

## CP With Shibam

### Day-5

#### B. Balanced Array

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

using namespace std;

int t,n;

int main(){

    cin>>t;

    while(t--){

        cin>>n;

        if(n%4==0){

            cout<<"YES\n";

            for(int i=1;i<=n/2;i++)cout<<i*2<<' ';

            for(int i=1;i<n/2;i++)cout<<i*2-1<<' ';

            cout<<n+n/2-1<<'\\n';

        } else cout<<"NO\n";

    }

}
```

#### A. Holiday Of Equality

```
#include<iostream>

using namespace std;

int n,a,b,c,i;

main()

{
```

```

cin>>n;

while(i<n)
{
    cin>>a;

    b=max(b,a);

    c+=a;

    i++;

}

cout<<b*n-c<<" "<<endl;

}

```

#### [A. Spy Detected!](#)

```

#define ll long long
#include<bits/stdc++.h>
using namespace std;
int main()
{
    ll t;cin>>t;
    while(t--)
    {
        map<ll,ll>m,ind;

        ll n,a;

        cin>>n;

        for(int i=1;i<=n;i++){cin>>a;

```

```
m[a]++;
```

```
ind[a]=i;
```

```
}
```

```
for(auto i:m)if(i.second==1){cout<<ind[i.first]<<endl;}
```

```
}
```

```
}
```

Shibam