



Super Reduced String

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Problem

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Steve has a string, s , consisting of n lowercase English alphabetic letters. In one operation, he can delete any *pair of adjacent letters* with same value. For example, string "aabcc" would become either "aab" or "bcc" after **1** operation.

Steve wants to reduce s as much as possible. To do this, he will repeat the above operation as many times as it can be performed. Help Steve out by finding and printing s 's non-reducible form!

Note: If the final string is empty, print `Empty String`.

Input Format

A single string, s .

Constraints

- $1 \leq n \leq 100$

Output Format

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

Sample Input 0

```
aaabccddd
```

Sample Output 0

```
abd
```

Sample Case 0

Steve can perform the following sequence of operations to get the final string:

1. aaabccddd \rightarrow abccddd
2. abccddd \rightarrow abddd
3. abddd \rightarrow abd

Thus, we print `abd`.

Sample Input 1

```
baab
```

Sample Output 1

```
Empty String
```

Explanation 1

Steve can perform the following sequence of operations to get the final string:

1. baab → bb
2. bb → Empty String

Thus, we print Empty String.

Sample Input 2

```
aa
```

Sample Output 2

```
Empty String
```

Explanation 2

Steve can perform the following sequence of operations to get the final string:

1. aa → Empty String

Thus, we print Empty String.

Easy

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C++



```
1 #include <bits/stdc++.h>
2
3 using namespace std;
4
5 string super_reduced_string(string s){
6     // Complete this function
7 }
```

```
8
9 ▼ int main() {
10     string s;
11     cin >> s;
12     string result = super_reduced_string(s);
13     cout << result << endl;
14     return 0;
15 }
16
```

Line: 16 Col: 1

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