Same birthday

Given a list of N students. List dates of birth and the number of students on that date. Birthdays are listed in ascending order.

Input

The first line shows the number of students N (N<=10^5).

The ith line in the following N lines is the date of birth of the ith student. Birthdate consists of 3 integers respectively date of birth. All birthdays are valid.

Output

List each date of birth and the number of students on the same date on one line. Birth date as DD/MM/YYYY.

Example

Input:
```
5
10 3 1993
15 2 1995
15 2 1995
10 2 1994
10 3 1993
```

Output:
```
10/03/1993 2
10/02/1994 1
15/02/1995 2
```