Binary Tree Level Order Traversal III (zigzag)

```
class Solution(object):
  def zigzagLevelOrder(self, root):
    result = []
    if root is None:
      return result
    q = deque([root])
    popFromleft = True

    while len(q) != 0:
      size = len(q)
      current_level = []
      if popFromleft == True:
        for i in range(size):
          node = q.popleft()
          current_level.append(node.val)
          if node.left:
            q.append(node.left)
          if node.right:
            q.append(node.right)
        popFromleft == False
        result.append(current_level)

      else:
        for i in range(size):
          node = q.pop()
          current_level.append(node.val)
          if node.right:
            q.appendleft(node.right)
          if node.left:
            q.appendleft(node.left)
        popFromleft == True
        result.append(current_level)

    return result
```