



Compare the Triplets ☆

Problem

[Submissions](#)[Leaderboard](#)[Discussions](#)[Editorial](#)

Alice and Bob each created one problem for HackerRank. A reviewer rates the two challenges, awarding points on a scale from **1** to **100** for three categories: problem clarity, originality, and difficulty.

We define the rating for Alice's challenge to be the triplet $a = (a[0], a[1], a[2])$, and the rating for Bob's challenge to be the triplet $b = (b[0], b[1], b[2])$.

Your task is to find their comparison points by comparing $a[0]$ with $b[0]$, $a[1]$ with $b[1]$, and $a[2]$ with $b[2]$.

- If $a[i] > b[i]$, then Alice is awarded **1** point.
- If $a[i] < b[i]$, then Bob is awarded **1** point.
- If $a[i] = b[i]$, then neither person receives a point.

Comparison points is the total points a person earned.

Given a and b , determine their respective comparison points.

For example, $a = [1, 2, 3]$ and $b = [3, 2, 1]$. For elements **0**, Bob is awarded a point because $a[0] < b[0]$. For the equal elements $a[1]$ and $b[1]$, no points are earned. Finally, for elements **2**, $a[2] > b[2]$ so Alice receives a point. Your return array would be **[1, 1]** with Alice's score first and Bob's second.

Function Description

Complete the function `compareTriplets` in the editor below. It must return an array of two integers, the first being Alice's score and the second being Bob's.

`compareTriplets` has the following parameter(s):

- a : an array of integers representing Alice's challenge rating
- b : an array of integers representing Bob's challenge rating

Input Format

The first line contains **3** space-separated integers, $a[0]$, $a[1]$, and $a[2]$, describing the respective values in triplet a .

The second line contains **3** space-separated integers, $b[0]$, $b[1]$, and $b[2]$, describing the respective values in triplet b .

Constraints

- $1 \leq a[i] \leq 100$
- $1 \leq b[i] \leq 100$

Output Format

Return an array of two integers denoting the respective comparison points earned by Alice and Bob.

Sample Input 0

```
5 6 7
3 6 10
```

Sample Output 0

```
1 1
```

Explanation 0

In this example:

- $a = (a[0], a[1], a[2]) = (5, 6, 7)$
- $b = (b[0], b[1], b[2]) = (3, 6, 10)$

Now, let's compare each individual score:

- $a[0] > b[0]$, so Alice receives **1** point.
- $a[1] = b[1]$, so nobody receives a point.
- $a[2] < b[2]$, so Bob receives **1** point.

Alice's comparison score is **1**, and Bob's comparison score is **1**. Thus, we return the array **[1, 1]**.

Sample Input 1

```
17 28 30
99 16 8
```

Sample Output 1

Author

Shafaet

Difficulty

Easy

Max Score

10

Submitted By

926347

NEED HELP?

[View discussions](#)[View editorial](#)[View top submissions](#)

RATE THIS CHALLENGE



MORE DETAILS

[Download problem statement](#)[Download sample test cases](#)[Suggest Edits](#)

Sample Output :

```
2 1
```

Explanation 1

Comparing the 0th elements, $17 < 99$ so Bob receives a point.

Comparing the 1st and 2nd elements, $28 > 16$ and $30 > 8$ so Alice receives two points.

The return array is [2,1].

Change Theme Java 8

```
38         .map(Integer::parseInt)
39         .collect(toList());
40
41     List<Integer> b = Stream.of(bufferedReader.readLine().replaceAll("\\s+$", ""))
42     .split(" ")
43     .map(Integer::parseInt)
44     .collect(toList());
45
46     List<Integer> result = compareTriplets(a, b);
47
48     bufferedWriter.write(
49         result.stream()
50             .map(Object::toString)
51             .collect(joining(" "))
52             + "\n"
53     );
54
55     bufferedReader.close();
56     bufferedWriter.close();
57 }
58
59
```

Line: 59 Col: 1

[Upload Code as File](#) [Test against custom input](#)

Run Code

Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Sample Test case 1

Input (stdin)

Download

```
1 5 6 7
2 3 6 10
```

Your Output (stdout)

```
1 1 1
```

Expected Output

Download

```
1 1 1
```