Aradakht is preparing an online translator for his university thesis. The online translator Aradakht is working on has a dictionary, and in the end, this translator should translate a sentence.

The first line of input contains a number, n, representing the total number of words in the dictionary. Each of the following n lines contains two words, indicating that the second word means the first word. The next line contains a sentence. A sentence consists of multiple words separated by spaces. Now, you should help Aradakht write a translator that reads the dictionary and the corresponding sentence from the input and translates the sentence. During the translation process, if a word does not exist in the dictionary, you should print the word itself in the output. For more information, refer to the sample input and output.

Note: The online evaluation system uses Python 3.4, where dictionaries do not remember the order of data entry. If you encounter issues with sorting dictionaries, consider using `OrderedDict` from the `collections` library to address this problem.