Backtracking-S003 (E038)

Solved Challenges **0/1**

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Word Break

ID:11133 **Solved By 513 Users**

The program must accept two string values **S1** and **S2** as the input. The string S1 contains a list of words separated by a space. The string S2 contains the words from the string S1 without any space. The program must break the string S2 into the words as in S1 and print all the possible word breaks as shown in the Example Input/Output section.

Boundary Condition(s):
1 <= Length of S1, S2 <= 1000

Input Format:
The first line contains the string S1.
The second line contains the string S2.

Output Format:
The lines contain all the possible word breaks in S2 as shown in the Example Input/Output section.

Example Input/Output 1:
Input:
hot box hotbox
hotboxhotbox

Output:
hot box hot box
hot box hotbox
hotbox hot box
hotbox hotbox

Example Input/Output 2:
Input:
t h i s th hi is thi his this
this

Output:
t h i s
t h is
t hi s
t his
th i s

th is
thi s
this

Max Execution Time Limit: 1000 millisecs

Ambiance

Python3 (3.x)

Reset

```
1
2  def breakWord(string, wordsList, output, start):
3      if(start == len(string)):
4          print(output.strip())
5          return;
6      for index in range(start, len(string)):
7          if(string[start:index+1] in wordsList):
8              breakWord(string,wordsList, output+string[start:in
                   index+1)
9
10 wordsList = list(input().strip().split(" "))
11 string = input()
12 breakWord(string,wordsList,"",0)
13
```

Code did not pass the execution

TestCase ID: 64019

Input:

hot box hotbox
hotboxhotbox

Expected Output:

hot box hot box
hot box hotbox
hotbox hot box
hotbox hotbox

Your Program Output:

['hot', 'box', 'hotbox']
hot box hot box
hot box hotbox
hotbox hot box
hotbox hotbox

Save Run

Run with a custom test case (Input/Output)