class Solution:

def cloneGraph(self, node: 'Node') -> 'Node':

if not node: return node

q, clones = deque([node]), {node.val: Node(node.val, [])}

while q:

cur = q.popleft()

cur\_clone = clones[cur.val]

for ngbr in cur.neighbors:

if ngbr.val not in clones:

clones[ngbr.val] = Node(ngbr.val, [])

q.append(ngbr)

cur\_clone.neighbors.append(clones[ngbr.val])

return clones[node.val]