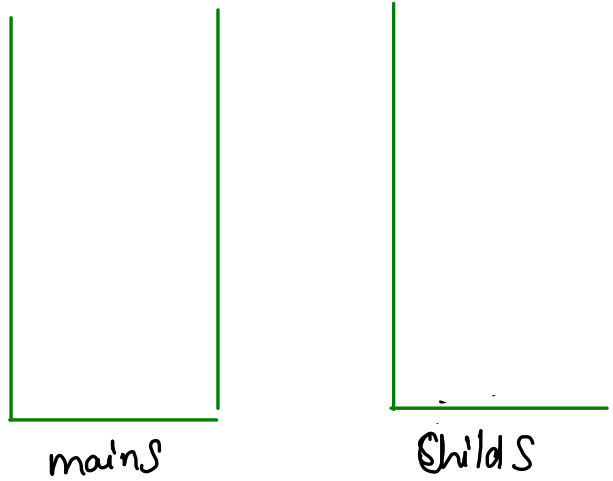


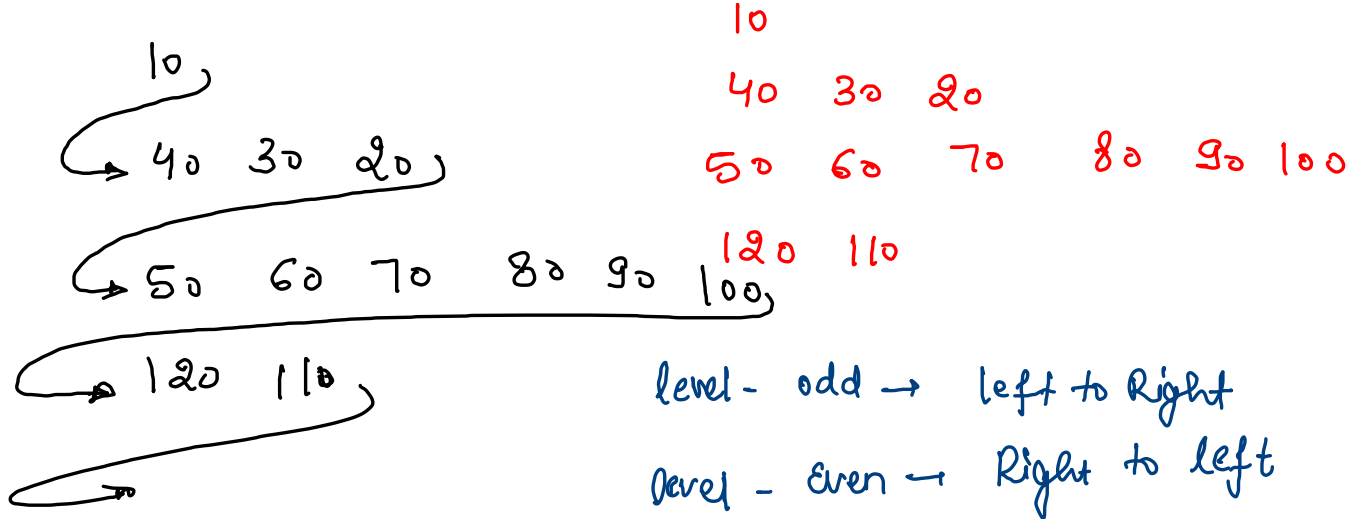
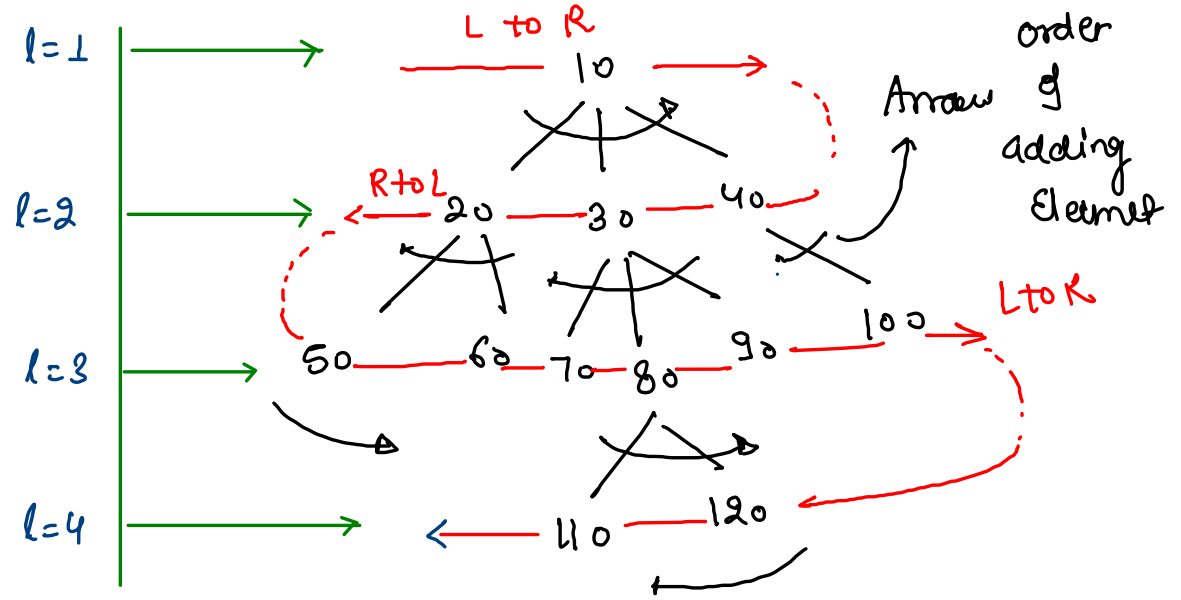
Level order zigzag

