1202. Smallest String With Swaps

Description

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.

Example 1:

```
Input: s = "dcab", pairs = [[0,3],[1,2]]
Output: "bacd"
Explaination:
Swap s[0] and s[3], s = "bcad"
Swap s[1] and s[2], s = "bacd"
```

Example 2:

```
Input: s = "dcab", pairs = [[0,3],[1,2],[0,2]]
Output: "abcd"
Explaination:
Swap s[0] and s[3], s = "bcad"
Swap s[0] and s[2], s = "acbd"
Swap s[1] and s[2], s = "abcd"
```

Example 3:

```
Input: s = "cba", pairs = [[0,1],[1,2]]
Output: "abc"
Explaination:
Swap s[0] and s[1], s = "bca"
Swap s[1] and s[2], s = "bac"
Swap s[0] and s[1], s = "abc"
```

Constraints:

- `1 <= s.length <= 10^5`
- `0 <= pairs.length <= 10^5`
- `0 <= pairs[i][0], pairs[i][1] < s.length`
- `s` only contains lower case English letters.