

preorder
 Root
 Left
 Right

1 2 4 ~~3~~ 5

~~5~~
~~4~~
~~3~~
~~2~~
~~1~~

current = ~~1~~ 2 ~~4~~ 3
 L R L R
 ✓ × × ✓

1 2 4 ~~3~~ 5

st.push(root)

while (!st.isEmpty()) {

current = st.pop();

if (current != null) {

if (current.right != null) {

st.push(current.right);

if (current.left == null)

st.push(null);

}

if (current.left != null) {

st.push(current.left);

if (current.right == null)

st.push(null);

}



list.add(current.val);

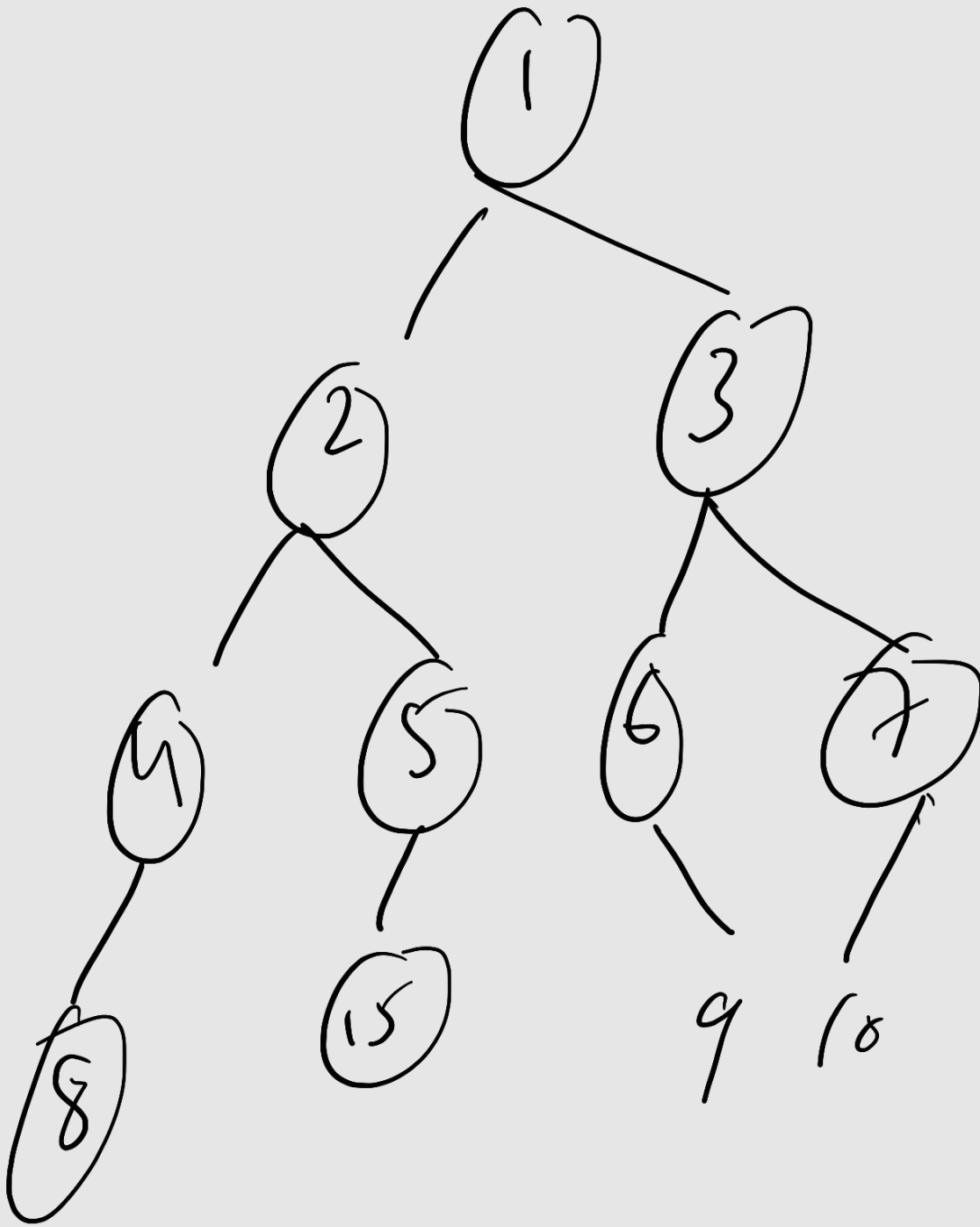
} else

{ list.add(000);

}

,

1 2 4 + 3 + 5



preorder

1 2 4 8 + 5 15 + ~~3~~ 6
+ 9 ~~7~~ 10 +

