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2381. Shifting Letters II

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You are given a string `s` of lowercase English letters and a 2D integer array `shifts` where `shifts[i] = [start_i, end_i, direction_i]`. For every `i`, **shift** the characters in `s` from the index `start_i` to the index `end_i` (**inclusive**) forward if `direction_i = 1`, or shift the characters backward if `direction_i = 0`.

Shifting a character **forward** means replacing it with the **next** letter in the alphabet (wrapping around so that `'z'` becomes `'a'`). Similarly, shifting a character **backward** means replacing it with the **previous** letter in the alphabet (wrapping around so that `'a'` becomes `'z'`).

Return *the final string after all such shifts to* `s` *are applied.*

Example 1:

```
Input: s = "abc", shifts = [[0,1,0],[1,2,1],[0,2,1]]
Output: "ace"
Explanation: Firstly, shift the characters from index 0 to index 1
backward. Now s = "zac".
Secondly, shift the characters from index 1 to index 2 forward. Now s =
"zbd".
Finally, shift the characters from index 0 to index 2 forward. Now s =
"ace".
```

Example 2:

```
Input: s = "dztz", shifts = [[0,0,0],[1,1,1]]
Output: "catz"
Explanation: Firstly, shift the characters from index 0 to index 0
backward. Now s = "cztz".
Finally, shift the characters from index 1 to index 1 forward. Now s =
"catz".
```

Constraints:

- `1 <= s.length, shifts.length <= 5 * 10^4`
- `shifts[i].length == 3`
- `0 <= start_i <= end_i < s.length`
- `0 <= direction_i <= 1`
- `s` consists of lowercase English letters.

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Java Autocomplete

```java
class Solution {
    public String shiftingLetters(String s, int[][] shifts) {

    }
}
```

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