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

Function Description

Complete the function which is described by the below signature:

```
integer diagonalDifference(2D_integer_array a) {
    # Return the absolute difference between the diagonal sums
}
a: 2D array of elements in the matrix
```

Constraints

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

Raw Input Format

The first line contains a single integer, n denoting the number of rows and columns in the matrix a.
The next n lines denote the matrix a's rows, with each line containing n space-separated integers describing the columns.

Sample Input 0

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

Sample Output 0

```
15
```

Explanation 0

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 the absolute value of x