

Buy gifts

Vietnamese Women's Day is coming, Phuc wants to buy two gifts of the same price for his mother and sister. There are n items in the store. How many ways are there for Phuc to choose gifts?

Input

+ The first line is the number of testcases T ($1 \leq T \leq 10^2$)

+ Each test case consists of one line, the first number is the number of gifts n ($0 \leq n \leq 10^5$), and followed by n numbers a_i - the price of each gift.

Output

For each test case, print a line that is the number of ways to choose gifts

Example

Input:

2

5 3 4 3 4 3

3 1 1 1

Output:

4

3