

Word Search

Given a 2D board of letters and a word. Check if the word exists in the board. The word can be constructed from letters of adjacent cells only. ie - horizontal or vertical neighbors. The same letter cell can not be used more than once.

Example 1:

Input: board = {{a,g,b,c},{q,e,e,l},{g,b,k,s}},
word = "geeks"

Output: 1

Explanation: The board is-

a g b c

q e e l

g b k s

The letters which are used to make the
"geeks" are colored.

Example 2:

Input: board = {{a,b,c,e},{s,f,c,s},{a,d,e,e}},
word = "sabfs"

Output: 0

Explanation: The board is-

a b c e

s f c s

a d e e

Same letter can not be used twice hence ans is 0

Your Task:

You don't need to read or print anything. Your task is to complete the function **isWordExist()** which takes board and word as input parameter and returns boolean value true if word can be found otherwise returns false.

Expected Time Complexity: $O(N * M * 4^L)$ where N = No. of rows in board, M = No. of columns in board, L = Length of word

Expected Space Complexity: $O(L)$, L is length of word.

Constraints:

$1 \leq N, M \leq 100$

$1 \leq L \leq N * M$