Another Contest 3 Problem 1 - Diverse Arrays

Time limit: 0.3s **Memory limit:** 256M

Call an array of integers *diverse* if it has length at least 1 and it has at least K distinct integers.

Given an array of N integers and a parameter K, compute the number of subarrays that are diverse.

Constraints

$1 \leq K \leq N \leq 10^6$

$1 \leq a_i \leq N$

Input Specification

The first line contains two positive integers, N and K.

Each of the next N lines contains a positive integer, a_i. These integers in order comprise the array.

Output Specification

Output the number of subarrays that are diverse.

Sample Input

```
4 2
1
2
2
2
```

Sample Output

```
3
```