CP With Shibam

Day-15

B. Honest Coach

```cpp
#include<bits/stdc++.h>

using namespace std;

int main(){

int n,i,t;

cin>>t;

while(t--){

        cin>>n;

        int a[n],s=1000;

        for(i=0;i<n;i++) cin>>a[i];

    sort(a,a+n);

    for(i=1;i<n;i++) s=min(s,a[i]-a[i-1]);

    cout<<s<<endl;}

}
```

A. Plus One on the Subset

```cpp
#include<bits/stdc++.h>

using namespace std;

int i,j,k,a[1010],t,n;

int main(){

        cin>>t;

        while(t--){

                cin>>n;

                for(i=1;i<=n;i++){
```

```cpp
            cin>>a[i];
        }sort(a+1,a+n+1);

        cout<<a[n]-a[1]<<endl;

    }
}
```