Word Break - I

1. You are given n space separated strings, which represents a dictionary of words.
2. You are given another string which represents a sentence.
3. You have to print all possible sentences from the string, such that words of the sentence are present in dictionary.
Note -> Check out the question video and write the recursive code as it is intended without changing signature. The judge can't force you but intends you to teach a concept.

Input Format

A number n
n strings representing words
a string representing a sentence

Output Format

Check the sample ouput and question video.

Constraints

1 <= number of words <= 10
1 <= length of each word <= 15
1 <= length of sentence <= 1000

Sample Input

11
i like pep coding pepper eating mango man go in pepcoding
ilikepeppereatingmangoinpepcoding

Sample Output

i like pepper eating man go in pep coding
i like pepper eating man go in pepcoding
i like pepper eating mango in pep coding
i like pepper eating mango in pepcoding

```
def wordBreak(string, words):
    ans = []
    helper(string, words, ans, [])
    return ans
```

```
def helper(string, words, ans, ssf):
    if len(string) == 0:
        ans.append(ssf[:])
        return

    for i in range(len(string)):
        left = string[:i + 1]
        right = string[i + 1:]
        if left in words:
            helper(right, words, ans, ssf + [left])


string = 'ilikepeppereatingmangoinpepcoding'
words = ('i', 'like', 'pep', 'coding', 'pepper', 'eating', 'mango', 'man',
'go', 'in', 'pepcoding')
print(wordBreak(string, words))
```