

## 5883. Check if Word Can Be Placed In Crossword

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You are given an  $m \times n$  matrix `board`, representing the **current** state of a crossword puzzle. The crossword contains lowercase English letters (from solved words), ' ' to represent any **empty** cells, and '#' to represent any **blocked** cells.

A word can be placed **horizontally** (left to right **or** right to left) or **vertically** (top to bottom **or** bottom to top) in the board if:

- It does not occupy a cell containing the character '#'.
- The cell each letter is placed in must either be ' ' (empty) or **match** the letter already on the board.
- There must not be any empty cells ' ' or other lowercase letters **directly left or right** of the word if the word was placed **horizontally**.
- There must not be any empty cells ' ' or other lowercase letters **directly above or below** the word if the word was placed **vertically**.

Given a string `word`, return `true` if word can be placed in board, or false **otherwise**.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

## Example 1:

		a	
		b	
		c	

**Input:** `board = [["#", " ", "#"], [" ", " ", "#"], ["#", "c", " "]]`, `word = "abc"`

**Output:** `true`

**Explanation:** The word "abc" can be placed as shown above (top to bottom).

## Example 2:

			a
			c
			a

**Input:** `board = [[" ", "#", "a"], [" ", "#", "c"], [" ", "#", "a"]]`, `word = "ac"`

**Output:** `false`

**Explanation:** It is impossible to place the word because there will always be a space/letter above or below it.

## Example 3:

	a	c	

**Input:** board = [{"#", " ", "#"}, [{" " , " ", "#"}, [{"#", " ", "c"}]], word = "ca"

**Output:** true

**Explanation:** The word "ca" can be placed as shown above (right to left).

#### Constraints:

- `m == board.length`
- `n == board[i].length`
- $1 \leq m * n \leq 2 * 10^5$
- `board[i][j]` will be ' ', '#', or a lowercase English letter.
- $1 \leq \text{word.length} \leq \max(m, n)$
- `word` will contain only lowercase English letters.

JavaScript



```
1 /**
2  * @param {character[][]} board
3  * @param {string} word
4  * @return {boolean}
5  */
6 var placeWordInCrossword = function(board, word) {
7
8 };
```

☐ Custom Testcase

Use Example Testcases

Run

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