

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 < N < 1000
- |R| = 10 (|R| means length of string R)
- $1 \le |M| \le 20$
- 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

[©] School of Computer Science - BINUS, 2021. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probibited. Violators of this clause may be academically sanctioned.



Sample Output (standard output)

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



[©] School of Computer Science - BINUS, 2021. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. Violators of this clause may be academically sanctioned.



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

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

[©] School of Computer Science - BINUS, 2021. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probibited. Violators of this clause may be academically sanctioned.



Sample Output (standard output)

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



[©] School of Computer Science - BINUS, 2021. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. Violators of this clause may be academically sanctioned.