



# Compare the Triplets

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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  $B$ , 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

- $1 \leq a_i \leq 100$
- $1 \leq b_i \leq 100$

## 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:

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

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 print 1 1 (Alice's comparison score followed by Bob's comparison score) on a single line.

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Max Score: 10

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

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Current Buffer (saved locally, editable)  

C++14  

```
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int ali[3], bob[3], a=0, b=0;
7     for (int i=0; i<3; ++i)
8         cin>>ali[i];
9     for (int i=0; i<3; ++i)
10        cin>>bob[i];
11    for(int i=0; i<3; i++)
12    {
13        if (ali[i]>bob[i]) {a=a+1;}
14        else if (ali[i]<bob[i]) {b=b+1;}
15        else {a=a+0; b=b+0;}
16    }
17    cout<<a<<"\t"<<b<<endl;
18    return 0;
19 }
```

Line: 1 Col: 1

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

Run Code

Submit Code