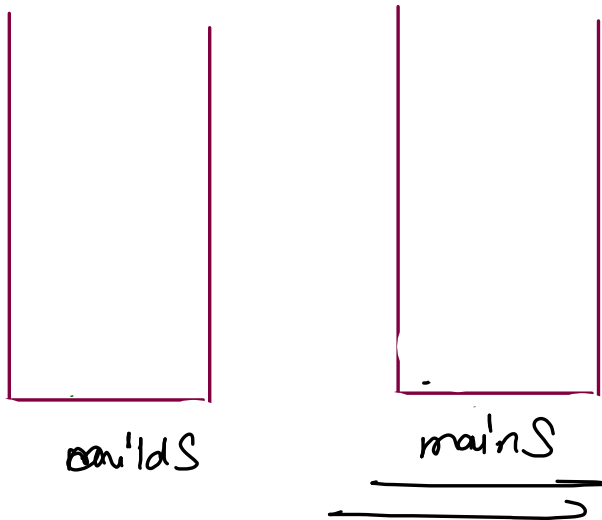


Level 1 2 1 2 ↓

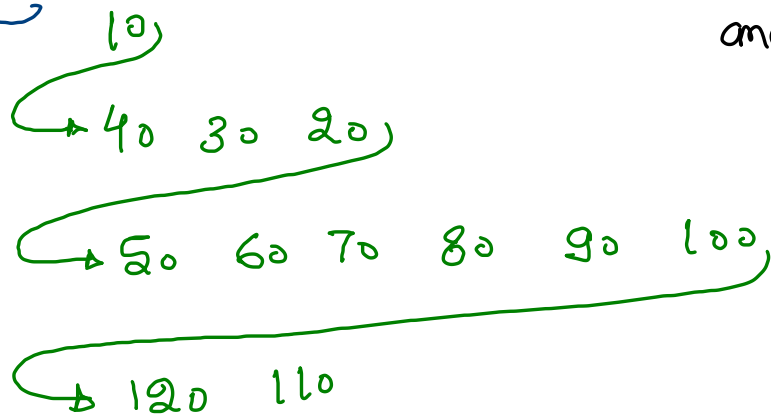
odd 1 → left to right

even 2 → right to left





level = ~~1~~ ~~2~~ ~~3~~ 4



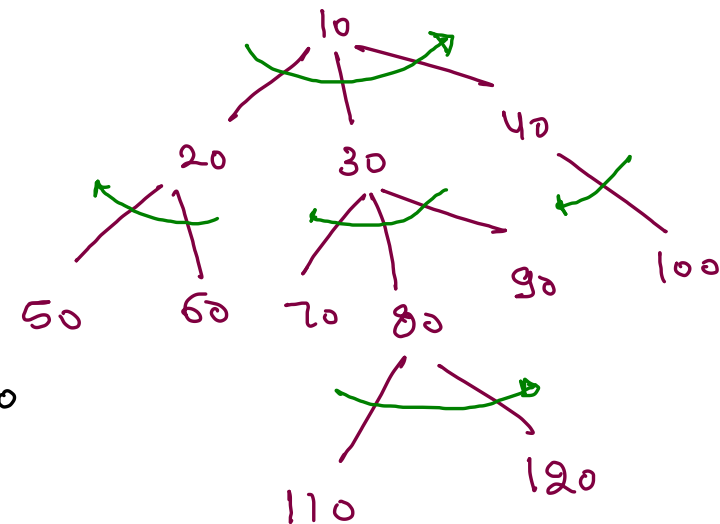
level is
Helping
for odd
level and
Even level

mainS.size() == 0

level ++;

Hit Enter

swap mainS
and childS



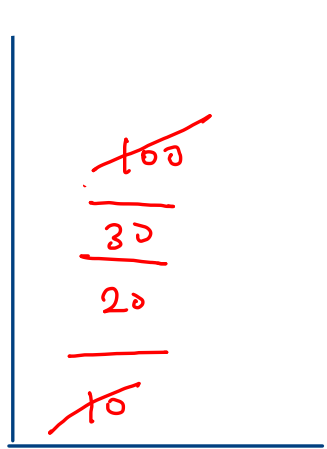
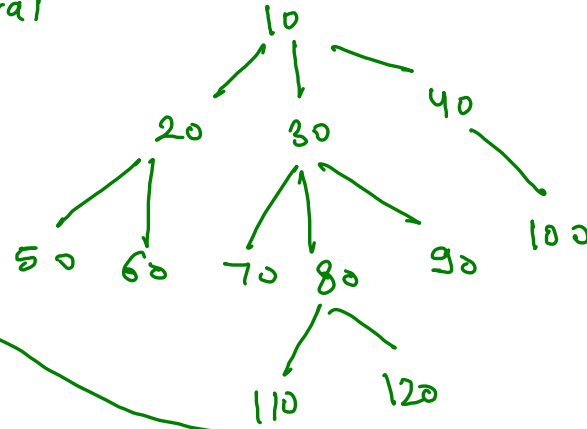
level - odd → addition of
Child → left to Right

level - Even → addition of Child!
Right to left

Addition and removal

End is same

so this
solution will
not work



10
40 100

```
st.push(node);
int lvl = 1;
while(st.size() > 0) {
    int sz = st.size();
    while(sz-- > 0) {
        Node rem = st.pop();
        System.out.print(rem.data + " ");

        if(lvl % 2 == 1) {
            // odd level -> left to right
            for(int i = 0; i < rem.children.size(); i++) {
                Node child = rem.children.get(i);
                st.push(child);
            }
        } else {
            // even level -> right to left
            for(int i = rem.children.size() - 1; i >= 0; i--) {
                Node child = rem.children.get(i);
                st.push(child);
            }
        }
    }
    System.out.println();
    lvl++;
}
```