

GFSSOC '14 Winter S2 - Speech

Time limit: 2.0s **Memory limit:** 16M

Now that Griffy has a list of who he wants to make friends with, he needs to prepare a speech to win over their friendship! Unfortunately, Griffy is not the best public speaker, so you've agreed to help correct and improve his speech! You have a list of "friendship" words that you would like to replace some "not-so-friendship" words in Griffy's speech with. Given N distinct "friendship" words and the distinct words they will replace, please find out the new and improved speech.

Input Specification

First line: one integer N ($0 \leq N \leq 10$).

Lines 2 to $N + 1$: two words space separated: a "friendship" word and a "not-so-friendship" word.

Next line: one string, the speech, up to 100 words long separated by spaces. The string will be terminated with a period.

Note: All words will be at most 20 characters long, composed of lowercase alphabetical characters.

Output Specification

One string, the speech with all "not-so-friendship" words replaced with their "friendship" word counterpart.

Sample Input

```
2
hello uh
exactly uhm
uh what uh are uhm you doing uhh.
```

Sample Output

```
hello what hello are exactly you doing uhh.
```