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Shortest Subarray



? 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 length of the smallest sub-array that contains all the distinct elements of the array.

Input Format

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

The first line contains an integer N , $1 \leq N \leq 10^5$.

Next line contains N space-separated integers ($0 \leq A_i \leq 1e5$).

Output Format

For each test case print length of the smallest sub-array that contains all the distinct elements of array in a newline.

Sample Input 1

Copy

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

Sample Output 1

Copy

```
3
5
6
4
```

C++14[GCC] ▾



Submit

1

