Hari Krishnan Nair

20BCS2000

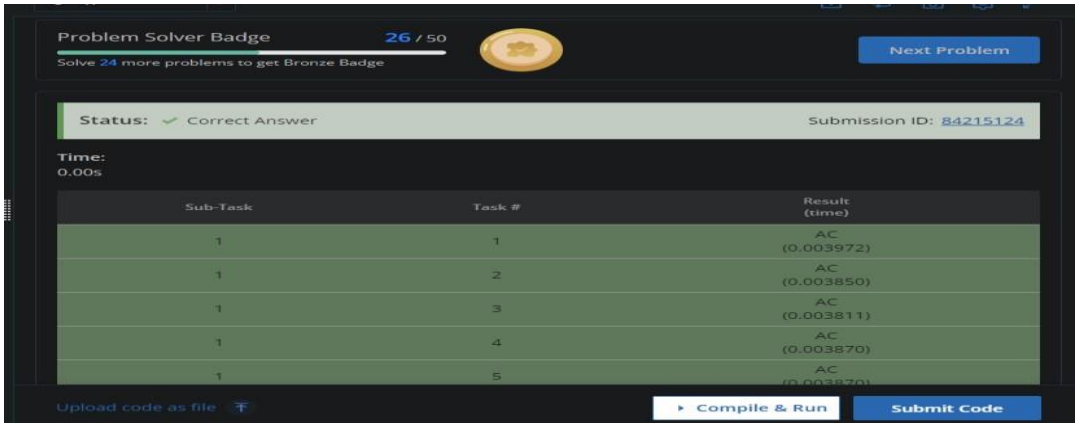
MM 903-A DDWC 43(IT Skills)

Worksheet-2

Q1. How many attempt problem

Code:

```
#include <iostream> using

namespace std;


int main() {

        int a,b;

cin>>a>>b;     cout<<(a-

b);       return 0;

}
```



Q2. Equal Integer

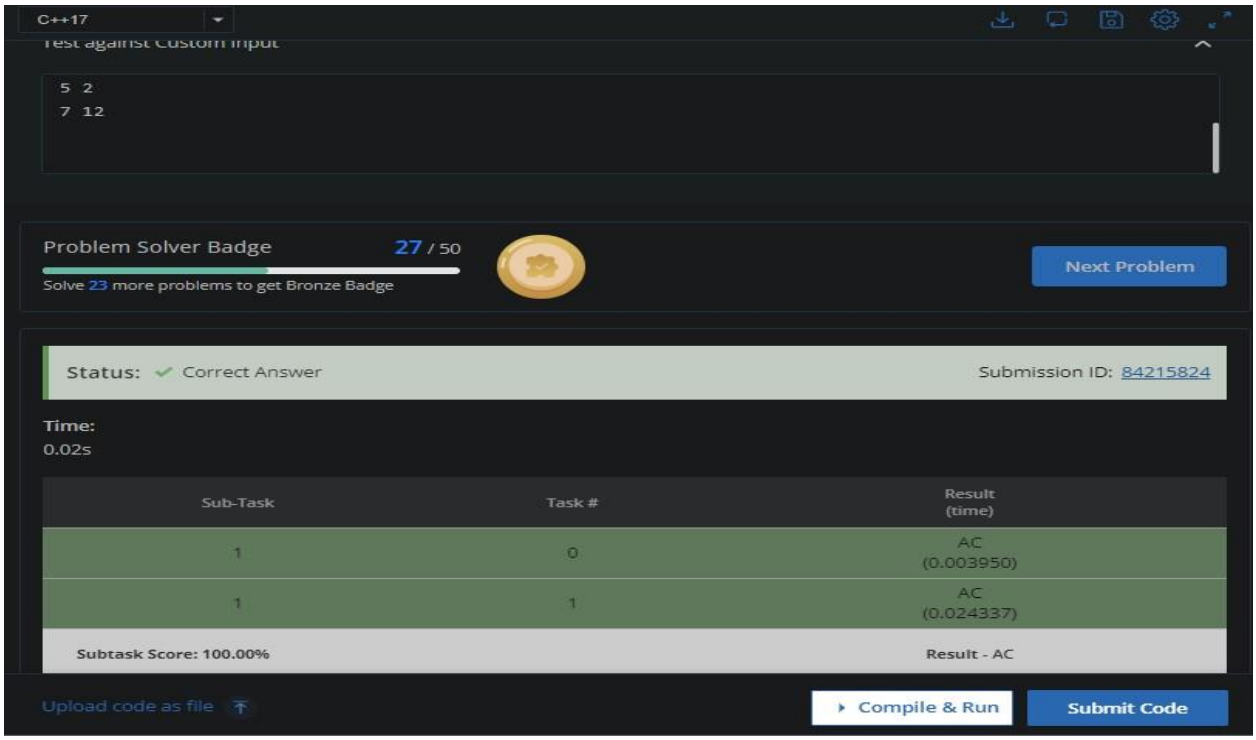
Code:

```
#include<iostream>
using namespace std;
int main()
{
	int t,x,y,count=0;
	cin>>t;
	while(t--){
	cin>>x>>y;
if(x<y)
	{
		while(x<y)
		{
			x=x+1;
			count++;
		}
		cout<<count<<endl;
		count=0;
	}
	else if(x==y)
	{
		cout<<"0"<<endl;
	}
```

```
        else if(x>y)
        {
                if(((x%2!=0)&&(y%2!=0))||((x%2==0)&&(y%2==0)))
        {
                        while(x>y)
                {
                        y=y+2;
                        count++;
                }
                cout<<count<<endl;
                count=0;
        }
else
                {
                        while(y<(x+1))
                        {
                                y=y+2;
                                count++;
                        }
                        if(x==y)
                        {
                                cout<<count<<endl;
                        }
                        else
                        {
```

```
                    x=x+1;
                    count++;
                    cout<<count<<endl;
                    count=0;
                }
            }
}
}
}
```

