

**2001/2002 ACM SOUTHERN CALIFORNIA REGIONAL
SCHOLASTIC PROGRAMMING CONTEST**

**Problem 0
Airline Screening**

To improve airline security, Swamp County Puddle Jumper Airlines has decided that all luggage loaded onto an airplane must be matched with a passenger on board. You will be given a list of all passengers who have boarded a flight and a list of the owners of every item of luggage being loaded. For each item of luggage, you need to say whether the owner is on the flight or not.

Input will consist of the two lists, separated by a single empty line. The first list will be the list of passengers who have boarded the plane, and the second list will be the list of the owner of each item of luggage. Each name in either list will appear on a line by itself, family name first, with no leading spaces, followed by a comma, a single space, and then the given names, separated by single spaces, with no trailing spaces. All letters will be lower case. Due to the size of the airplanes in use, no more than 100 passengers will ever be boarded.

Output consists of a single line for each item of luggage, containing the text 'OK' if the owner was among the passengers who boarded the plane or 'WARNING: passenger not on board' if the owner is not on board.

Sample Input

```
smith, robert samuel  
ffellows, mary louise  
harwell, herman allan edgar
```

```
ffellows, mary louise  
jones, sally  
ffellows, mary louise  
smith, robert samuel
```

Sample Output

```
OK  
WARNING: passenger not on board  
OK  
OK
```