#10 Days of Code

Day 9:

Objective:

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

Task:

the square matrix arr is shown below:

1 2 3

4 5 6

9 8 9

The left-to-right diagonal = 1+5+9=15. The right to left diagonal = 3+5+9=17. Their absolute difference is | 15 - 17 | = 2

Input:

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

Each of the next n lines describes a row, arr[i], and consists of n space-separated integers arr[i][j].

Output:

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

3

11 2 4

4 5 6

10 8 -12

15