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.

**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.