**Algorithm**

**3. Greedy Algorithm**

1. **Likeable Arrays**

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

**#define ll long long**

**#include <iostream>**

**using namespace std;**

**int main() {**

**int testcase;**

**cin >> testcase;**

**while(testcase --) {**

**int n;**

**cin >> n;**

**map<ll,ll> mp;**

**ll x;**

**for(int i=0;i<n;i++){**

**cin >> x;**

**mp[x]++;**

**}**

**int count = 0;**

**for(auto it=mp.begin(); it!=mp.end(); it++){**

**if(it->second > it->first){**

**count += it->second - it->first;**

**}else{**

**count += min(it->second , it->first - it->second);**

**}**

**}**

**cout << count << endl;**

**}**

**}**