

1165. Single-Row Keyboard Premium

Solved ●

Easy Topics Companies Hint

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 = "pqrstuvwxyzabcdefghijklmnopqrstuvwxyz"`, `word = "leetcode"`

Output: `73`

Constraints:

- `keyboard.length == 26`
- `keyboard` contains each English lowercase letter exactly once in some order.
- `1 <= word.length <= 104`
- `word[i]` is an English lowercase letter.

Seen this question in a real interview before? 1/4

Yes No

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