

# Problem 1165: Single-Row Keyboard

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 87.73%

**Paid Only:** Yes

**Tags:** Hash Table, String

## Problem Description

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 <= 104` \* `word[i]` is an English lowercase letter.

## Code Snippets

### C++:

```
class Solution {  
public:  
    int calculateTime(string keyboard, string word) {  
  
    }  
};
```

### Java:

```
class Solution {  
    public int calculateTime(String keyboard, String word) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def calculateTime(self, keyboard: str, word: str) -> int:
```