

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

G. John and Swaps

time limit per test: 2 seconds🕒
memory limit per test: 64 megabytes

John has a sequence of integers. Brus is going to choose two different positions in John's sequence and swap the elements at those positions (The two swapped elements may have the same value).

Find the number of different sequences Brus can obtain after he makes the swap.

Input

The first line of the input contains a single integer T ($1 \leq T \leq 100$) — the number of values of M to be processed.

Each test case starts with a single integer N ($1 \leq N \leq 100$) — the size of the sequence.

The next line contains N space-separate integers $a_1, a_2, ..., a_N$ ($1 \leq a_i \leq 10^3$) — describing the values of the sequence.

Output

For each test case, print the number of different sequences Brus can obtain after he makes the swap.


Examples

input	Copy
4 3 4 7 4 2 1 47 4 9 9 9 9 26 22 16 36 35 14 9 33 6 28 12 18 14 47 46 29 22 14 17 4 15 28 6 39 24 47 37	
output	Copy
3 1 1 319	

ICPC Assiut University Training - Juniors Phase 1 Sheets-2022

Public

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→ **Group Contests** ▾

- Juniors Phase 1 Practice #5 (Bitmask, Bitset, Bits)
- Juniors Phase 1 Practice #4 (Binary search , Two pointers)
- Juniors Phase 1 Practice #3 (STL 2)
- Juniors Phase 1 Practice #2 (STL 1)
- Juniors Phase 1 Practice #1 (Prefix sum , Frequency Array)

Juniors Phase 1 Practice #3 (STL 2).

Finished

Practice



→ **About Time Scaling** ▾

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the [link](#).

→ **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 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 virtual contest.

Start virtual contest

→ **Submit?**

Language: GNU G++20 13.2 (64 bit, win ▾)

Choose file: Choose File No file chosen

Submit

→ **Last submissions**

Submission	Time	Verdict
311936072	Mar/23/2025 01:48	Accepted