

Team Members: Hana Mizuta (hm2694) and Michelle Mao (mm4957)

Project Details: Word Break II

Given a non-empty string `s` and a dictionary `wordDict` containing a list of non-empty words, add spaces in `s` to construct a sentence where each word is a valid dictionary word. Return all such possible sentences.

Note:

- The same word in the dictionary may be reused multiple times in the segmentation.
- You may assume the dictionary does not contain duplicate words.

Example:

Input:

`s = "catsanddog"`

`wordDict = ["cat", "cats", "and", "sand", "dog"]`

Output:

```
[  
  "cats and dog",  
  "cat sand dog"  
]
```

We will work with a dictionary of 10k words, and strings of up to 50 characters.

We got inspiration for this project from this LeetCode problem:

<https://leetcode.com/problems/word-break-ii/>