 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 6	Name : Pushti Depani	
Day : 104	Date : 29/1/2023	Enrollment No: 92000133018

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

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


<https://github.com/Pushti18/CP-Club-100-onwards->

<https://www.codechef.com/viewsolution/87268145>

Your Code:

```
#include<bits/stdc++.h>
using namespace std;

int main() {
    // your code goes here
    int t;
    cin>>t;
    while(t--){
        int r,b,g,m;
        cin>>r>>b>>g>>m;
        int R[r], B[b], G[g];
        int mx1=0,mx2=0,mx3=0;
        for(int i=0;i<r;i++){
            cin>>R[i];
            mx1=max(mx1,R[i]);
        }
        for(int i=0;i<b;i++){
            cin>>B[i];
            mx2=max(mx2,B[i]);
        }
        for(int i=0;i<g;i++){
            cin>>G[i];
            mx3=max(mx3,G[i]);
        }
        int a[] = {mx1,mx2,mx3};
```

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```

for (int i = 0; i < m; i++){
    sort(a,a+3);
    a[2]/=2;

}
sort(a,a+3);
cout << a[2] << "\n";
}
return 0;
}

```

Output (Screen Shot):

My Submissions

ID	Result	Time	Mem	Lang	Date	
87268145	✓	0.05s	5M	C++14	8 hours ago	→
1-1 of 1						< >

Understanding about problem:

In this problem we need to find the maximum from r,g,b after that we need to half the liquid so we will sort from that 3 and print $x/2$.

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