38. Check If a String Can Break Another String

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.

Code:

```
def checkIfCanBreak(s1, s2):
    s1_sorted = sorted(s1)
    s2_sorted = sorted(s2)

    def can_break(s1, s2):
        return all(c1 >= c2 for c1, c2 in zip(s1, s2))
    return can_break(s1_sorted, s2_sorted) or can_break(s2_sorted, s1_sorted)
s1 = "abc"
s2 = "xya"
print(checkIfCanBreak(s1, s2))
```

Output:

```
= RESTART:
True
```

Time Complexity:

- T(n)= O(nlogn)