

# **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  $b_2$ .

- ullet If  $a_i>b_i$ , then Alice is awarded 1 point.
- ullet If  $a_i < b_i$ , then Bob is awarded 1 point.
- ullet If  $a_i=b_i$ , then neither person receives a point.

Comparison points is the total points a person earned.

Given  $\emph{A}$  and  $\emph{B}$ , can you compare the two challenges and print their respective comparison points?

### **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

- $1 \le a_i \le 100$
- $1 \le b_i \le 100$

### **Output Format**

Print two space-separated integers denoting the respective comparison points earned by Alice and Bob.

### Sample Input

5 6 7 3 6 10

## **Sample Output**

1 1

## **Explanation**

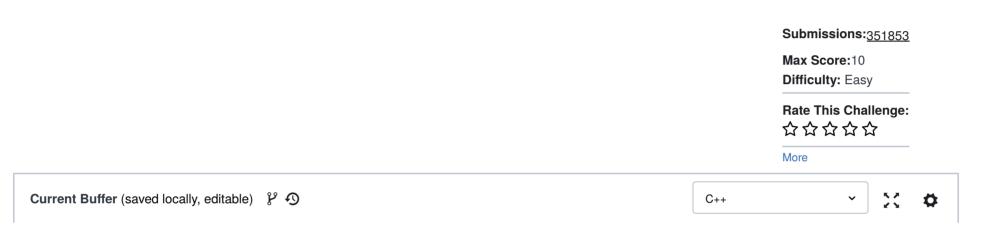
In this example:

- $\bullet$   $A=(a_0,a_1,a_2)=(5,6,7)$
- $B = (b_0, b_1, b_2) = (3, 6, 10)$

Now, let's compare each individual score:

- $a_0 > b_0$ , so Alice receives 1 point.
- ullet  $a_1=b_1$ , so nobody receives a point.
- ullet  $a_2 < b_2$ , so Bob receives 1 point.

Alice's comparison score is 1, and Bob's comparison score is 1. Thus, we print 1 1 (Alice's comparison score followed by Bob's comparison score) on a single line.



```
1 v #include <bits/stdc++.h>
 3
   using namespace std;
 5 vector < int > solve(int a0, int a1, int a2, int b0, int b1, int b2){
        // Complete this function
 7 }
 8
 9 vint main() {
        int a0;
10
11
        int al;
12
        int a2;
        cin >> a0 >> a1 >> a2;
13
14
        int b0;
15
        int b1;
16
        int b2;
17
        cin >> b0 >> b1 >> b2;
        vector < int > result = solve(a0, a1, a2, b0, b1, b2);
18
        for (ssize t i = 0; i < result.size(); i++) {</pre>
19 ▼
            cout << result[i] << (i != result.size() - 1 ? " " : "");</pre>
20 ▼
21
        }
22
        cout << endl;</pre>
23
24
25
        return 0;
26 }
27
                                                                                                                              Line: 1 Col: 1
                      Test against custom input
♣ Upload Code as File
                                                                                                                   Run Code
                                                                                                                               Submit Code
```

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