Conformity

(adapted from a problem given at the Waterloo Programming Contest in 2007)

Students have diverse interests, as evidenced by their desire to take various combinations of courses from among those available. However, some University administrators are uncomfortable with this situation, and therefore wish to offer a *conformity prize* to those students who choose one of the most popular combinations of courses. You are supposed to help figure out how many students will win the prize.

Input

The input begins with the number of students n, which is an integer between 1 and 10000. For each student, a line follows containing the course numbers of five distinct courses selected by the student. Each course number is an integer between 100 and 499.

Output

The *popularity* of a combination is the number of students selecting exactly the same combination of courses. A combination of courses is considered *most popular* if no other combination has higher popularity. Output a single line giving the total number of students taking some combination of courses that is most popular.

Examples

Sample input 1

```
3
100 101 102 103 488
100 200 300 101 102
103 102 101 488 100
```

Sample output 1

```
2
```

Sample input 2

```
3
200 202 204 206 208
123 234 345 456 321
100 200 300 400 444
```

Sample output 2

```
3
```

Limits

Time limit is 1 second.

Memory limit is 1024 megabytes.