Problem

Write a function to connect all the adjacent nodes at the same level in a binary tree. The structure of the given Binary Tree node is like following. Initially, all the nextRight pointers point to garbage values. Your function should set these pointers to point next right for each node. You can use only constant extra space.

A diagram of a diagram

Description automatically generated with medium confidence

Recursive Solution

If we traverse the nextRight node before the left and right children (root, nextRight, left), then we can make sure that all nodes at level i have the nextRight set, before the level i+1 nodes.