

Description

Solution

Submissions

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Python

Autocomplete

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536. Construct Binary Tree from String

Medium

366

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You need to construct a binary tree from a string consisting of parenthesis and integers.

The whole input represents a binary tree. It contains an integer followed by zero, one or two pairs of parenthesis. The integer represents the root's value and a pair of parenthesis contains a child binary tree with the same structure.

You always start to construct the **left** child node of the parent first if it exists.

Example:

Input: "4(2(3)(1))(6(5))"

Output: return the tree root node representing the following tree:



Note:

- There will only be '(', ')', '-', and '0' ~ '9' in the input string.
- An empty tree is represented by "" instead of "()",

Accepted 25,649

Submissions 54,126

Seen this question in a real interview before?

Yes

No

```
1 # Definition for a binary tree node.
2 # class TreeNode(object):
3 #     def __init__(self, val=0, left=None, right=None):
4 #         self.val = val
5 #         self.left = left
6 #         self.right = right
7 class Solution(object):
8     def str2tree(self, s):
9         """
10         :type s: str
11         :rtype: TreeNode
12         """
13
```