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1209. Remove All Adjacent Duplicates in String II

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You are given a string `s` and an integer `k`, a **k duplicate removal** consists of choosing `k` adjacent and equal letters from `s` and removing them, causing the left and the right side of the deleted substring to concatenate together.

We repeatedly make `k duplicate removals` on `s` until we no longer can.

Return the final string after all such duplicate removals have been made. It is guaranteed that the answer is unique.

Example 1:

Input: `s = "abcd"`, `k = 2`

Output: `"abcd"`

Explanation: There's nothing to delete.

Example 2:

Input: `s = "deeedbbcccbdaa"`, `k = 3`

Output: `"aa"`

Explanation:

First delete `"eee"` and `"ccc"`, get `"ddbbbdaa"`

Then delete `"bbb"`, get `"dddaa"`

Finally delete `"ddd"`, get `"aa"`

Example 3:

Input: `s = "pbbcggttciiippooaais"`, `k = 2`

Output: `"ps"`

Constraints:

- `1 <= s.length <= 105`
- `2 <= k <= 104`
- `s` only contains lower case English letters.

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```
class Solution {
    public String removeDuplicates(String s, int k) {
    }
}
```

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