Diagonal Diference

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

For example, the square matrix is shown below:

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

The left-to-right diagonal = . The right to left diagonal = . Their absolute difference is .

Function description

Complete the function in the editor below.

diagonalDifference takes the following parameter:

- *int arr[n][m]*: an array of integers

Return

- *int*: the absolute diagonal difference

Input Format

The first line contains a single integer, , the number of rows and columns in the square matrix .

Each of the next lines describes a row, , and consists of space-separated integers .

Constraints

Output Format

Return the absolute difference between the sums of the matrix's two 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 the absolute value of x