Diagonal Difference

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Given a square matrix of size $N \times N$, 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

- $-100 \leq \textbf{Elements in the matrix} \leq 100$

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:

```
11
   5
     -12
```

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

The secondary diagonal is:

```
     4
   5
10
```

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

Note: |x| is absolute value function

Submissions: 313305
Max Score: 10
Difficulty: Easy

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Current Buffer (saved locally, editable) Go

```
1  package main
2  import "fmt"
3
4  func main() {
5   //Enter your code here. Read input from STDIN. Print output to STDOUT
6  }
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code