

## Column exchange

In a given two-dimensional array of whole numbers, find the column index of the maximum element of a two-dimensional array. It is required to swap the first column with the column with column index and display the resulting two-dimensional array.

### Input

From a standard input device, two whole  $M$  and  $N$  numbers are entered in the first row - respectively, the number of rows and columns of the two-dimensional array  $A$ :  $1 \leq M \leq 100$ ,  $1 \leq N \leq 100$ . In the following  $M$  rows are entered exactly on  $N$  elements - the values of the two-dimensional array elements.

### Output

Is required to deduce the resulting after the exchanged two-dimensional array  $A$ . **After each element of the matrix, need to deduce a space.**

### Sample Input

```
3 4
1 2 3 3
4 5 6 3
7 8 9 3
```

### Sample Output

```
3 2 1 3
6 5 4 3
9 8 7 3
```

### Note

If the maximum element occurs in a two-dimensional array more than once, is required to choose the first when bypassing the matrix on rows from zero to the last.