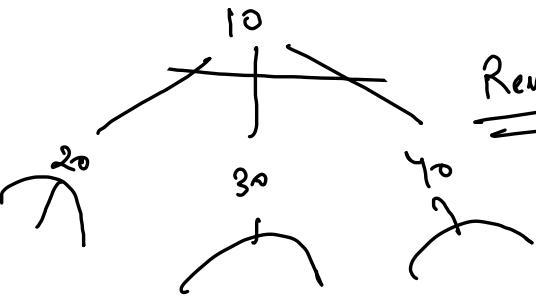
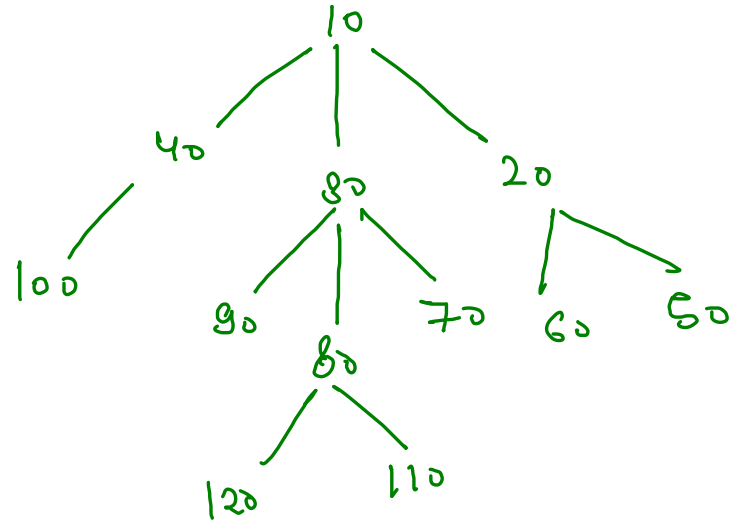
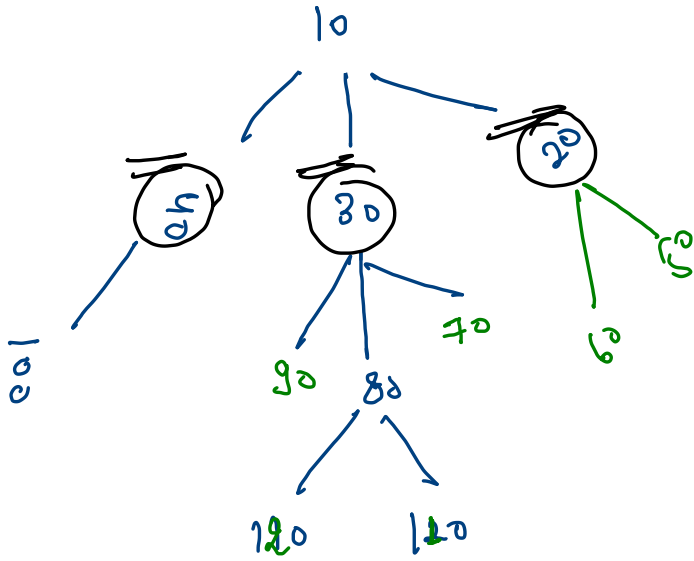
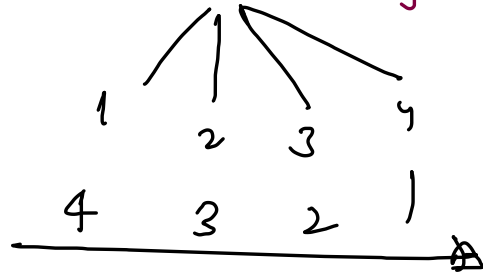


