# Problem 1974: Minimum Time to Type Word Using Special Typewriter

## Problem Information

**Difficulty:** Easy
**Acceptance Rate:** 78.19%
**Paid Only:** No
**Tags:** String, Greedy

## Problem Description

There is a special typewriter with lowercase English letters `'a'` to `'z'` arranged in a **circle** with a **pointer**. A character can **only** be typed if the pointer is pointing to that character. The pointer is **initially** pointing to the character `'a'`.

![](https://assets.leetcode.com/uploads/2021/07/31/chart.jpg)

Each second, you may perform one of the following operations:

* Move the pointer one character **counterclockwise** or **clockwise**. * Type the character the pointer is **currently** on.

Given a string `word`, return the**minimum** number of seconds to type out the characters in `word`.

**Example 1:**

**Input:** word = "abc" **Output:** 5 **Explanation:** The characters are printed as follows: - Type the character 'a' in 1 second since the pointer is initially on 'a'. - Move the pointer clockwise to 'b' in 1 second. - Type the character 'b' in 1 second. - Move the pointer clockwise to 'c' in 1 second. - Type the character 'c' in 1 second.

**Example 2:**

**Input:** word = "bza" **Output:** 7 **Explanation:** The characters are printed as follows: - Move the pointer clockwise to 'b' in 1 second. - Type the character 'b' in 1 second. - Move the

pointer counterclockwise to 'z' in 2 seconds. - Type the character 'z' in 1 second. - Move the pointer clockwise to 'a' in 1 second. - Type the character 'a' in 1 second.

**Example 3:**

**Input:** word = "zjpc" **Output:** 34 **Explanation:** The characters are printed as follows: - Move the pointer counterclockwise to 'z' in 1 second. - Type the character 'z' in 1 second. - Move the pointer clockwise to 'j' in 10 seconds. - Type the character 'j' in 1 second. - Move the pointer clockwise to 'p' in 6 seconds. - Type the character 'p' in 1 second. - Move the pointer counterclockwise to 'c' in 13 seconds. - Type the character 'c' in 1 second.

**Constraints:**

* `1 <= word.length <= 100` * `word` consists of lowercase English letters.

## Code Snippets

**C++:**

```cpp
class Solution {
public:
int minTimeToType(string word) {


}
};
```

**Java:**

```java
class Solution {
public int minTimeToType(String word) {


}
}
```

**Python3:**

```python
class Solution:
def minTimeToType(self, word: str) -> int:
```