

Rotate Matrix 90 Degree Anti-Clockwise

A MxN matrix is passed as the input. The program must rotate the matrix by 90 degrees in anti-clock wise direction and print the rotated matrix as the output.

Input Format:

First line will contain the value of M.

Second line will contain the value of N.

Next M lines will contain the N values with each value separated by one or more space.

Output Format:

N lines will contain the M values with each value separated by one or more space.

Boundary Conditions:

$2 \leq M \leq 15$

$2 \leq N \leq 15$

Example Input/Output 1:

Input:

```
2
3
4 5 9
1 3 5
```

Output:

```
9 5
5 3
4 1
```

Example Input/Output 2:

Input:

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

Output:

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