
 <b>Marwadi</b> University	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 4</b>	<b>Name : VEDANT BHARAD</b>	
<b>Day : 73</b>	<b>Date : 29/12/2022</b>	<b>Enrollment No: 92100133023</b>

## CP Club 365 Days Challenge

Programming language – C++

### Problem Statement

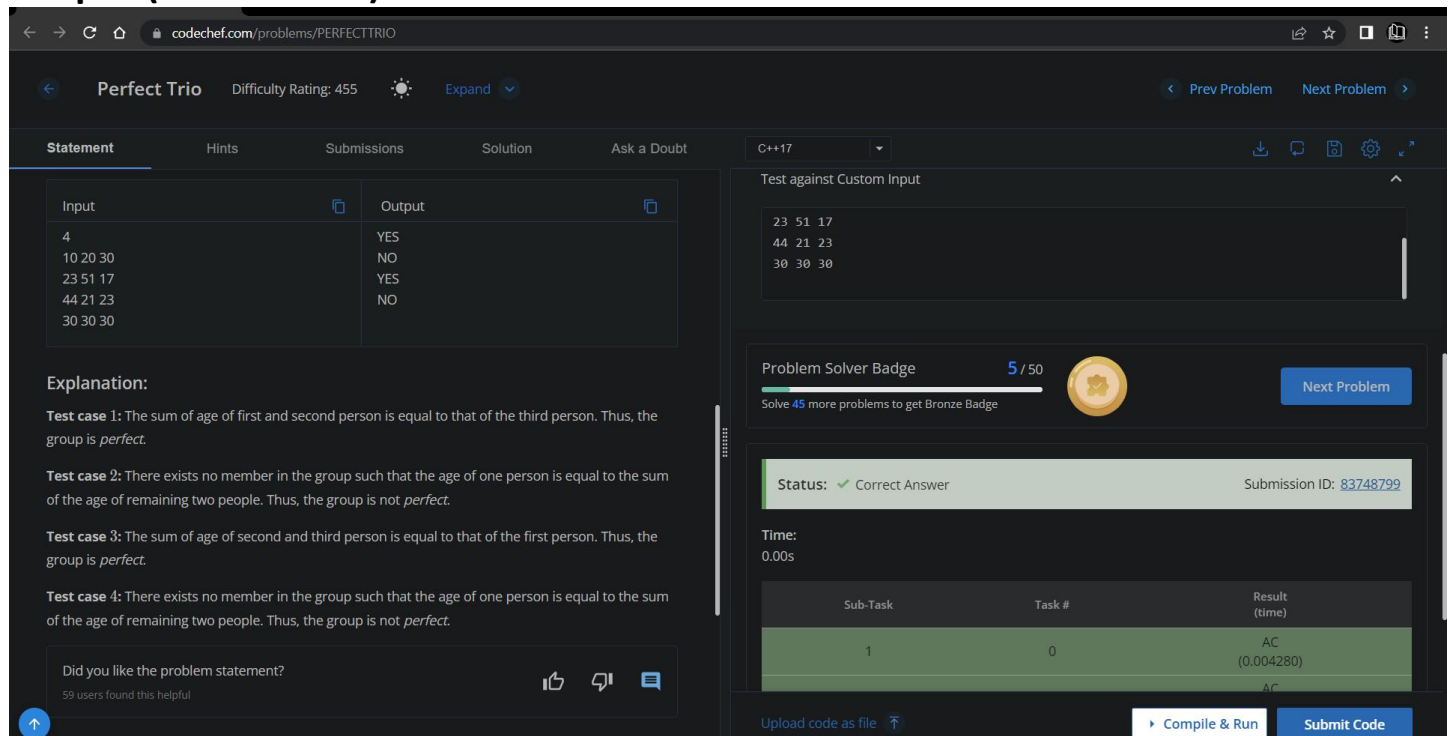
<https://www.codechef.com/START71C/problems/PERFECTTRIO>

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## Your Code:

```
// 0x73Day of 0x365Days challenge
// VEDANT BHARAD
// 29-12-2022
#include <bits/stdc++.h>
using namespace std;
string Trio(int a[]) {
    if(a[0]==(a[1]+a[2]))
        return "YES";
    return "NO";
}
int main() {
    int t;
    cin >> t;
    while (t--) {
        int arr[3];
        for (int i = 0; i < 3; i++) {
            cin >> arr[i];
        }
        sort(arr, arr + 3, greater<int>());
        cout<<Trio(arr)<<endl;
    }
    return 0;
}
```

## Output (Screen Shot):



The screenshot shows the CodeChef interface for the problem "Perfect Trio" (Difficulty Rating: 455). The problem statement is on the left, and the submission status is on the right.

**Problem Statement:**

**Input:**

```
4
10 20 30
23 51 17
44 21 23
30 30 30
```

**Output:**

```
YES
NO
YES
NO
```

**Explanation:**

**Test case 1:** The sum of age of first and second person is equal to that of the third person. Thus, the group is *perfect*.

**Test case 2:** There exists no member in the group such that the age of one person is equal to the sum of the age of remaining two people. Thus, the group is not *perfect*.

**Test case 3:** The sum of age of second and third person is equal to that of the first person. Thus, the group is *perfect*.

**Test case 4:** There exists no member in the group such that the age of one person is equal to the sum of the age of remaining two people. Thus, the group is not *perfect*.

**Submission Status:**

Test against Custom Input

```
23 51 17
44 21 23
30 30 30
```


Problem Solver Badge: 5/50 (Solve 45 more problems to get Bronze Badge)

Status: ✔ Correct Answer (Submission ID: 83748799)

Time: 0.00s

Sub-Task	Task #	Result (time)
1	0	AC (0.004280)

Buttons: Upload code as file, Compile & Run, Submit Code

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### Understanding about problem:

- In this task I need to check whether the group of three numbers is perfect group or not and return YES if it is perfect group else return NO.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

**ALL THE BEST**

Team CP Club