

CP With Shibam

Day-21

[A. Magical Sticks](#)

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

using namespace std;

int main(){

    int t;

    cin>>t;

    while(t--){

        int n;

        cin>>n;

        cout<<1+(n-1)/2<<"\n";

    }

}
```

[B. Gifts Fixing](#)

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

using namespace std;

long long i,n,s,t,x,y,a[60],b[60];

main()

{

    for(cin>>t;t--;)

    {

        cin>>n;

        for(i=0,x=y=1000000000;i++<n;)

        {
```

```
        cin>>a[i];  
        x=min(x,a[i]);  
    }  
    for(i=0;i++<n;)   
    {  
        cin>>b[i];  
        y=min(y,b[i]);  
    }  
    for(i=s=0;i++<n;)s+=max(a[i]-x,b[i]-y);  
    cout<<s<<endl;  
}  
}
```