

Translation 1



When traveling, you don't want to be one of those tourists who just speaks English no matter where you go. But even knowing a few words in a different language can go a long way. You will be given a list of English words and their translations into the language specified; use that information to retrieve the translation for a single word.

Input Format

Each test case begins with a single integer N , which is the number of word-translation pairs, followed by a single string with the name of the language that the words are translated into. After that there are N lines, each containing two words separated by a space; the first is the original word, and the second is the translated word. The final line contains the word to translate in the output.

Constraints

$1 < N \leq 10$

Output Format

Print the word and its translation.

Sample Input 0

```
3
Spanish
river rio
lettuce lechuga
sky cielo
lettuce
```

Sample Output 0

The word lettuce translated into Spanish is lechuga.

Sample Input 1

```
5
Italian
now adesso
star stella
seventh settimo
which quale
same stesso
seventh
```

Sample Output 1

The word seventh translated into Italian is settimo.