 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 4	Name : VEDANT BHARAD	
Day : 118	Date : 12/02/2023	Enrollment No: 92100133023


CP Club 365 Days Challenge

Programming language – C++

Problem Statement


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

Git :- https://github.com/Vedantbharad2603/CP_club_365_Days

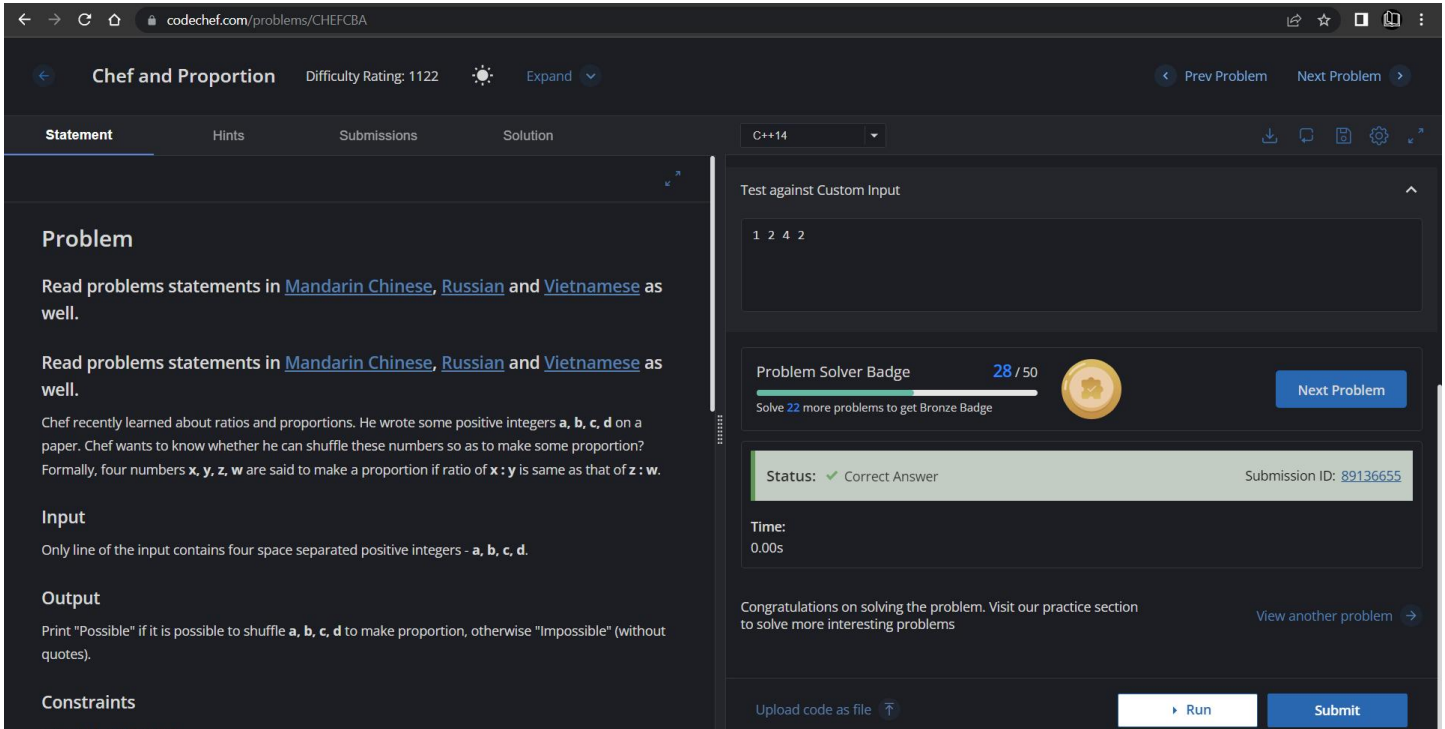
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Your Code:

```
// 0x118Day of 0x365Days challenge
// VEDANT BHARAD
// 12-2-2023
#include<bits/stdc++.h>
using namespace std;
int main() {
    // your code goes here
    int a,b,c,d;
    cin>>a>>b>>c>>d;
    if(a*c==b*d || a*b==c*d || a*d==b*c)
        cout<<"Possible"<<endl;
    else
        cout<<"Impossible"<<endl;
    return 0;
}
```

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Output (Screen Shot):



The screenshot shows the CodeChef problem page for "Chef and Proportion". The problem statement is on the left, and the right sidebar shows the solution status and a progress bar.

Problem Statement:

Read problems statements in [Mandarin Chinese](#), [Russian](#) and [Vietnamese](#) as well.

Read problems statements in [Mandarin Chinese](#), [Russian](#) and [Vietnamese](#) as well.

Chef recently learned about ratios and proportions. He wrote some positive integers a, b, c, d on a paper. Chef wants to know whether he can shuffle these numbers so as to make some proportion? Formally, four numbers x, y, z, w are said to make a proportion if ratio of $x : y$ is same as that of $z : w$.

Input

Only line of the input contains four space separated positive integers - a, b, c, d .

Output

Print "Possible" if it is possible to shuffle a, b, c, d to make proportion, otherwise "Impossible" (without quotes).

Constraints

1 ≤ a, b, c, d ≤ 1000

Solution Status:

Problem Solver Badge: 28 / 50
Solve 22 more problems to get Bronze Badge

Status: ✓ Correct Answer
Submission ID: 89136655

Time: 0.00s

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 find ratios in between given four number if there is then return Possible else return Impossible.

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