Mirror →



Reverse



Expectation →  
faith →

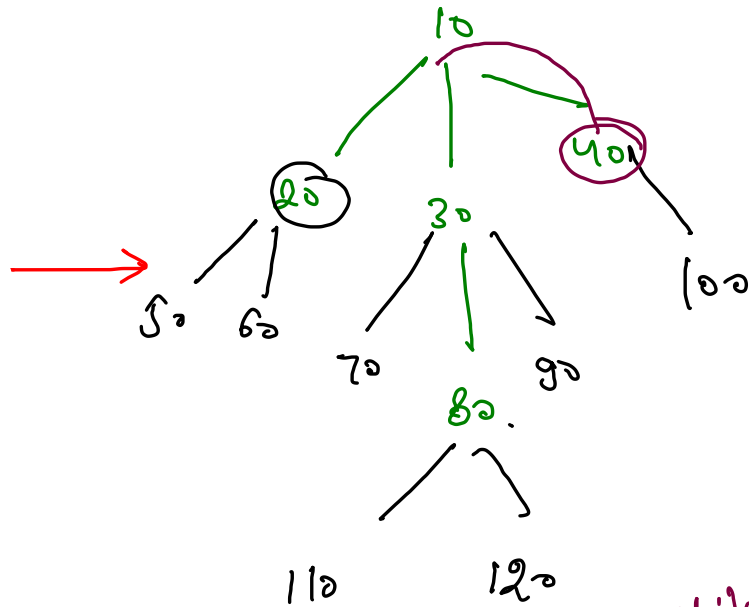
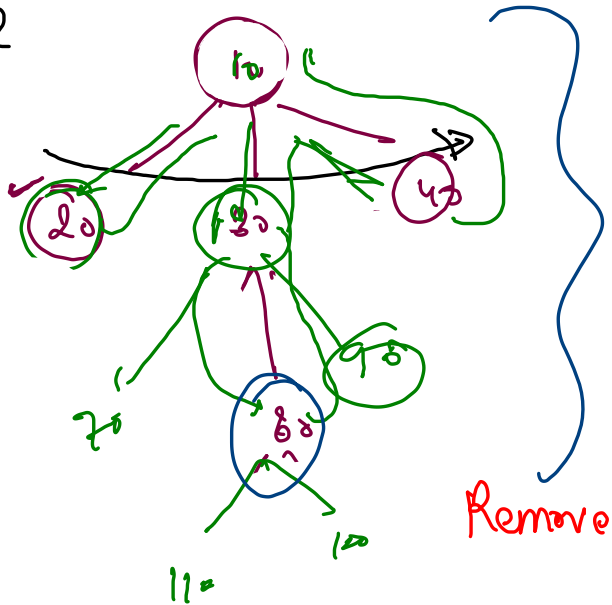
mirror(10) } complete tree  
mirror

\* children(10) → mirror(child) Done by recursion  
\* 10 child → mirror  
mirror

Done by me.



