 <b>Marwadi</b> University	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 6</b>	<b>Name : Pushti Depani</b>	
<b>Day : 100</b>	<b>Date : 25/01/2023</b>	<b>Enrollment No: 92000133018</b>

## CP Club 365 Days Challenge

Programming language – Any language

### Problem Statement

<https://www.codechef.com/problems/REMOVEBAD>

<https://www.codechef.com/viewsolution/86763685>

<https://github.com/Pushti18/CP-Club>

#### **Your Code:**


```
#include <iostream>
#include <bits/stdc++.h>
using namespace std;

int main() {
    int t;
    cin>>t;
    while(t--){

        int n;
        cin>>n;
        int arr[n];

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

            cin>>arr[i];
        }
        sort(arr,arr+n);
```

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```


int a=1;
int b=0;
for(int i=0;i<n;i++){

    if(arr[i]==arr[i-1]){
        a++;
    }
    else{
        a=1;
    }

    if(a>b){
        b=a;
    }
}
cout<<n-b<<endl;
}
return 0;
}

```

**Output (Screen Shot):**

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Sub-Task	Task #	Result (time)
1	0	AC (0.003652)
1	1	AC (0.011084)
1	2	AC (0.019998)
1	3	AC (0.045971)
1	4	AC (0.073017)
1	5	AC (0.070987)
<b>Subtask Score:</b> 100.00%		<b>Result - AC</b>

### Understanding about problem:

In this program we need to make all the elements same so we will first select the element which has max frequency and delete all the other elements. Where  $n - b$  will be size of array and  $b$  will be the max frequency. And also we will check the case where there will be more then one max frequency. So we will first sort the array and then find frequency by comparing with the next element. And if they are equal then we will jump to next element.

**Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.**

**ALL THE BEST**

Team CP Club