Distinct Integers

? Ask Doubt

Time-Limit: 2 sec Score: 0/100 Difficulty :

Memory: 256 MB Accepted Submissions: 100 Relevant For: AZ-201 AZ-202 AZ-301

Description

Given an array *A* of *N* integers and an integer *K*, a subarray of *A* is good if the number of distinct integers present in the subarray is exactly *K*. Find the number of good subarrays.

Input Format

The first line of the input contains a single integer *T* denoting the number of test cases, *(1<=T<=100000)*.

The first line of each test case contains two space-separated integers *N, K (1<=N<=100000), (1<=K<=10^6)*.

The second line contains *N* space-separated integers $A_1,A_2,\ldots,A_N$, *(0<=A_i<=10^6)*.

Sum of *N* overall test case *<=10^6*.

Output Format

For each test case output in a new line the number of good subarrays.

Sample Input 1

Copy

```
5
5 2
1 2 3 4 5
6 3
1 2 3 2 4 2
10 4
1 2 2 3 2 4 1 3 1 2
10 5
1 2 3 4 1 2 3 4 1 2
10 5
1 2 3 4 1 5 2 5 2 6
```

Sample Output 1

Copy

```
4
6
21
0
12
```

C++14[GCC]

Submit

```
1
```