integer c.

Format Output

The output contains a two dimensional array in the form of a Lili garden plan after a change is made.

Constraints

- 1 < X, Y < 100
- $1 \le T \le 1000$
- $1 \le a \le X$
- $1 \le b \le Y$
- $1 \le c \le 100$

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Sample Input 1 (standard input)

```
3 3
1 1 1
1 1 1
1 1 1
3
1 1 3
```

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2 2 3		7	
3 3 3	4		

Sample Output 1 (standard output)

```
3 1 1
1 3 1
1 1 3
```

Sample Input 2 (standard input)

```
5 3
1 2 3
4 5 6
7 8 9
10 11 12
13 14 15
3
1 1 16
1 2 17
1 3 18
```

Sample Output 2 (standard output)

16 17 18	
4 5 6	
7 8 9	
10 11 12	
13 14 15	

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Lili mewarisi tanah milik kakeknya dan ingin memulai berkebun. Kebun milik Lili berukuran $X \times Y$ dengan berbagai macam jenis tanaman yang ditandai dengan bilangan bulat c.

Diberikan sebuah array dua dimensi yang berisi jenis tanaman pada kebun tersebut. Lili ingin membuat T buah perubahan pada kebun tersebut. Pada setiap perubahan yang dilakukan, Lili akan menanam tanaman jenis c pada baris ke-a dari kolom ke-b dari array. Diketahui nomor baris dan kolom dimulai dari 1.

Format Input

Input terdiri dari bilangan bulat X dan Y kemudian diikuti oleh X baris berisi Y bilangan bulat, nilai awal dari kebun Lili. Baris berikutnya berisi sebuah bilangan bulat T yang banyaknya perubahan yang dilakukan oleh Lili. T baris berikutnya berisi tiga bilangan a,b,c yang berisi index letak array yang ingin diubah menjadi bilangan bulat c.

Format Output

Output berisi sebuah array dua dimensi yang berupa denah kebun Lili setelah dilakukan perubahan.

Constraints

- $1 \le X, Y \le 100$
- $1 \le T \le 1000$
- $1 \le a \le X$
- 1 < *b* < *Y*
- $1 \le c \le 100$

Sample Input 1 (standard input)

3 3

1 1 1

1 1 1

1 1 1

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3		7
1 1 3		
2 2 3		
3 3 3		

Sample Output 1 (standard output)

```
3 1 1
1 3 1
1 1 3
```

Sample Input 2 (standard input)

```
5 3
1 2 3
4 5 6
7 8 9
10 11 12
13 14 15
3
1 1 16
1 2 17
1 3 18
```

Sample Output 2 (standard output)

16 17 18 4 5 6		
7 8 9		
10 11 12 13 14 15	INTACKS	

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