Remove leaf



~~faith  
safe work~~

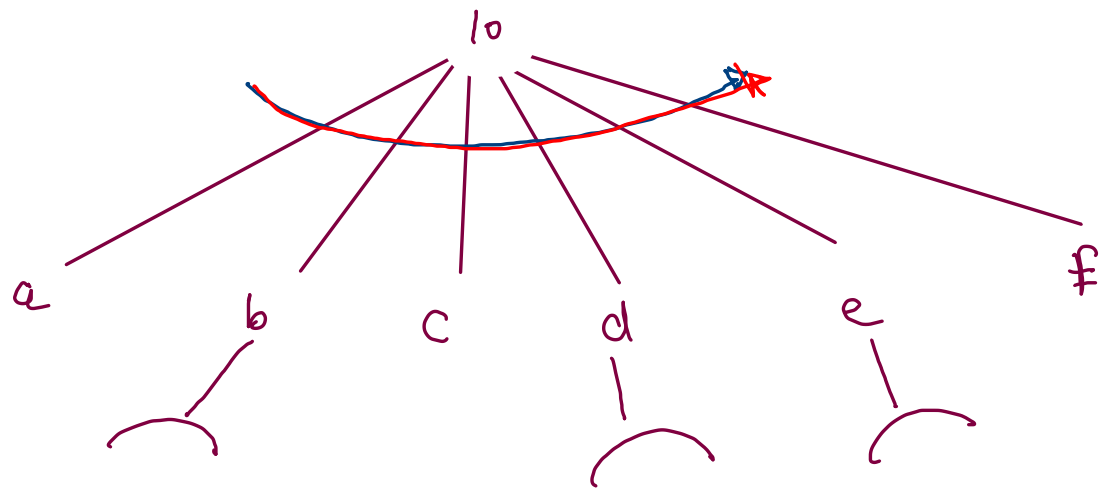
} →

self work

faith

} Pre Order

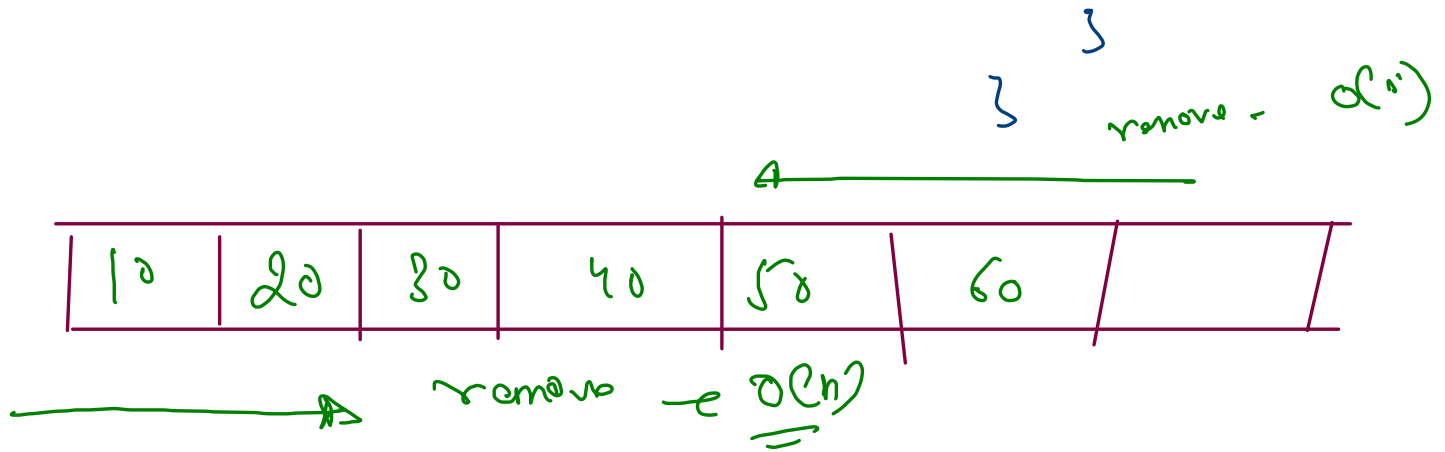
child.children.size() == 0  
child is leaf  
Node



