Number of Segments

You will be given an array A of N elements and T test cases. Each test case contains an integer X, Your task is to print total number of segments [L,R] such that 0 <= L <= R <= N-1 and X = max{A[L], A[L+1], ... , A[R]}

Input Format

First line contains an integer, N - size of array.

Second line contains N integers, ith integer corresponding to A[i].

Third line contains an integer, T - number of testcases.

Fourth line contains T integers, ith integer corresponding to ith testcase.

Constraints

1 <= N <= 10^5

0 <= A[i] <= 10^9

1 <= T <= 10^5

0 <= X <= 10^9

Output Format

For every testcase, print required answer on new line.

Sample Input 0

```
3
1 2 3
3
1 2 3
```

Sample Output 0

```
1
2
3
```

Explanation 0

Note:[i,j] represents subarray a[i]...a[j].

1 is maximum in [0,0].

2 is maximum in [0,1],[1,1].

3 is maximum in [0,2],[1,2],[2,2].

Submissions: 70
Max Score: 100
Difficulty: Medium

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```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {

    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

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