

# 2840. Check if Strings Can be Made Equal With Operations II

## Description

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.

