



HOME CONTESTS GYM PROBLEMSET **GROUPS RATING** VK CUP 🕎 **SECTIONS**

SUBMIT CODE MY SUBMISSIONS STATUS HACKS ROOM STANDINGS CUSTOM INVOCATION **PROBLEMS**

D. Pashmak and Parmida's problem

time limit per test: 3 seconds memory limit per test: 256 megabytes input: standard input output: standard output

Parmida is a clever girl and she wants to participate in Olympiads this year. Of course she wants her partner to be clever too (although he's not)! Parmida has prepared the following test problem for Pashmak.

There is a sequence a that consists of n integers $a_1, a_2, ..., a_n$. Let's denote f(l, r, x) the number of indices k such that: $l \le k \le r$ and $a_k = x$. His task is to calculate the number of pairs of indicies $i, j \ (1 \le i \le j \le n)$ such that $f(1, i, a_i) > f(j, n, a_i)$.

Help Pashmak with the test.

The first line of the input contains an integer n ($1 \le n \le 10^6$). The second line contains nspace-separated integers $a_1, a_2, ..., a_n$ ($1 \le a_i \le 10^9$).

Print a single integer — the answer to the problem.

Examples input

| 1 2 1 1 2 2 1 output 8 input 3 1 1 1 output 1 input 5 1 2 3 4 5 output | 7 1 2 1 1 2 2 1 output 8 input 3 1 1 1 output 1 input 5 1 2 3 4 5 output 0 | • |
|--|---|---------------|
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| input 5 1 2 3 4 5 output | input 5 1 2 3 4 5 output | 1 1 1 |
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| 5 1 2 3 4 5 output | 5 1 2 3 4 5 output | 1 |
| 5 1 2 3 4 5 output | 5 1 2 3 4 5 output | |
| 1 2 3 4 5 output | 1 2 3 4 5 output | input |
| output | output | 5 |
| | | 1 2 3 4 5 |
| 0 | 0 | output |
| | | 0 |

Codeforces Round #261 (Div. 2)

Finished

Practice



→ Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a

Start virtual contest

→ Practice

You are registered for practice. You can solve problems unofficially. Results can be found in the contest status and in the bottom of standings.

→ Submit?

Language: GNU G++ 5.1.0

Choose

Choose File No file chosen

Be careful: there is 50 points penalty for submission which fails the pretests or resubmission (except failure on the first test, denial of judgement or similar verdicts). "Passed pretests" submission verdict doesn't guarantee that the solution is absolutely correct and it will pass system tests.

Submit

ightarrow Last submissions

| Submission | Time | Verdict |
|-----------------|----------------------|-------------------------------|
| 20037375 | Aug/22/2016 05:12 | Accepted |
| 20036290 | Aug/22/2016 02:57 | Wrong answer on test 10 |
| <u>16285333</u> | Feb/23/2016 04:03 | Time limit exceeded on test 6 |

→ Problem tags

| data structures divide and conquer | | | | |
|---|--------------------|--|--|--|
| sortings | No tag edit access | | | |
| → Contest materials | | | | |
| AnnouncementTutorial | × | | | |

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