 <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 : 95</b>	<b>Date : 20/1/2023</b>	<b>Enrollment No: 92100133023</b>

## CP Club 365 Days Challenge

Programming language – C++


### Problem Statement

<https://www.codechef.com/problems/EVMHACK>

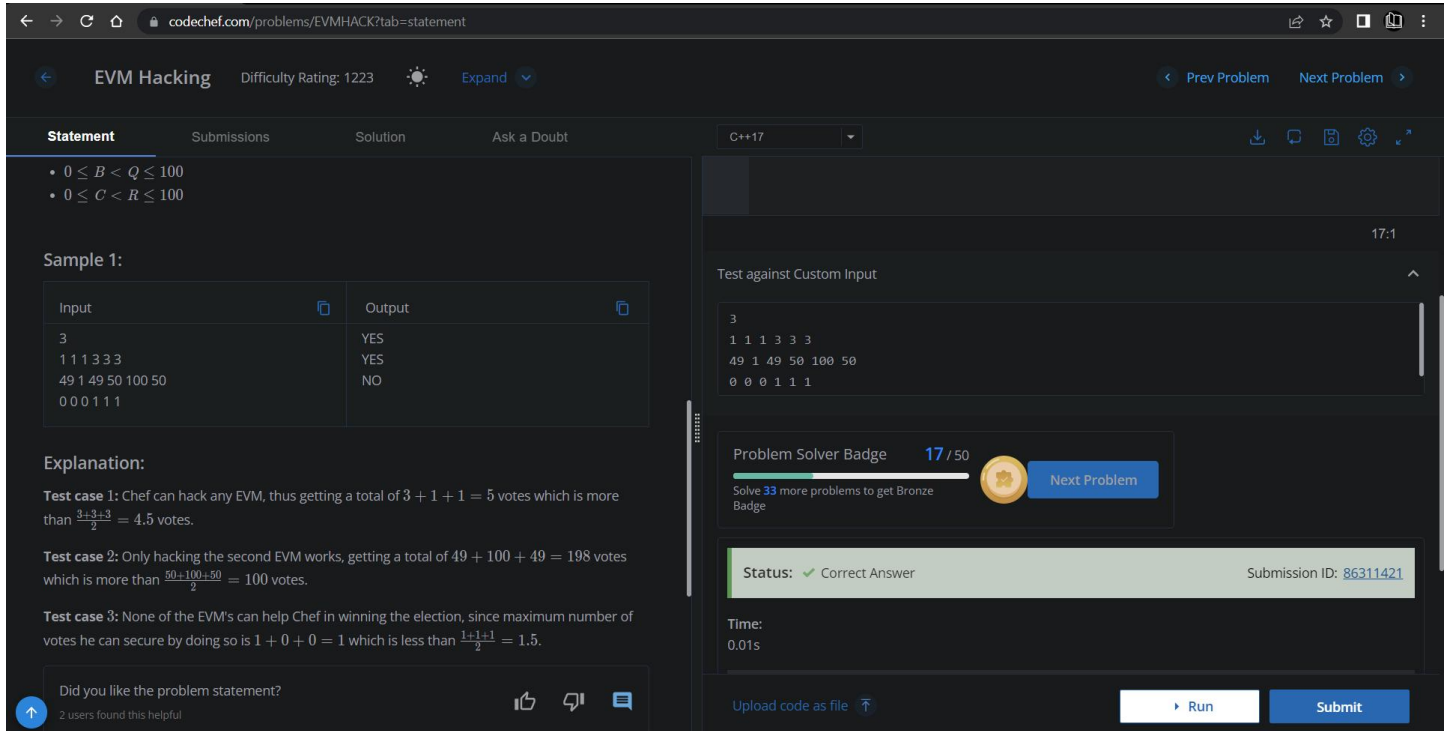
Git :- [https://github.com/Vedantbharad2603/CP\\_club\\_365\\_Days](https://github.com/Vedantbharad2603/CP_club_365_Days)

### **Your Code:**

```
// 0x95Day of 0x365Days challenge
// VEDANT BHARAD
// 20-1-2023
#include <iostream>
using namespace std;
int main()
{
    int t;
    cin>>t;
    while(t--)
    {
        int a,b,c,p,q,r;
        cin>>a>>b>>c>>p>>q>>r;
        double sum =a+b+c+(max(p-a,(max(q-b, r-c))));
        if(sum>((p+q+r)/2))
            cout<<"YES"<<endl;
        else
            cout<<"NO"<<endl;
    }
    return 0;
}
```

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## Output (Screen Shot):



The screenshot shows the CodeChef problem page for "EVM Hacking" (Difficulty Rating: 1223). The problem statement is visible, including constraints and sample input/output. The user has submitted a solution in C++17, which has been accepted (Status: Correct Answer). The submission ID is 86311421. The user has also earned a Problem Solver Badge (17/50) and a Next Problem button is visible.

## Understanding about problem:

- In This task party need vote more than total =  $(P+Q+R)/2$  votes for win and they can hack only one EVM. If  $a+b+c+(\max(p-a, (\max(q-b, r-c))))$  will be more than  $(P+Q+R)/2$  votes then print "YES" because after hack we can win and if it is less then print "NO" because even after hack we can not win.

**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