

5637. Determine if String Halves Are Alike

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You are given a string `s` of even length. Split this string into two halves of equal lengths, and let `a` be the first half and `b` be the second half.

Two strings are **alike** if they have the same number of vowels ( `'a'` , `'e'` , `'i'` , `'o'` , `'u'` , `'A'` , `'E'` , `'I'` , `'O'` , `'U'` ). Notice that `s` contains uppercase and lowercase letters.

Return `true` if `a` and `b` are **alike**. Otherwise, return `false` .

User Accepted:

0

User Tried:

0

Total Accepted:

0

Total Submissions:

0

Difficulty:

Easy

Example 1:

Input: `s = "book"`

Output: `true`

Explanation: `a = "bo"` and `b = "ok"`. `a` has 1 vowel and `b` has 1 vowel. Therefore, they are alike.

Example 2:

Input: `s = "textbook"`

Output: `false`

Explanation: `a = "text"` and `b = "book"`. `a` has 1 vowel whereas `b` has 2. Therefore, they are not alike. Notice that the vowel `o` is counted twice.

Example 3:

Input: `s = "MerryChristmas"`

Output: `false`

Example 4:

Input: `s = "AbCdEfGh"`

Output: `true`

Constraints:

- `2 <= s.length <= 1000`
- `s.length` is even.
- `s` consists of **uppercase and lowercase** letters.

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```
1 class Solution {
2 public:
3     bool halvesAreAlike(string s) {
4
5     }
6 };
```