**Word Break II**

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#include <bits/stdc++.h>

void solveWordBreak(string str, vector<string>& result, unordered\_set<string>& dictSet, vector<string>& temp)

{

if (str.length() == 0) {

string sentence = "";

for (auto word : temp) {

sentence += word + " ";

}

sentence.pop\_back();

result.push\_back(sentence);

return;

}

for (int i = 0; i < str.length(); i++) {

if (dictSet.count(str.substr(0, i + 1))) {

temp.push\_back(str.substr(0, i + 1));

solveWordBreak(str.substr(i + 1), result, dictSet, temp);

temp.pop\_back();

}

}

}

vector<string> wordBreak(string& inputStr, vector<string>& dictionary)

{

vector<string> result, temp;

unordered\_set<string> dictSet(dictionary.begin(), dictionary.end());

solveWordBreak(inputStr, result, dictSet, temp);

return result;

}