Problem

Submissions

Leaderboard

Discussions

Refer this video if you do not know how to find transpose of a given matrix.

Input Format

Input will contain 1 + m rows.

First line will contain dimensions of matrix (*m by n*).

Next *m* lines will contain rows of matrix; one row of matrix per line, and each line would have *n* integers separated by tab.

Constraints

0 < m, n <= 100

-100000 < each element of input matrices <= 100000

Output Format

Output should have 1 + p lines.

First line should have dimensions of resultant matrix (p by q).

Next p lines should have rows of resultant matrix; one row of resultant matrix per line, and each line should have q integers separated by tab.

Sample Input 0

1 1

Sample Output 0

1 1

Sample Input 1

1 2

Sample Output 1

1

2 1

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```
Sample Input 2
```

5 7

Sample Output 2

Sample Input 3

Sample Output 3

Sample Input 4

Sample Output 4

Sample Input 5

Sample Output 5

Sample Input 6

Sample Output 6

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```
3 2
1 4
2 5
3 6
```

Sample Input 7

```
3 2
1 4
2 5
```

Sample Output 7

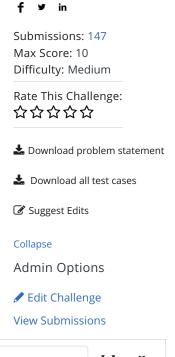
```
2 3
1 2 3
4 5 6
```

Sample Input 8

```
3 4
1 20 3 4
5 -6 71 88
9 10 -75 98
```

Sample Output 8

```
4 3
1 5 9
20 -6 10
3 71 -75
4 88 98
```



#include <stdio.h>
#include <string.h>

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```
3 #include <math.h>
  4 #include <stdlib.h>
  6▼int main() {
        /\star Enter your code here. Read input from STDIN. Print output to STDOUT \star/
  8▼
        return 0;
 10 }
 11
                                                                                Line: 1 Col: 1
Run Code
                                                                                Submit Code
```

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