Given a 2D board and a word, find if the word exists in the grid.

The word can be constructed from letters of sequentially adjacent cell, where "adjacent" cells are those horizontally or vertically neighboring. The same letter cell may not be used more than once.

For example,  
Given **board** =

[

["ABCE"],

["SFCS"],

["ADEE"]

]

**word** = "ABCCED", -> returns true,  
**word** = "SEE", -> returns true,  
**word** = "ABCB", -> returns false.

使用深度优先遍历。先找到一个元素与字符串的第一个元素相同，接着以这个元素开始，分别从他的上下左右开始深度优先遍历。

深度优先遍历时要把当前遍历的元素标记一下，因为题目要求同一个元素只能访问一次。

总的时间复杂度最坏是O(m^2\*n^2)，空间上就是要用一个数组来记录访问情况，所以是O(m\*n)