

## CP With Shibam

### Day-9

#### A. Do Not Be Distracted!

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

using namespace std;

int main ()
{
    int t;

    cin>>t;

    while(t-->0)
    {
        set <int> v;
        int n,sum=0;
        string a;
        cin>>n>>a;
        for(int i=0;i<a.size();i++)
        {
            v.insert(a[i]);

            if(a[i]!=a[i+1]) sum++;
        }

        if(v.size()==sum) cout<<"YES"<<endl;

        else cout<<"NO"<<endl;
    }
}
```

## B. Two Arrays And Swaps

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

using namespace std;

int i,k,n,s,t,a[36],b[36];

main()
{
    for(cin>>t;t--;)
    {
        cin>>n>>k;
        for(i=0;i++<n;)cin>>a[i];
        for(i=0;i++<n;)cin>>b[i];
        sort(a,a+n+1);
        sort(b,b+n+1);
        for(i=0;i++<k;)
        {
            if(a[i]<b[n-i+1])a[i]=b[n-i+1];
        }
        for(i=s=0;i++<n;)s+=a[i];
        cout<<s<<endl;
    }
}
```