# Problem A Roll Call

At the start of class, I like to call roll. I like to go through my list of students in alphabetical order. Where possible, I like to call students by their first names. Of course, if two students have the same first name, I have to also give the last name so they know who I'm calling. Write a program to help me out. Given a class roll, it is going to tell how I should call the names.

Problem ID: rollcall
CPU Time limit: 1 second
Memory limit: 1024 MB

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Learning course

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### Input

Input consists of up to 200 names, one per line, terminated by the end of file. Each line contains a first and a last name for a particular person. First and last names use 1 to 20 letters (a-z), always starting with an uppercase letters first followed by only lowercase letters. No two people will have exactly the same first and last names.

## Output

Print the list of names, one per line, sorted by last name. If two or more people have the same last name, order these people by first name. Where the first name is unambiguous, just list the first name. If two people have the same first name, also list their last names to resolve the ambiguity.

### Sample Input 1

## Sample Output 1

Will Smith	Peter Gunn	
Agent Smith	Micky	
Peter Pan	Minnie	
Micky Mouse	Peter Pan	
Minnie Mouse	Agent	
Peter Gunn	Will	