OUTPUT

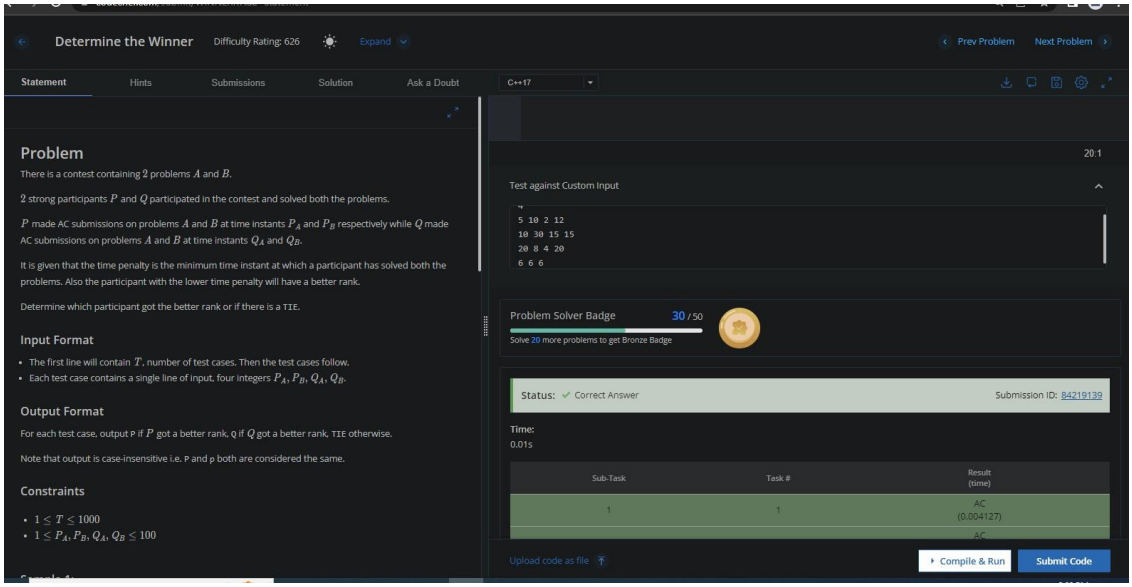


Q3. Determine the winner

Code:

```
#include <iostream> using
namespace std;


int main() {
        int t;
cin>>t;
        while(t--)
        {
           int pa,pb,qa,qb;
           cin>>pa>>pb>>qa>>qb;
   int p=max(pa,pb);      int
q=max(qa,qb);             if(p>q)
   cout<<"Q"<<endl;
else if(p==q)
cout<<"TIE"<<endl;      else
   cout<<"P"<<endl;
        }
        return 0;
}
```

OUTPUT:

