

536. Construct Binary Tree from String

Medium

967

150

Add to List

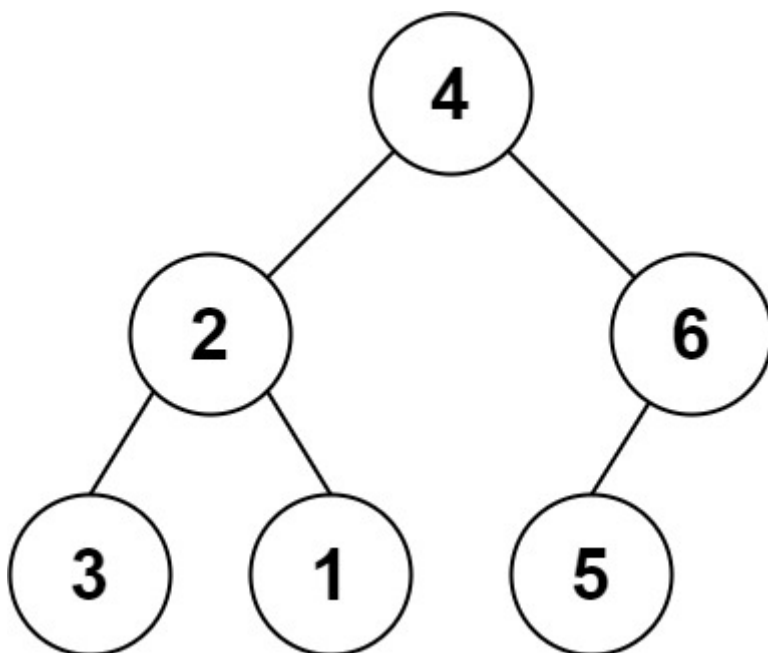
Share

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. 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]`