

Super Reduced String

Steve has a string of lowercase characters in range *ascii*['a'...'z']. He wants to reduce the string to its shortest length by doing a series of operations. In each operation he selects a pair of adjacent lowercase letters that match, and he deletes them. For instance, the string *aab* could be shortened to *b* in one operation.

Steve's task is to delete as many characters as possible using this method and print the resulting string. If the final string is empty, print **Empty String**

Problem Description

Complete the *SuperReducedString* problem. It should return the super reduced string or **Empty String** if the final string is empty.

Input Format

A single string, *s*.

Constraints

- $1 \leq \text{length}(s) \leq 100$

Output Format

If the final string is empty, print **Empty String**; otherwise, print the final non-reducible string.

Sample 1

Sample input	Sample output
aaabccddd	abd

Explanation 1

Steve performs the following sequence of operations to get the final string:

aaabccddd → abccddd → abddd → abd

Sample 2

Sample input	Sample output
aa	Empty String

Explanation 2

aa → Empty String

Sample 3

Sample input	Sample output
baab	Empty String

Explanation 3

baab → bb → Empty String