



#### **CSES Problem Set**

# **Palindrome Reorder**

TASK | STATISTICS

**Time limit:** 1.00 s **Memory limit:** 512 MB

Given a string, your task is to reorder its letters in such a way that it becomes a palindrome (i.e., it reads the same forwards and backwards).

#### **Input**

The only input line has a string of length n consisting of characters A–Z.

### **Output**

Print a palindrome consisting of the characters of the original string. You may print any valid solution. If there are no solutions, print "NO SOLUTION".

#### **Constraints**

•  $1 \le n \le 10^6$ 

# **Example**

Input: AAAACACBA

Output:

# **Introductory Problems**

Bit Strings Trailing Zeros Coin Piles Palindrome Reorder Gray Code Tower of Hanoi Creating Strings Apple Division -