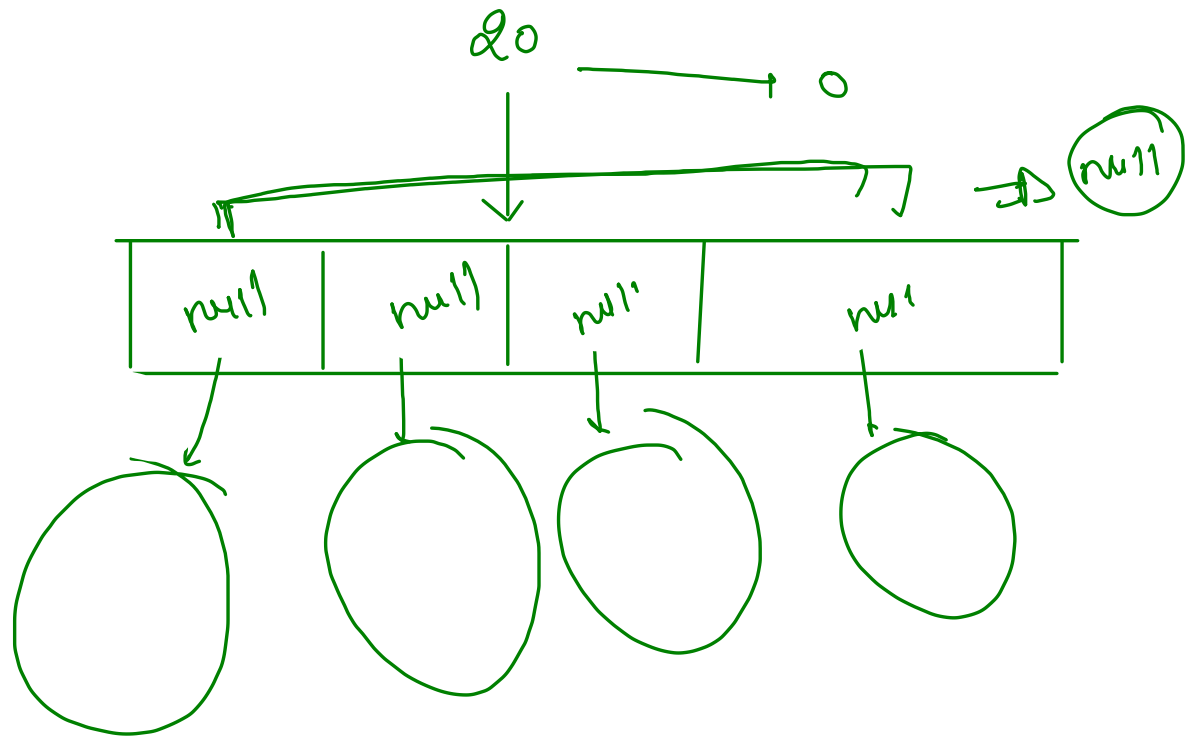
generator

```

for(Node child: mode.children) {
  if(child.children.size() == 0) {
    mode.children.remove(child);
  }
}
  
