

## Problem D: Course Scheduling

It is a difficult job to schedule all of the courses in a university to satisfy students' choices with a minimum of conflicts. The task is made all the more difficult when some students don't pre-enroll, or pre-enroll multiple times because they forget that they already did it.

### Input Specification

The first line of input contains an integer  $0 < n \leq 100000$ , the number of student course requests. Each of the next  $n$  lines contains three strings separated by spaces: a student's first and last name, and the course that the student wishes to take. You may assume that each name is a string of at least one and at most 20 upper-case letters, and that a course is a string of at least one and at most 10 upper-case letters and digits. If a student requests a given course more than once, only the first such request should be considered. You may assume that no two students have both their first and last names the same.

### Sample Input

```
1
PINK TIE CS241
```

### Output Specification

For each requested course, output a line containing the course, a space, and the number of students who requested the course. Output the courses sorted in lexicographical order (with digits sorted before letters).

### Output for Sample Input

```
CS241 1
```

---

*Ondřej Lhoták*



This work is licensed under a [Creative Commons Attribution-ShareAlike 3.0 Unported License](https://creativecommons.org/licenses/by-sa/3.0/).