Dictionary

The librarian found multiple dictionaries and books in different languages in back storage in library. The librarian wants to classify the book in terms of languages. With given language name and its words in dictionary, classify the books.

Input:
- Integer Number for the number of different languages
- N lines of language name and its words with separated with spaces, for example, English Hi hello → where language name is English and it has two words which is Hi and hello. Words could contain upper or lowercase ASCII letters, apostrophes, or hyphens.
- One empty line
- The sentences from each book that may contain additional punctuation (commas, exclamation, points, periods, semicolons, question marks, and parentheses) and space, all of which serve as delimiters separating words. Words should be matched in a case-insensitive manner.

Output:
- Give identified language in each line

Sample:

No.	Sample Input	Sample Output
1	2 English Hi hello French à bienvenue maison livre Hi! Nice to meet you! Ceci est un livre à traduire.	English French
2	2 aaa a aa aaaa aa-aaa espanol uno dos tres it aa world. hay dos libro! Does the a is language?	aaa espanol aaa