III BXComp

3rd Freshmen's Programming Championship of Information Systems 2013

7th Stage– Challenge 2

Attendance list

Professor Mosby has shown some movies in his classes. During the movies exhibition, he passed around the attendance list to register which students were present. Each student should write down his/her registration number on the list. However, some students have friends that usually skip Professor Mosby's video classes and then they've decided to write their friends' registration numbers as well. Nonetheless, the students that commonly skip this kind of class have many friends attending to these classes and some of them have written their friend's numbers repeatedly. Besides, some of the students that were expected not to be in those classes were actually there!

Professor Mosby noticed the abnormality, but, since he is a very kind teacher, he decided not to punish his students, yet the principal asked him how many students have attended to video classes. The professor has many students and he doesn't know how to calculate that. Now, he needs your help to program a solution that calculates the total of students that received presence in his video classes.

Restrictions

The registration number W is such that: W >=0 and W <=10^4

Input

The first line contains a positive integer N that represents the amount of lists that professor Mosby will send you. In each list, the first integer (M) represents the number of signatures that are on that attendance list (considering repetitions). The next M integers are the registration numbers that were written on that list.

Output

For each list, your program must write a single line, containing an integer number: the number of students that were considered to have attended the respective class.

Input Example

```
2

3
2 3 1

7
0 5 12 41 7 5 41
```

Output Example

```
3
5
```