String Reorder  
Problem ID: stringreorder1743

Given a string, you want to reorder its characters so that no two adjacent characters are the same. What is the lexicographically minimal such string?

**Input**
The only input line as a string of length \( n \) consisting of characters A–Z.

**Output**
Print the lexicographically minimal reordered string where no two adjacent characters are the same. If it is not possible to create such a string, print \(-1\).

**Constraints**
- \( 1 \leq n \leq 10^6 \)

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<th>Sample Input 1</th>
<th>Sample Output 1</th>
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