IEEEXtreme Türkiye Kampı: Gün 1
POPULER

Problem

Senior computer engineering students of a certain university, choose 5 technical electives. Students have diverse interests.

The management of the university are not comfortable with this situation. When people have diverse interest, university needs more instructors, in turn, university pays more.

So, they start a “Conformity Price”. This is a price given to the students that chooses most popular course combinations.

What you are asked is finding the number of students who gets the conformity price when the course selections of the students are given.

Input

Input will contain several cases.

The first line of each case denotes the number of students.(N)

In the next N line 5 integers are given with space in between. They denote the codes of the courses that the particular student has chosen. Course codes are integers between [100, 499].

The end of the input is signalled by N=0.

1 <= N <= 10000

Output

For each case, print the number of students who gets the conformity price.

If there exists more than one course combination with same popularity, output the sum of the students who take any one of them.

Sample Input

```
5
100 200 300 400 123
125 300 100 200 500
200 100 300 123 400
100 200 300 400 321
321 400 300 156 100
3
100 200 300 400 499
101 201 301 401 499
102 202 302 401 499
0
```

Sample Output

```
2
3
```

Time Limit

C/C++/Java: 1 saniye, Python: 2 saniye

NOTE: The price is given for the popularity of course combinations. They are NOT given for the popularity of individual courses. For example in the first case “100 200 300 400 123” combination appears twice, hence the answer is 2.