You are given two strings s1 and s2, both of length n, consisting of **lowercase** English letters.

You can apply the following operation on **any** of the two strings **any** number of times:

* Choose any two indices i and j such that i < j and the difference j - i is **even**, then **swap** the two characters at those indices in the string.

Return true *if you can make the strings* s1 *and* s2 *equal, and*false *otherwise*.

**Example 1:**

Input: s1 = "abcdba", s2 = "cabdab"  
Output: true  
Explanation: We can apply the following operations on s1:  
- Choose the indices i = 0, j = 2. The resulting string is s1 = "cbadba".  
- Choose the indices i = 2, j = 4. The resulting string is s1 = "cbbdaa".  
- Choose the indices i = 1, j = 5. The resulting string is s1 = "cabdab" = s2.

**Example 2:**

Input: s1 = "abe", s2 = "bea"  
Output: false  
Explanation: It is not possible to make the two strings equal.

**Constraints:**

* n == s1.length == s2.length
* 1 <= n <= 105
* s1 and s2 consist only of lowercase English letters.