# Short Palindrome

Consider a string, $s$, of $n$ lowercase English letters where each character, $s_i$ $(0 \leq i < n)$, denotes the letter at index $i$ in $s$. We define an $(a, b, c, d)$ palindromic tuple of $s$ to be a sequence of indices in $s$ satisfying the following criteria:

- $s_a = s_d$, meaning the characters located at indices $a$ and $d$ are the same.
- $s_b = s_c$, meaning the characters located at indices $b$ and $c$ are the same.
- $0 \leq a < b < c < d < |s|$, meaning that $a$, $b$, $c$, and $d$ are ascending in value and are valid indices within string $s$.

Given $s$, find and print the number of $(a, b, c, d)$ tuples satisfying the above conditions. As this value can be quite large, print it modulo $10^9 + 7$.

**Input Format**

A single string denoting $s$.

**Constraints**

- $1 \leq |s| \leq 10^6$
- It is guaranteed that $s$ only contains lowercase English letters.

**Output Format**

Print the the number of $(a, b, c, d)$ tuples satisfying the conditions in the *Problem Statement* above. As this number can be very large, your answer must be modulo $(10^9 + 7)$.

**Sample Input 0**

```
kkkkkkz
```

**Sample Output 0**

```
15
```

**Explanation 0**

The letter `z` will not be part of a valid tuple because you need at least two of the same character to satisfy the conditions defined above. Because all tuples consisting of four `k`'s are valid, we just need to find the number of ways that we can choose four of the six `k`'s. This means our answer is $\binom{6}{4} \mod (10^9 + 7) = 15$.

**Sample Input 1**

```
ghhggh
```

**Sample Output 1**

```
4
```

**Explanation 1**

The valid tuples are:

1. $(0, 1, 2, 3)$
2. $(0, 1, 2, 4)$
3. $(1, 3, 4, 5)$
4. $(2, 3, 4, 5)$

Thus, our answer is $4 \mod (10^9 + 7) = 4$.