```

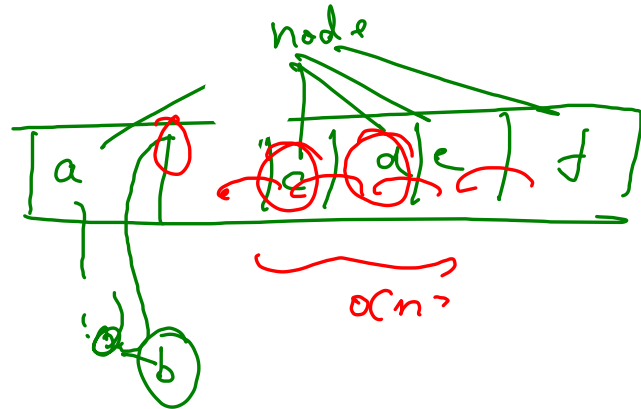
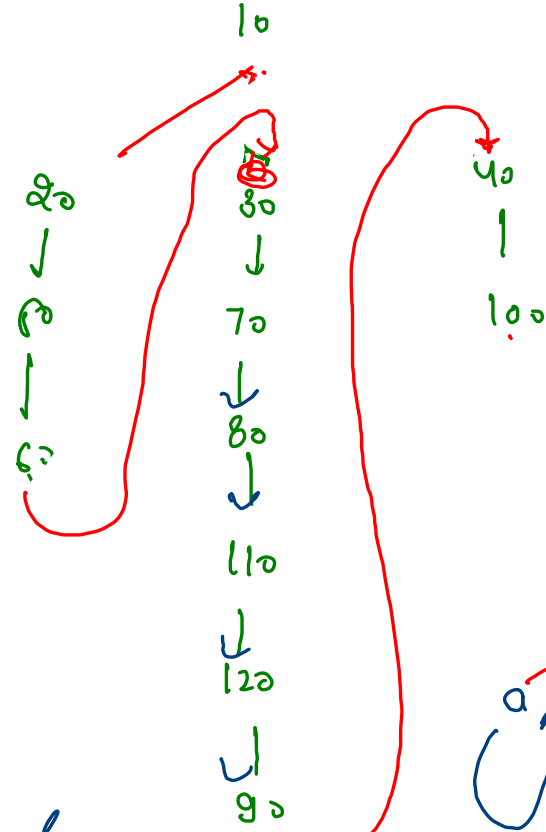
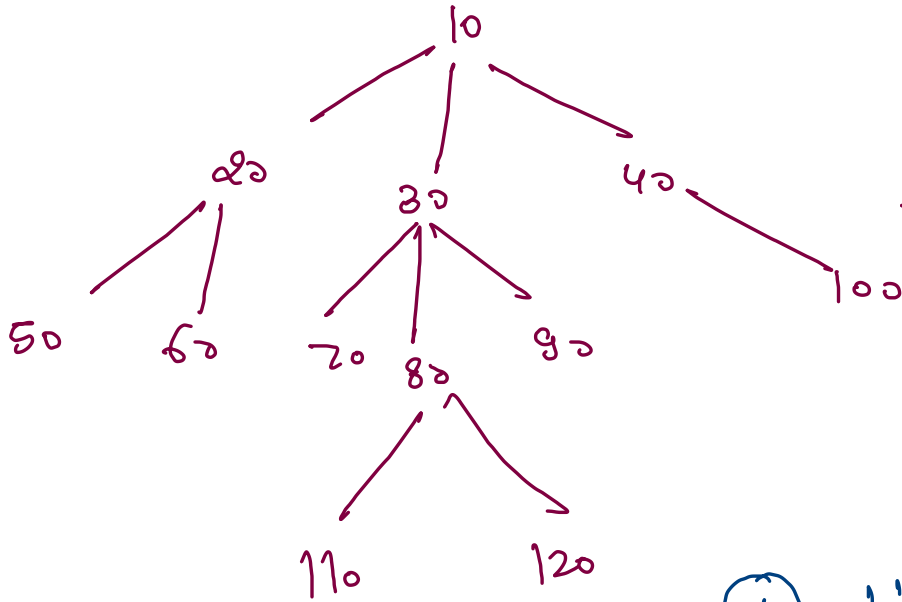


