Problem D: Desire

The desire to be loved, appreciated, understood, and to simply belong is one of the most powerful human emotions. However, some relationships just do not work. Rumor has it that a person makes over 1,000 attempts to find a connection and still not achieve a happy ending.

In order to solve this humanity's problem, you have decided to create an algorithm that can predict if two people are compatible. If it works, someone might even pay 385 million baht for your service!

Your algorithm is based on a simple idea: **compatible souls share common interests**. Your algorithm will ask each person to provide a list of their top three favorite books. Two people are considered compatible if their lists have at least one book in common. Simple as it sounds!

Given a list of ***N*** people and their top three favorite books, your task is to count the total number of compatible pairs.

Input:

The first line of input is an integer ***T***, representing the number of test cases.

Each test case is described as follows:

- The first line contains an integer ***N*****,** the number of people.
- The next ***N*** lines contain three integers, representing the IDs of a person's favourite books.

Output:

For each test case, print a single line with the total number of compatible pairs.

Sample Input	Sample Output
2 4 1 2 4 1 2 5 3 5 7 11 12 13	2 3

3 1 2 3 3 1 2 2 4 6	

Explanation:

- Test Case #1: There are exactly two compatible pairs in this case
  - Person 1 and Person 2 are compatible because they share books 1 and 2.
  - Person 2 and Person 3 are compatible because they share book 5.
- Test Case #2:
  - All pairs are compatible.

Constraints:

- 1 <= ***T*** <= 10
- 1 <= ***N*** <= 100,000
- 1 <= Book ID <= 1,000,000,000