

## 5962. Longest Palindrome by Concatenating Two Letter Words

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You are given an array of strings `words` . Each element of `words` consists of **two** lowercase English letters.

Create the **longest possible palindrome** by selecting some elements from `words` and concatenating them in **any order**. Each element can be selected **at most once**.

Return *the length of the longest palindrome that you can create*. If it is impossible to create any palindrome, return `0` .

A **palindrome** is a string that reads the same forward and backward.

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

### Example 1:

**Input:** words = ["lc","cl","gg"]  
**Output:** 6  
**Explanation:** One longest palindrome is "lc" + "gg" + "cl" = "lcggcl", of length 6.  
Note that "clggcl" is another longest palindrome that can be created.

### Example 2:

**Input:** words = ["ab","ty","yt","lc","cl","ab"]  
**Output:** 8  
**Explanation:** One longest palindrome is "ty" + "lc" + "cl" + "yt" = "tylcclyt", of length 8.  
Note that "lcyttycl" is another longest palindrome that can be created.

### Example 3:

**Input:** words = ["cc","ll","xx"]  
**Output:** 2  
**Explanation:** One longest palindrome is "cc", of length 2.  
Note that "ll" is another longest palindrome that can be created, and so is "xx".

### Constraints:

- 1 <= words.length <= 10<sup>5</sup>
- words[i].length == 2
- words[i] consists of lowercase English letters.

JavaScript

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```
1 /**
2  * @param {string[]} words
3  * @return {number}
4  */
5 var longestPalindrome = function(words) {
6
7  };
```