

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.

JavaScript


```
1 /**
2  * @param {string} s
3  * @return {boolean}
4  */
5 const halvesAreAlike = (s) => {
6   let n = s.length;
7   for (let i = 0; i < n; i++) {
8     let left = s.slice(0, i);
9     let right = s.slice(i);
10    if (left.length == right.length) {
11      if (ok(left, right)) return true;
12    }
13  }
14  return false;
15 };
16
17 const ok = (s1, s2) => {
18   let n = s1.length;
19   let cnt1 = cnt2 = 0;
20   for (let i = 0; i < n; i++) {
21     if (isvowel(s1[i])) cnt1++;
22     if (isvowel(s2[i])) cnt2++;
23   }
```

```
23     }
24     return cnt1 == cnt2;
25 };
26
27 const isvowel = (c) => {
28     if (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u' || c == 'A' || c == 'E' || c == 'I' || c == 'O' || c ==
    'U') return true;
29     return false;
30 };
```

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