Given a string s and a dictionary of strings wordDict, return true if s can be segmented into a space-separated sequence of one or more dictionary words.

**Note** that the same word in the dictionary may be reused multiple times in the segmentation.

**Example 1:**

Input: s = "leetcode", wordDict = ["leet","code"]  
Output: true  
Explanation: Return true because "leetcode" can be segmented as "leet code".

**Example 2:**

Input: s = "applepenapple", wordDict = ["apple","pen"]  
Output: true  
Explanation: Return true because "applepenapple" can be segmented as "apple pen apple".  
Note that you are allowed to reuse a dictionary word.

**Example 3:**

Input: s = "catsandog", wordDict = ["cats","dog","sand","and","cat"]  
Output: false

**Constraints:**

* 1 <= s.length <= 300
* 1 <= wordDict.length <= 1000
* 1 <= wordDict[i].length <= 20
* s and wordDict[i] consist of only lowercase English letters.
* All the strings of wordDict are **unique**.