

## CP With Shibam

### Day-44

#### B. Following Directions

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

using namespace std;

int main(){

    int t;cin>>t;

    for(int i=0;i<t;i++){

        int n,u=0,r=0,x=0;cin>>n;

        string s;cin>>s;

        for(int j=0;j<n;j++){

            if(s[j]=='U')u++;

            else if(s[j]=='D')u--;

            else if(s[j]=='R')r++;

            else r--;

            if(u==1 && r==1)x=1;

        }

        cout<<(x?"YES":"NO")<<'\\n';

    }

    return 0;

}
```

#### B. Who's Opposite?

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

using namespace std;

int main (){
```

```
int t;  
cin>>t;  
while (t--){  
    int n,a,b,c;  
    cin>>a>>b>>c;  
    n=abs(a-b)*2;  
    if (a>n || b>n || c>n) cout<<-1<<endl;  
    else cout<<(n/2+c-1)%n+1<<endl;  
}  
return 0;  
}
```