**Description:**  
Given a square matrix of size n×n \times n×n, find the absolute difference between the sums of its main diagonal and its secondary diagonal.

**Example:**  
Input:

3

1 2 3

4 5 6

7 8 9

Output: 0  
Explanation: The sum of the main diagonal (1 + 5 + 9) is 15, and the sum of the secondary diagonal (3 + 5 + 7) is also 15. The absolute difference is ∣15−15∣=0|15 - 15| = 0∣15−15∣=0.

Input Format:

* The first line contains an integer n (1 ≤ n ≤ 100), representing the dimensions of the matrix.
* The next n lines contain n integers each, representing the elements of the matrix.

Output Format:

* A single integer representing the absolute difference.

Sample Test Cases:

1. Input:

2

4 5

7 8

Output: 6

2.Input:

3

2 1 3

4 8 6

7 5 9

Output: 4