20 → null - - -



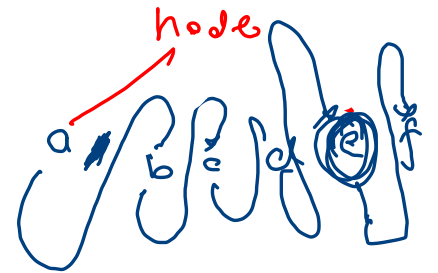
# Linearize Gener qc Tree

## Get Tail's

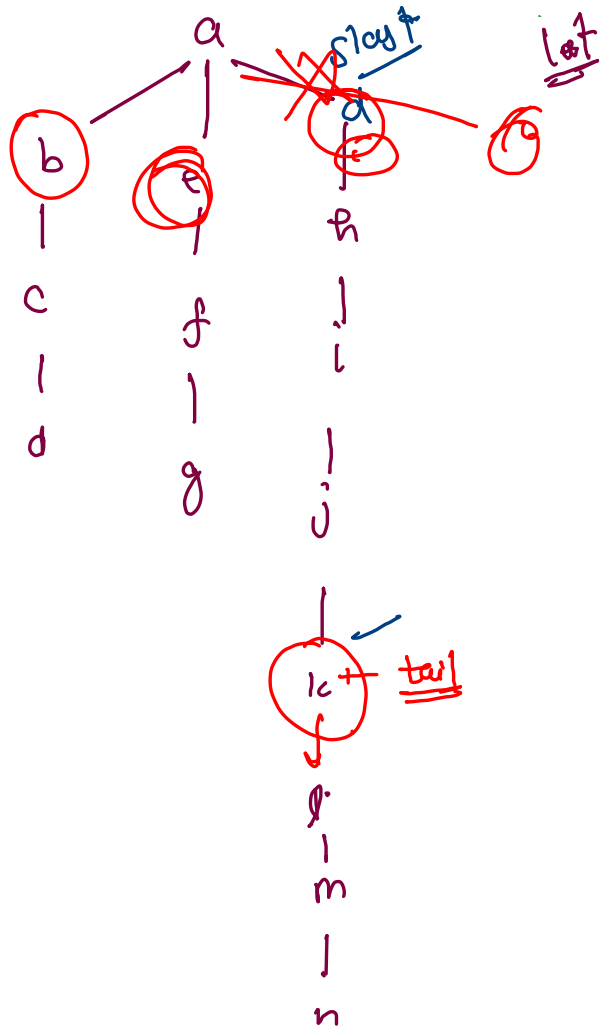


① Linearize recursive child

② attach head of tail for linearisation



Backward to first ?? why



for(int i=arr.length-2; i>=0; i--) {  
 Node rem = remove Last Node  
 get tail for left Node  
 k.children.add(rem);

2

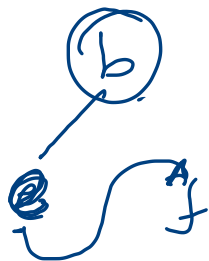
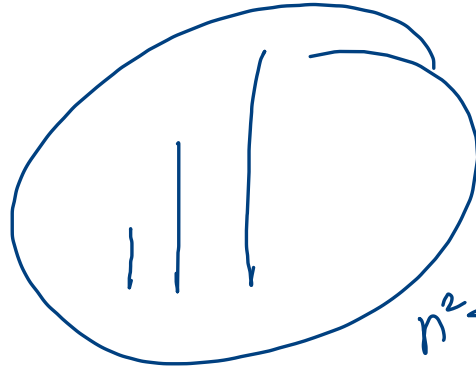
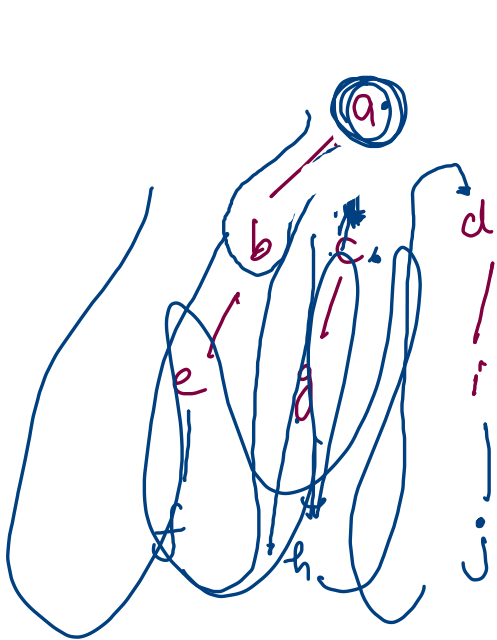
```

public static Node getTail(Node node) {
    Node tail = node;

    while(tail.children.size() != 0) {
        tail = tail.children.get(0);
    }

    return tail;
}

```



```

public static Node getTail(Node node) {
    Node tail = node;

    while(tail.children.size() != 0) {
        tail = tail.children.get(0);
    }

    return tail;
}

public static void linearize(Node node){
    for(Node child : node.children) {
        linearize(child);
    }

    for(int i = node.children.size() - 2; i >= 0; i--) {
        Node last = node.children.get(i + 1); // last
        Node slast = node.children.get(i);    // second last

        node.children.remove(i + 1);
        Node tail = getTail(slast);

        tail.children.add(last);
    }
}
  
```



