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Add two matrices

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Problem

Submissions

Leaderboard

Discussions

Read two integer matrices from input. Add the two matrices and output resultant matrix if addition is feasible.

Input Format

Input will contain 2 + m + x lines.

First line will contain dimensions of first matrix (*m by n*). values of *m* and *n* will be separated by tab.

Second line will contain dimensions of second matrx (x by y). values of x and y will be separated by tab.

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

Next *x* lines will contain rows of second matrix; one row of second matrix per line, and each line will have *y* integer values separated by tab.

Constraints

1 <= *m*, *n*, *x*, *y* <= 1000

-1000000 <= each element of input matrices <= 1000000

Output Format

If addition is possible, output should have 1 + p lines.

First line should have dimensions of resultant matrix $(p \ by \ q)$, values of p and q will be separated by tab.

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

If addition is not possible, output should have one line containing following text in capital letters.

ADDITION NOT POSSIBLE

Sample Input 0

- 1 1
- 1
- 10

Sample Output 0

- 1 1
- 22

Sample Input 1

```
3
3
1
     20
           3
5
     -6
           71
                 88
9
     10
           -75
                 98
79
           24
     12
                 11
      34
      -19
            23
                  57
-5
```

Sample Output 1

3	4		
80	32	27	15
24	28	72	88
4	-9	-52	155

Sample Input 2

Sample Output 2

2 2 9 9 9 9

Sample Input 3

2 3 2 3 1 2 3 4 5 6 12 11 10

Sample Output 3

2 3 13 13 13 13 13 13

Sample Input 4

Sample Output 4

3 2 7 7

```
7 7
7 7
```

Sample Input 5

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

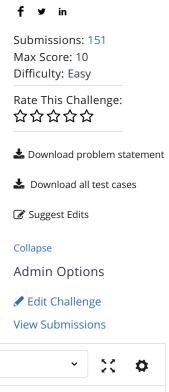
Sample Output 5

3	3	
10	10	10
10	10	10
10	10	10

Sample Input 6

Sample Output 6

ADDITION NOT POSSIBLE



#include <stdio.h>

```
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 ▼ int main() {
7
8 ▼ /* Enter your code here. Read input from STDIN. Print output to STDOUT */
9 return 0;
10 }
11

Line:1 Col:1

Line:1 Code
Submit Code
```

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