**1433. Check If a String Can Break Another String**

Medium

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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 = "leetcodee", s2 = "interview"

**Output:** true

**Constraints:**

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

Accepted

19,612

Submissions

29,168