

1433. Check If a String Can Break Another String

Description

Given two strings: `s1` and `s2` with the same size, check if some permutation of string `s1` can break some permutation of string `s2` or vice-versa. In other words `s2` can break `s1` or vice-versa.

A string `x` can break string `y` (both of size `n`) if `x[i] >= y[i]` (in alphabetical order) for all `i` between `0` and `n-1`.

Example 1:

Input: `s1 = "abc", s2 = "xya"`

Output: `true`

Explanation: "ayx" is a permutation of `s2="xya"` which can break to string "abc" which is a permutation of `s1="abc"`.

Example 2:

Input: `s1 = "abe", s2 = "acd"`

Output: `false`

Explanation: All permutations for `s1="abe"` are: "abe", "aeb", "bae", "bea", "eab" and "eba" and all permutation for `s2="acd"` are: "acd", "adc", "cad", "cda", "dac" and "dca". However, there is not any permutation from `s1` which can break some permutation from `s2` and vice-versa.

Example 3:

Input: `s1 = "leetcode", s2 = "interview"`

Output: `true`

Constraints:

- `s1.length == n`
- `s2.length == n`
- `1 <= n <= 10^5`
- All strings consist of lowercase English letters.

