

[Description](#)[My Submissions](#)[Hints/Editorial](#)[AC Submissions](#)[My Notes \(0\)](#)

Number of Subarray with at most K distinct

?

Ask Doubt

Time-Limit: 1 sec

Score: 0/100

Difficulty:

Memory: 256 MB

Accepted Submissions: 100

Relevant For:

AZ-201

AZ-202

AZ-301

Description

Given an array of N integers, find the number of subarrays with at most K distinct elements.

Input Format

The first line contains T , the number of test cases ($1 \leq T \leq 10$).

The first line contains two space-separated integers N, K where $1 \leq N \leq 10^5, 0 \leq K \leq 10^5$.

Next line contains N space-separated integers ($0 \leq A_i \leq 1e6$).

Output Format

For each test case print the number of subarrays with at most K distinct elements in a newline.

Sample Input 1

Copy

```
5
3 2
1 2 3
3 2
3 2 2
5 0
2 1 0 4 0
7 3
1 2 1 0 1 0 2
10 5
1 0 7 1 10 2 4 10 1 3
```

Sample Output 1

Copy

```
5
6
0
28
46
```

C++14[GCC] ▾

1

Submit