

# The list of students

Given a list of  $n$  students, each student has the following information:

- Student's ID: integer, consisting of 10 digits
- Name: includes letters
- Age: integer
- Major code: integer

Please list the names in the order of increasing student's ids

## Input

The first line is an integer  $n$  ( $n \leq 10^6$ ).

Each of the next  $N$  lines contains information about the student.

## Output

Consists of  $n$  lines, one for each student.

## Example

### Input:

```
4
1831200311 Phuong 20 1541
1831210312 Vu 22 3666
1831210311 An 20 3666
1831200312 Tien 20 1541
```

### Output:

```
1831200311 Phuong 20 1541
1831200312 Tien 20 1541
1831210311 An 20 3666
1831210312 Vu 22 3666
```