CSES Problem Set

Palindrome Reorder

Submission details

Task:	Palindrome Reorder
Sender:	sinhaaditya
Submission time:	2025-10-02 22:11:50 +0300
Language:	Python3 (PyPy3)
Status:	READY
Result:	WRONG ANSWER

Test results

test	verdict	time	
#1	ACCEPTED	0.05 s	»
#2	ACCEPTED	0.05 s	»
#3	ACCEPTED	0.05 s	»
#4	ACCEPTED	0.05 s	»
#5	ACCEPTED	0.05 s	»
#6	ACCEPTED	0.11 s	»
#7	ACCEPTED	0.11 s	»
#8	ACCEPTED	0.12 s	»
#9	WRONG ANSWER	0.12 s	»
#10	ACCEPTED	0.12 s	»
#11	ACCEPTED	0.05 s	»
#12	ACCEPTED	0.05 s	»
#13	ACCEPTED	0.05 s	»
#14	ACCEPTED	0.05 s	»
#15	WRONG ANSWER	0.05 s	»
#16	ACCEPTED	0.05 s	»
#17	ACCEPTED	0.05 s	»

Code

```python
from collections import Counter

class PalindromeReorder:
    def __init__(self, s: str):
        self.s = s
        self.freq = Counter(s)

    def build_palindrome(self) -> str:
        # Find odd count characters
        odd_chars = [ch for ch, count in self.freq.items()

        if len(odd_chars) > 1:
            return "NO SOLUTION"
```


Introductory Problems

...
Bit Strings −
Trailing Zeros −
Coin Piles −
Palindrome Reorder ×
Gray Code ✓
Tower of Hanoi −
Creating Strings −
Apple Division −
...

Your submissions

2025-10-02 22:11:50 ×
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```
14
15          first_half = []
16          middle = ""
17
18          for ch in sorted(self.freq.keys()):  # sorted for s
19              count = self.freq[ch]
20              if count % 2 == 1:
21                  middle = ch * count
22              first_half.append(ch * (count // 2))
23
24          first_half_str = "".join(first_half)
25          return first_half_str + middle + first_half_str[::-
26
27
28  if __name__ == "__main__":
29      s = input().strip()
30      solver = PalindromeReorder(s)
31      print(solver.build_palindrome())
```

SHARE CODE TO OTHERS

Test details

Test 1

Verdict: ACCEPTED

input
AAAAAAAAAA

correct output
AAAAAAAAAA

user output
AAAAAAAAAA

Test 2

Verdict: ACCEPTED

input
ABABABABAB

correct output
NO SOLUTION

user output
NO SOLUTION

Test 3

Verdict: ACCEPTED

input

CBPPBFCFAA

correct output

ABCFPPFCBA

user output

ABCFPPFCBA

Test 4

Verdict: ACCEPTED

input

SQAADSDTQ

correct output

ADQSTSQDA

user output

ADQSTSQDA

Test 5

Verdict: ACCEPTED

input

MWNYFUIRUX

correct output

NO SOLUTION

user output

NO SOLUTION

Test 6

Verdict: ACCEPTED

input

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

correct output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

user output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

Test 7

Verdict: ACCEPTED

input

ABABABABABABABABABABABABABAB...

correct output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

user output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

Test 8

Verdict: ACCEPTED

input

OAQMHLJCYOSIDZCLQEUVHZRZMTJKTP...

correct output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

user output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

Test 9

Verdict: WRONG ANSWER

input

XTEFWYBPUHTGBFLJVFQHEUTBHKGZZK...

correct output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

user output

AAAAAAAAAAAAAAAAAAAAAAAAAAAAA...

Test 10

Verdict: ACCEPTED

input

LGGISZCPBNLTWIGZEBRNXCTDEUGMHQ...

correct output

NO SOLUTION

user output

NO SOLUTION

Test 11

Verdict: ACCEPTED

input

CCA

correct output

CAC

user output

CAC

Test 12

Verdict: ACCEPTED

input

A

correct output

A

user output

A

Test 13

Verdict: ACCEPTED

input

AA

correct output

AA

user output

AA

Test 14

Verdict: ACCEPTED

input
ABZ

correct output
NO SOLUTION

user output
NO SOLUTION

Test 15

Verdict: WRONG ANSWER

input
AADDDCC

correct output
ACDDDCA

user output
ACDDDDDCA

Test 16

Verdict: ACCEPTED

input
AFFFBCACBZZTFUU

correct output
ABCFFUZTZUFFCBA

user output
ABCFFUZTZUFFCBA

Test 17

Verdict: ACCEPTED

input
ACCAB

correct output

ACBCA

user output

ACBCA