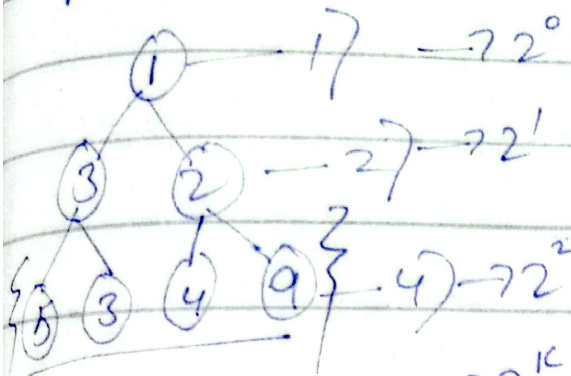


Maximum width of Binary tree,

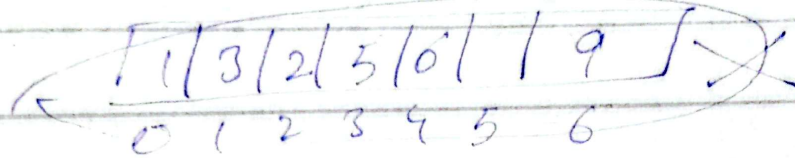
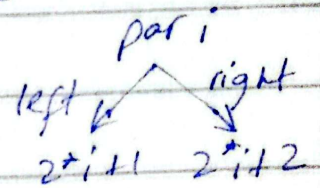
longest length between the ^{end} nodes where the null nodes between the end nodes that would be present in a complete Binary tree.



* Traverse level wise

* BFS using Queue

2^k (CBT indexing)



```
int maxwid(root){
    Queue <pair<Node*, int>> w
    w.push(root, 0)
    maxwidth = 0
    while(w.size() > 0){
        stidx = w.front().second
        endidx = w.back().second
        maxwid = max(maxwid, endidx - stidx + 1)
        for(i = 0 to curlevelsize){
            curNode = w.pop()
            if(left) -> (node->left, 2*idx+1)
            if(right) -> (node->right, 2*idx+2)
        }
    }
}
```

TC = $O(n)$