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Strings and partitions   🔒 locked

H by **pruthvishalcodi1**

Problem	Submissions	Leaderboard	Discussions

ALguru wants to find the number of ways to partition a string S to substrings such that if there are m substrings (S1,S2, S3, ..., Sm), then $Si = S_{m-i+1}$ for all i $(1 \leq i \leq m)$ and m is always even. Help ALguru to compute the number of ways to partition the string.

Input Format

one line specifying string S.

Constraints

$2 \leq len(S) \leq 1000000$

Output Format

Print the number of ways modulo 10^9 + 7.

Sample Input 0

    xyyxyxyxyxyyxy

Sample Output 0

    3

Explanation 0

The string can be partitioned as xy|y|xy|xy|xy|xy|y|xy or xy|y|xyxy|xyxy|y|xy or xyyxy|xy|xy|xyyxy. Thus total number of ways = 3.

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Submissions: 2
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```cpp
 1  #include <cmath>
 2  #include <cstdio>
 3  #include <vector>
 4  #include <iostream>
 5  #include <algorithm>
 6  using namespace std;
 7
 8
 9  int main() {
10      /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11      return 0;
12  }
```

Line: 1 Col: 1

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