**Day 71 coding Statement : There are *N* students in a class, where the *i*-th student has a score of *Ai*?.**

The *i*-th student will *boast* if and only if the number of students scoring less than or equal *Ai*? is greater than the number of students scoring greater than *Ai*?.

Find the number of students who will boast.

**Input Format**

* The first line contains *T* - the number of test cases. Then the test cases follow.
* The first line of each test case contains a single integer *N* - the number of students.
* The second line of each test case contains *N* integers 1,2,…,*A*1?,*A*2?,…,*AN*? - the scores of the students.

**Output Format**

For each test case, output in a single line the number of students who will boast.

**Constraints**

* 1≤10001≤*T*≤1000
* 1≤1001≤*N*≤100
* 0≤1000≤*Ai*?≤100

**Sample Input**

3

3

100 100 100

3

2 1 3

4

30 1 30 30

**Sample Output**

3

2

3

import java.util.Arrays;

import java.util.Scanner;

public class RatanPrajapati\_day71 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int T = sc.nextInt();

        while (T-- > 0) {

            int N = sc.nextInt();

            int arr[] = new int[N];

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

                arr[i] = sc.nextInt();

            }

            solve(arr, N);

        }

    }

    public static void solve(int[] arr, int N) {

        Arrays.sort(arr);

        int cnt = N / 2;

        while (cnt > 0 && arr[cnt - 1] == arr[cnt]) {

            cnt--;

        }

        System.out.println(N - cnt);

    }

}