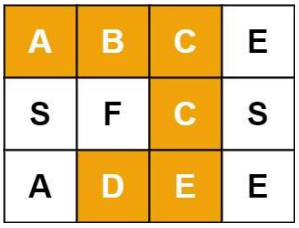
## 79. Word Search

Medium 7342 280 Add to List Share

Given an `m x n` grid of characters `board` and a string `word`, return `true` *if* `word` *exists in the grid.*

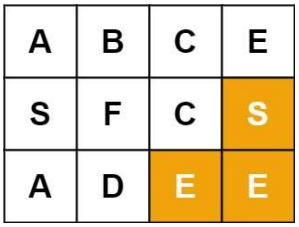
The word can be constructed from letters of sequentially adjacent cells, where adjacent cells are horizontally or vertically neighboring. The same letter cell may not be used more than once.

**Example 1:**



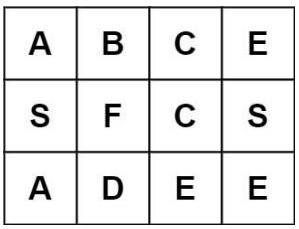

```
Input: board = [["A","B","C","E"],["S","F","C","S"],
["A","D","E","E"]], word = "ABCCED"
Output: true
```

**Example 2:**




```
Input: board = [["A","B","C","E"],["S","F","C","S"],
["A","D","E","E"]], word = "SEE"
Output: true
```

**Example 3:**




```
Input: board = [["A","B","C","E"],["S","F","C","S"],
["A","D","E","E"]], word = "ABCB"
Output: false
```

**Constraints:**

- `m == board.length`
- `n = board[i].length`
- `1 <= m, n <= 6`
- `1 <= word.length <= 15`
- `board` and `word` consists of only lowercase and uppercase English letters.

**Follow up:** Could you use search pruning to make your solution faster with a larger `board`?

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```
class Solution {
    public boolean exist(char[][] board, String word) {

    }
}
```