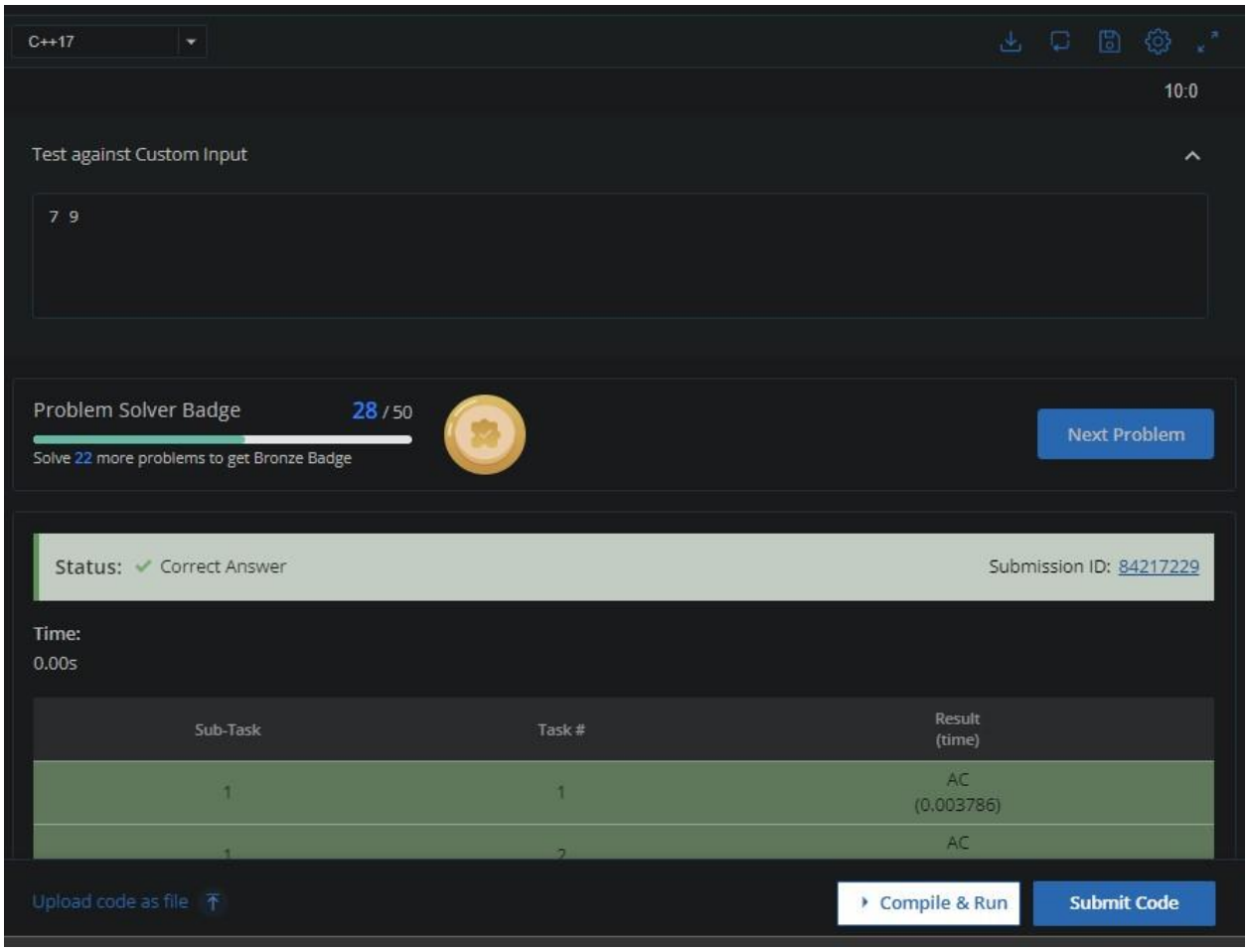


Q4. Chef Brain speed

Code:

```
#include <iostream> using

namespace std;


int main() {

        // your code goes here

        int x,y;

cin>>x>>y;

        cout<<(x<y?"Yes":"No")<<endl;

return 0;

}
```

OUTPUT



Q5. Volume Control Code:

```
#include<iostream> using

namespace std;



void solve(){

    int x,y, diff;

    cin>>x>>y;

    diff=x-y;

    cout<<abs(diff)<<"\n";
```

```
}

int main()
{
    int t;
    cin >> t;

    while(t--){
solve();     }
    return 0; }
```

OUTPUT: