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536. Construct Binary Tree from String
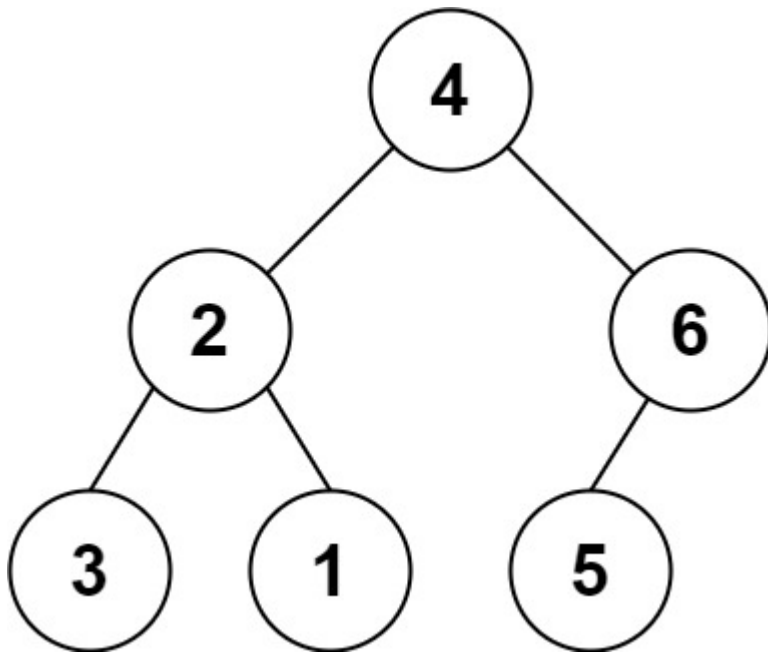
Medium   👍 802   👎 129   ♡ Add to List   ⬧ Share

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 1:


```
Input: s = "4(2(3)(1))(6(5))"
Output: [4,2,6,3,1,5]
```

Example 2:

```
Input: s = "4(2(3)(1))(6(5)(7))"
Output: [4,2,6,3,1,5,7]
```

Example 3:

```
Input: s = "-4(2(3)(1))(6(5)(7))"
Output: [-4,2,6,3,1,5,7]
```

≡ Problems   ⤨ Pick One   ‹ Prev   536/2094   Next ›