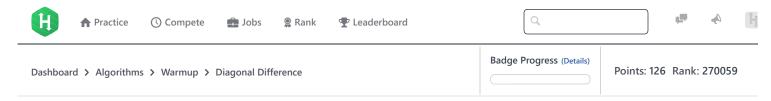
15/11/2017 HackerRank



Diagonal Difference





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

• $-100 \le Elements$ in the matrix ≤ 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:

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

The secondary diagonal is:

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

Note: |x| is absolute value function

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f y in
Submissions:355515
Max Score:10
Difficulty: Easy
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```
Current Buffer (saved locally, editable) & 🗘
                                                                                               Java 7
                                                                                                                                 \Diamond
 1 ▼ import java.io.*;
 2 import java.util.*;
 3
    import java.text.*;
 4
    import java.math.*;
 5
    import java.util.regex.*;
 7 ▼ public class Solution {
 8
 9 ▼
         public static void main(String[] args) {
10
             Scanner in = new Scanner(System.in);
11
             int n = in.nextInt();
             int a[][] = new int[n][n];
12 ▼
13 ▼
             for(int a_i=0; a_i < n; a_i++){</pre>
                  for(int a_j=0; a_j < n; a_j++){</pre>
14 ▼
15 🔻
                      a[a_i][a_j] = in.nextInt();
16
17
             }
18
         }
19
    }
20
                                                                                                                         Line: 1 Col: 1
                       Test against custom input
                                                                                                            Run Code
                                                                                                                          Submit Code
1 Upload Code as File
```

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