

## Word Break Problem using Backtracking

Given a valid sentence without any spaces between the words and a dictionary of valid English words, find all possible ways to break the sentence in individual dictionary words.

Example. Consider the following dictionary

{i, like, sam, sung, samsung, mobile, ice, cream, icecream, man, go, mango}  
and the valid sentence "ilikesamsungmobile", the output will be:

i like sam sung mobile  
i like samsung mobile

For sentence "ilikeicecreamandmango", the output will be:

i like ice cream and man go  
i like ice cream and mango  
i like icecream and man go  
i like icecream and mango

The number of words in the dictionary is limited to 100. The maximum sentence length is 200.

Sample Input:

```
13
i
like
sam
sung
samsung
mobile
ice
cream
icecream
man
go
mango
and
2
ilikesamsungmobile
ilikeicecreamandmango
```

Output:

i like sam sung mobile  
i like samsung mobile

i like ice cream and man go  
i like ice cream and mango  
i like icecream and man go  
i like icecream and mango