

139. Word Break

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QuestionEditorial Solution

Total Accepted: **91540** Total Submissions: **353827** Difficulty: **Medium**

Given a string *s* and a dictionary of words *dict*, determine if *s* can be segmented into a space-separated sequence of one or more dictionary words.

For example, given

s = "leetcode",

dict = ["leet", "code"].

Return true because "leetcode" can be segmented as "leet code".

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```
class Solution {
public:
    bool wordBreak(string s, unordered_set<string>& wordDict) {
        if(s.size()==0 || wordDict.empty()) return false;
        vector<bool>word(s.size()+1,false);
        word[0]=true;
        unordered_set<string>::iterator it;
        for(int i=1;i<=s.size();i++)
        {
            for(it=wordDict.begin();it!=wordDict.end();it++)
            {
                string tmp = *it;
                int lens = tmp.size();
                if(i-lens>=0 && s.substr(i-lens,lens)==tmp && word[i-lens]==true)
                {
                    word[i]=true;
                }
            }
        }
        return word[s.size()];
    }
};
```