Problem 3174: Clear Digits

Problem Information

Difficulty: Easy
Acceptance Rate: 82.61%
Paid Only: No
Tags: String, Stack, Simulation

Problem Description

You are given a string `s`.

Your task is to remove **all** digits by doing this operation repeatedly:

* Delete the _first_ digit and the **closest** **non-digit** character to its _left_.

Return the resulting string after removing all digits.

Note that the operation _cannot_ be performed on a digit that does not have any non-digit character to its left.

Example 1:

Input: s = "abc"

Output: "abc"

Explanation:

There is no digit in the string.

Example 2:

Input: s = "cb34"

Output: ""

Explanation:

First, we apply the operation on `s[2]`, and `s` becomes `"c4"`.

Then we apply the operation on `s[1]`, and `s` becomes `""`.

Constraints:

* `1 <= s.length <= 100` * `s` consists only of lowercase English letters and digits. * The input is generated such that it is possible to delete all digits.

Code Snippets

C++:

```
class Solution {
public:
string clearDigits(string s) {


}
};
```

Java:

```
class Solution {
public String clearDigits(String s) {


}
}
```

Python3:

```
class Solution:
def clearDigits(self, s: str) -> str:
```