

9. Megan

Program Name: Megan.java

Input File: megan.dat

Megan has just received multiple messages from alien lifeforms from many different planets! The problem she realizes is that even though these planets use a 26-letter alphabet, each of the planets use a different ordering of letters.

So, contrary to the English alphabet of: abcdefghijklmnopqrstuvwxyz, an example ordering used by one of the planets is: qpottivcaefndxujwzlgrysbhkm. The aliens have sent Megan each of their own respective alphabet orderings. They have also sent lists of words that they need help in determining if the lists are in alphabetical order according to each of their own alphabets. Can you help Megan write a program that will determine this for her?

Input: Input begins with an integer N ($1 \leq N \leq 50$), the number of different test cases. The following line contains the alphabetic ordering for that given test case given in lower case letters only. The next line has a list of words separated by commas. All words will consist of lower-case letters only. The number of words will be greater than 0 and less than 100. A blank line will be present to separate test cases.

Output: For each test case, you are to output “Word List # is sorted.” if the list is correctly sorted with respect to the given alphabet, or “Word List # is not sorted.” otherwise.

Sample Input:

```
8
qpottivcaefndxujwzlgrysbhkm
apple,banana,carrot

qpottivcaefndxujwzlgrysbhkm
carrot,apple,donut,banana

qpottivcaefndxujwzlgrysbhkm
pot,potato,potatoes

qpottivcaefndxujwzlgrysbhkm
pot,potatoes,potato

ndaxyvojzmcrufrpbwklhgeistq
nick,sarah,ashley,xray,yellow,violin,open,jelly,zebra,mouse,cat

ndaxyvojzmcrufrpbwklhgeistq
name,no,need

ndaxyvojzmcrufrpbwklhgeistq
name,names,need,nail

abcdefghijklmnopqrstuvwxyz
apple,apples,banana,bananas,lemon,fruit
```

Sample Output:

```
Word List 1 is not sorted.  
Word List 2 is sorted.  
Word List 3 is sorted.  
Word List 4 is not sorted.  
Word List 5 is not sorted.  
Word List 6 is sorted.  
Word List 7 is not sorted.  
Word List 8 is not sorted.
```