

### Problem Link :

<https://www.codechef.com/JUNE222D/problems/REVSORT>

### Code : C++

```
#include <bits/stdc++.h>
#define ll long long
using namespace std;

bool solve(){
    ll n,x;
    cin>>n>>x;

    ll a[n];

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

    for(int i=0;i<n-1;i++){
        if(a[i]>a[i+1]){
            if((a[i]+a[i+1])>x)
                return 0;
            else
                swap(a[i],a[i+1]);
        }
    }
    return 1;
}

int main() {
    // your code goes here

    ll t;
    cin>>t;

    while(t--){
        if(solve())
            cout<<"YES"<<endl;
        else
            cout<<"NO"<<endl;
    }

    return 0;
}
```