CODEFORCES
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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	