

Student Sorting

Howard is a teacher. He has many students. One day, Howard combined all his student lists into a document randomly. Howard wants to make the documents ordered by student identification number. He asks for your help.

Format Input

Read from file “testdata.in”. First line, consists of one integer N , number of students. Next N lines consists of two field per line which are student identification number R and students’ name M . The fields are separated by space.

Format Output

Output should be expressed in format “R M” - sorted by R in ascending order.

Constraints

- $1 \leq N \leq 1000$
- $|R| = 10$ ($|R|$ means length of string R)
- $1 \leq |M| \leq 20$
- R only consists of digits 0-9.
- M only consists of letters a-z and A-Z.

Sample Input (testdata.in)

```
10
2020123464 Oliver
2020123461 Benjamin
2020123458 William
2020123460 Logan
2020123457 Noah
2020123462 Mason
2020123456 Liam
2020123459 James
2020123463 Elijah
2020123465 Jacob
```

Sample Output (standard output)

```
2020123456 Liam
2020123457 Noah
2020123458 William
2020123459 James
2020123460 Logan
2020123461 Benjamin
2020123462 Mason
2020123463 Elijah
2020123464 Oliver
2020123465 Jacob
```

Student Sorting

Howard adalah seorang guru. Dia memiliki banyak siswa. Suatu hari, Howard menggabungkan semua daftar siswanya ke dalam sebuah dokumen secara acak. Howard ingin membuat dokumennya terurut berdasarkan nomor identitas siswa. Dia meminta bantuan anda.

Format Input

Baca dari file “testdata.in”. Baris pertama, terdiri dari satu bilangan bulat N , yaitu jumlah siswa. N baris berikutnya terdiri dari dua informasi per baris yang merupakan nomor identitas siswa R dan nama siswa M . Informasi tersebut dipisahkan oleh spasi.

Format Output

Output harus dinyatakan dalam format “R M” - diurutkan berdasarkan R dalam urutan menaik.

Constraints

- $1 \leq N \leq 1000$
- $|R| = 10$ ($|R|$ berarti panjang dari string R)
- $1 \leq |M| \leq 20$
- R hanya mengandung digit 0-9.
- M hanya mengandung huruf a-z dan A-Z.

Sample Input (testdata.in)

```
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