1165. Single-Row Keyboard

Easy 125 10 Add to List Share

There is a special keyboard with **all keys in a single row**.

Given a string `keyboard` of length 26 indicating the layout of the keyboard (indexed from 0 to 25), initially your finger is at index 0. To type a character, you have to move your finger to the index of the desired character. The time taken to move your finger from index `i` to index `j` is `|i - j|`.

You want to type a string `word`. Write a function to calculate how much time it takes to type it with one finger.

Example 1:

```
Input: keyboard = "abcdefghijklmnopqrstuvwxyz", word = "cba"
Output: 4
Explanation: The index moves from 0 to 2 to write 'c' then to 1 to write 'b' then to 0 again to write 'a'.
Total time = 2 + 1 + 1 = 4.
```

Example 2:

```
Input: keyboard = "pqrstuvwxyzabcdefghijklmno", word = "leetcode"
Output: 73
```

Constraints:

- `keyboard.length == 26`
- `keyboard` contains each English lowercase letter exactly once in some order.
- `1 <= word.length <= 10^4`
- `word[i]` is an English lowercase letter.

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Seen this question in a real interview before? Yes No

Contributor

```python
class Solution(object):
    def calculateTime(self, keyboard, word):
        """
        :type keyboard: str
        :type word: str
        :rtype: int
        """

```