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

```java
import java.util.*;
import java.lang.*;
import java.io.*;

class Main {
	public static void main(String[] args) throws java.lang.Exception {
		Scanner s = new Scanner(System.in);
		int t = s.nextInt();
		while (t-- > 0) {
			int n = s.nextInt();
			int a[] = new int[n];
			for (int i = 0; i < n; i++) {
				a[i] = s.nextInt();
			}
			Arrays.sort(a);
			int cnt = n / 2;
			while (cnt > 0 && a[cnt - 1] == a[cnt]) {
				cnt--;
			}
			System.out.println(n - cnt);
		}
	}
}
```