178.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.

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PROGRAM:
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def word_break(s, wordDict):
  word_set = set(wordDict)
  dp = [False] * (len(s) + 1)
  dp[0] = True
  for i in range(1, len(s) + 1):
    for j in range(i):
      if dp[j] and s[j:i] in word_set:
        dp[i] = True
        break
  return dp[len(s)]
# Test Cases
print(word_break("leetcode", ["leet", "code"])) # Output: True
print(word_break("applepenapple", ["apple", "pen"])) # Output: True
print(word_break("catsandog", ["cats", "dog", "sand", "and", "cat"])) # Output: False
OUTPUT:
 True
```

```
True
True
False
=== Code Execution Successful ===
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TIME COMPLEXITY:O(N^2)