

UWPC

Question 5

Spreadsheet Checksum

You have been given a spreadsheet consisting of rows of numbers. Your task is to calculate the spreadsheet's checksum. For each row, determine the difference between the largest value and the smallest value; the checksum is the sum of all of these differences.

Input

- Multiple lines of integers, each line representing a row of the spreadsheet. The numbers in each row will be separated by spaces.

Output

- A single integer, representing the checksum of the spreadsheet.
-

Sample 1

Input

```
5 1 9 5
7 5 3
2 4 6 8
```

Output

```
18
```

Explanation:

- The first row's largest and smallest values are 9 and 1, and their difference is 8.
- The second row's largest and smallest values are 7 and 3, and their difference is 4.
- The third row's largest and smallest values are 8 and 2, and their difference is 6.
- The checksum is $8 + 4 + 6 = 18$.

Sample 2

Input

```
5 5
7 5 1
2 4 6 8 10
```

Output

14

Explanation:

- The first row's largest and smallest values are both 5, and their difference is 0.
- The second row's largest and smallest values are 7 and 1, and their difference is 6.
- The third row's largest and smallest values are 10 and 2, and their difference is 8.
- The checksum is $0 + 6 + 8 = 14$.

Sample 3**Input**

```
1 5 10
2 4 6
```

Output

13

Explanation:

- The first row's largest and smallest values are 10 and 1, and their difference is 9.
- The second row's largest and smallest values are 6 and 2, and their difference is 4.
- The checksum is $9 + 4 = 13$.