 <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 : 104</b>	<b>Date : 29/1/2023</b>	<b>Enrollment No: 92100133023</b>


## CP Club 365 Days Challenge

Programming language – C++

### Problem Statement


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

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

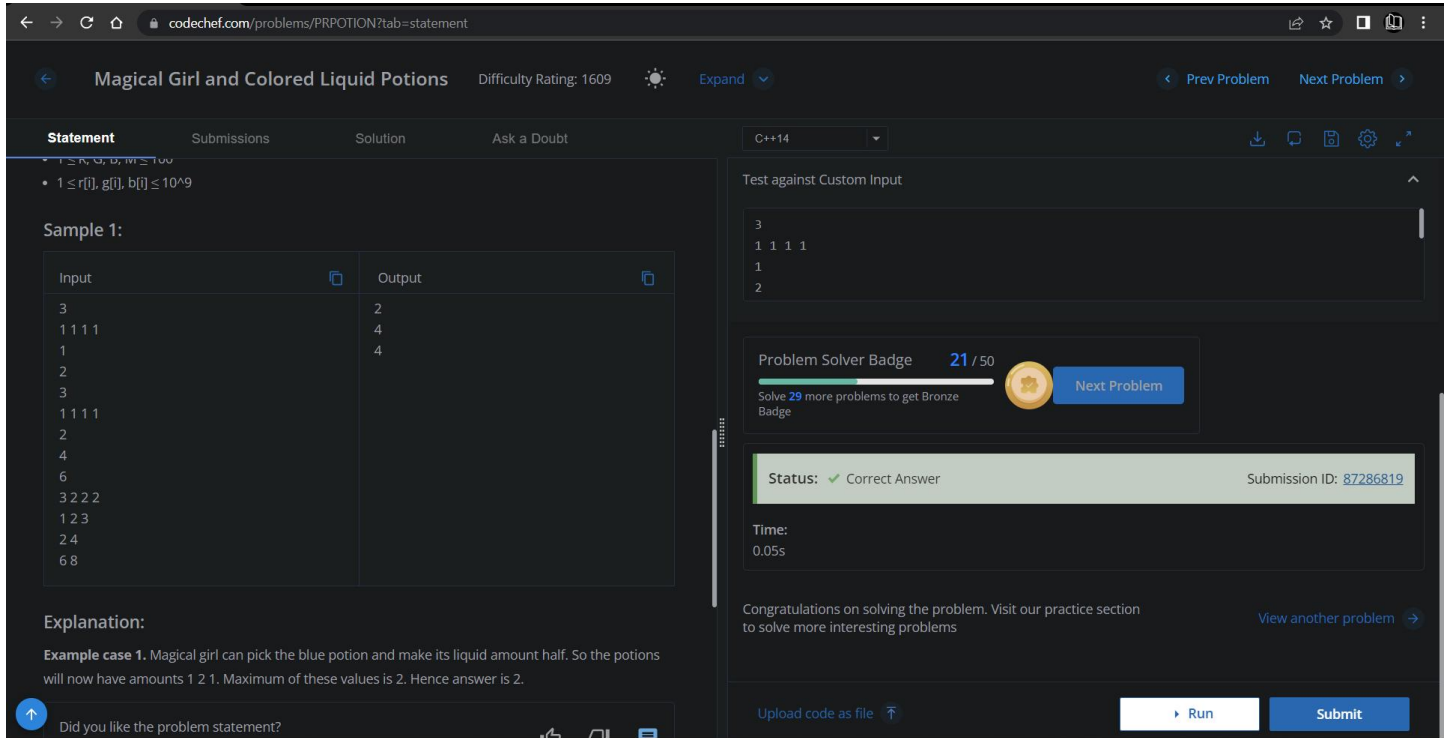
 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 4</b>	<b>Name : VEDANT BHARAD</b>	
<b>Day : 104</b>	<b>Date : 29/1/2023</b>	<b>Enrollment No: 92100133023</b>

## Your Code:

```
// 0x104Day of 0x365Days challenge
// VEDANT BHARAD
// 29-1-2023
#include <iostream>
using namespace std;
int grater(int a,int b)
{
    if(a>b) return a;
    return b;
}
int maxnum(int a,int b,int c)
{
    return max(max(a, b),c);
}
int main() {
    // your code goes here
    int t;
    cin >> t;
    while(t--) {
        int R, G, B, M;
        cin >> R >> G >> B >> M;
        long long r = 0, g = 0, b = 0, temp;
        for(int loop = 0; loop < R; loop++) {
            cin >> temp;
            r = grater(r,temp);
        }
        for(int loop = 0; loop < G; loop++) {
            cin >> temp;
            g = grater(g,temp);
        }
        for(int loop = 0; loop < B; loop++) {
            cin >> temp;
            b = grater(b,temp);
        }
        while(M--) {
            if(r > g && r > b)
                r /= 2;
            else if(g > b)
                g /= 2;
            else
                b /= 2;
        }
        cout<<maxnum(r,g,b)<<endl;
    }
    return 0;
}
```

 <b>Marwadi University</b>	<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 : 104</b>	<b>Date : 29/1/2023</b>	<b>Enrollment No: 92100133023</b>

## Output (Screen Shot):



The screenshot shows the CodeChef interface for the problem "Magical Girl and Colored Liquid Potions". The problem statement is visible on the left, and the right side shows the submission details. The submission is marked as "Correct Answer" with a submission ID of 87286819. The time taken for the submission is 0.05s. The problem solver badge shows 21/50 solved problems, and the next problem button is visible.

**Statement** Submissions Solution Ask a Doubt

Difficulty Rating: 1609 Expand

Test against Custom Input

3  
1 1 1 1  
1  
2  
3  
1 1 1 1  
2  
4  
6  
3 2 2 2  
1 2 3  
2 4  
6 8

Output

2  
4  
4

Problem Solver Badge 21 / 50  
Solve 29 more problems to get Bronze Badge

Next Problem

Status: ✓ Correct Answer Submission ID: 87286819

Time: 0.05s

Congratulations on solving the problem. Visit our practice section to solve more interesting problems

View another problem

Upload code as file Run Submit

## Understanding about problem:

- In this task I need to minimize the maximum amount from given three array as given in problem, decrements the amount from the array for m time and then return the maximum number among three.

**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