21. You are given a string s, and an array of pairs of indices in the string pairs where pairs[i] = [a, b] indicates 2 indices(0-indexed) of the string. You can swap the characters at any pair of indices in the given pairs any number of times. Return the lexicographically smallest string that s can be changed to after using the swaps.

Code:

```
for i in range(n):
    root = uf.find(i)
    if root not in components:
        components[root] = []
    components[root].append(i)

res = list(s)

for indices in components.values():
    chars = [s[i] for i in indices]
    chars.sort()

    for i, char in zip(sorted(indices), chars):
        res[i] = char

return ''.join(res)

s = "dcab"
pairs = [[0, 3], [1, 2], [0, 2]]
print(smallestStringWithSwaps(s, pairs))
```

Output:



Time Complexity:

• T(n)= O(v)