Identical Matrices

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✨ Problem Statement

You are given two n x m matrices A and B. Your task is to make them completely identical. To achieve  this goal, you can perform the following actions in a single move.

     (i) choose either one of the matrices A or B.

    (ii) choose either one row or one column of the selected matrix.

    (iii) increment all the numbers in the selected row or column by 1.

   What is the minimal number of moves he has to perform in order to make matrices A and B equal? or is it

   just impossible?

✨ Input Format

The first line gives the value of n and m respectively followed by elements of matrices A and B in the next  consecutive lines.

✨ Output Format

print the minimal number of moves. If impossible then print -1.

✨ Time Limit2 secs. Each test case should pass in 2 secs.✨ Sample Input     2 2   
     1 1   
     1 1   
     1 2   
     3 4✨ Sample Output3✨ Real Testcases

| **No.** | **IP** | **OP** |
| --- | --- | --- |
| 1 | 2 2       1 1       1 1       1 2       3 4 | 3 |
| 2 | 2 2       1 1       1 1       1 2       3 4 | 3 |
| 3 | 2 2       1 9                                     9 1       9 1       1 9 | -1 |
| 4 | 1 4       4 5 7 1       2 3 4 5 | 9 |

✨ Tags

CLOSE