Diagonal Difference **■**





Given a square matrix of size N imes N , calculate the absolute difference between the sums of its diagonals.

Input Format

The first line contains a single integer, N. The next N lines denote the matrix's rows, with each line containing N space-separated integers describing the columns.

Constraints

• $-100 \le \text{Elements in the matrix} \le 100$

Output Format

Print the absolute difference between the two sums of the matrix's diagonals as a single integer.

Sample Input

```
3
11 2 4
4 5 6
10 8 -12
```

Sample Output

15

Explanation

The primary diagonal is:

Sum across the primary diagonal: 11 + 5 - 12 = 4

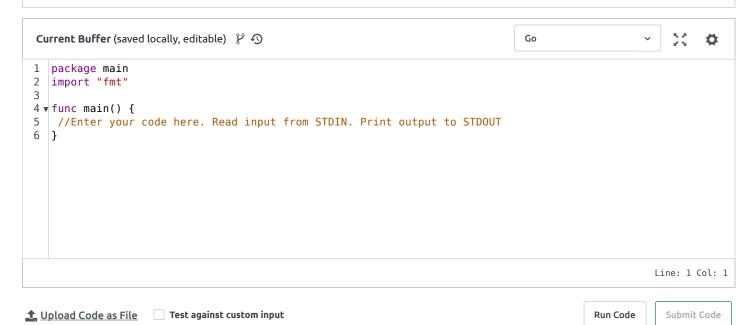
The secondary diagonal is:

Sum across the secondary diagonal: 4 + 5 + 10 = 19Difference: |4 - 19| = 15

Note: |x| is absolute value function

Submissions: 313305
Max Score: 10
Difficulty: Easy
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