Initial Tree
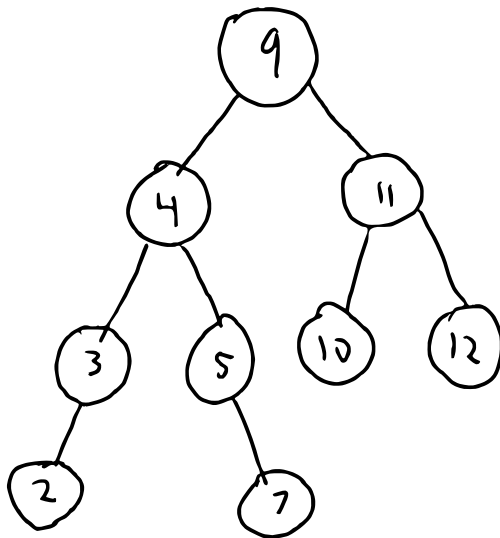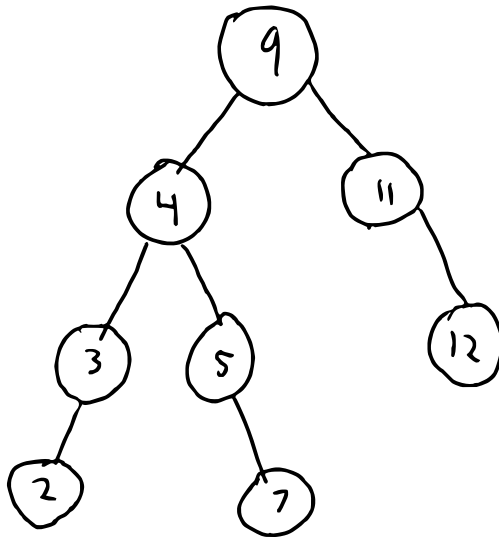

After Remove 10

Insert 13

```
          9
         / \
        4   12
       / \   / \
      3   5 11  13
     /   /
    2   7
```
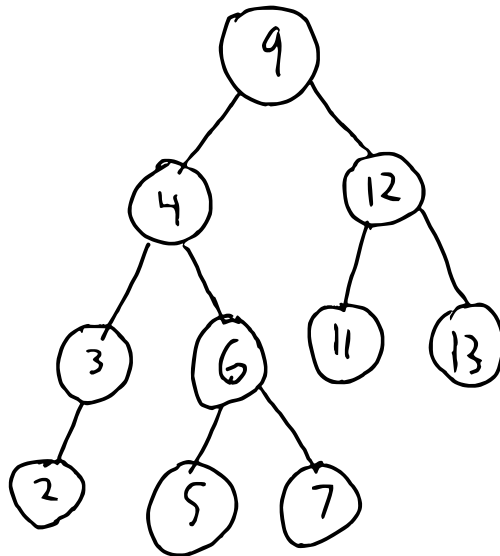

Insert 6

```
          9
         / \
        4   12
       / \   / \
      3   6 11  13
     /   / \
    2   5   7
```

Remove 9

7
4   12
3 6 11 13
2 5
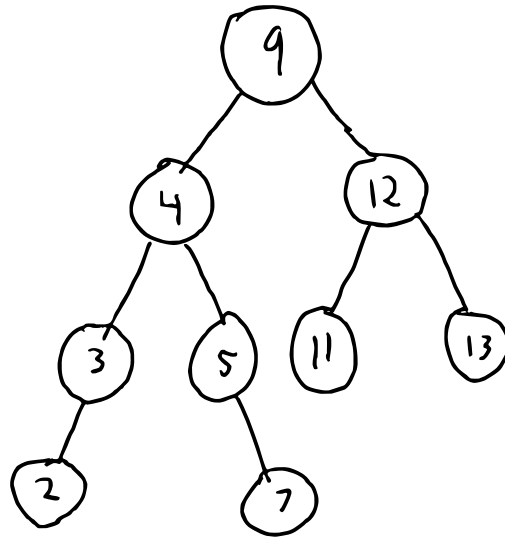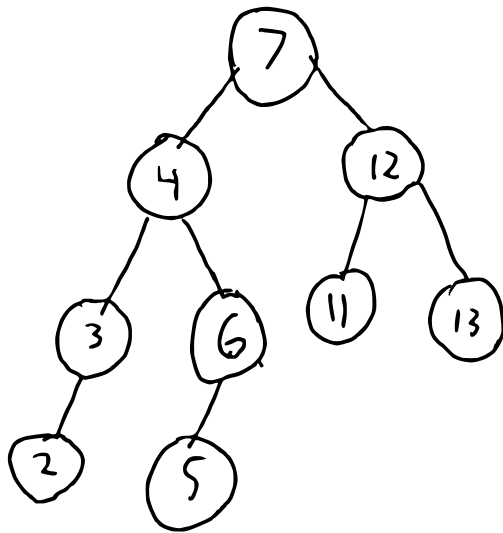
Insert 14

7
4   12
3 6 11 13
2 5   14
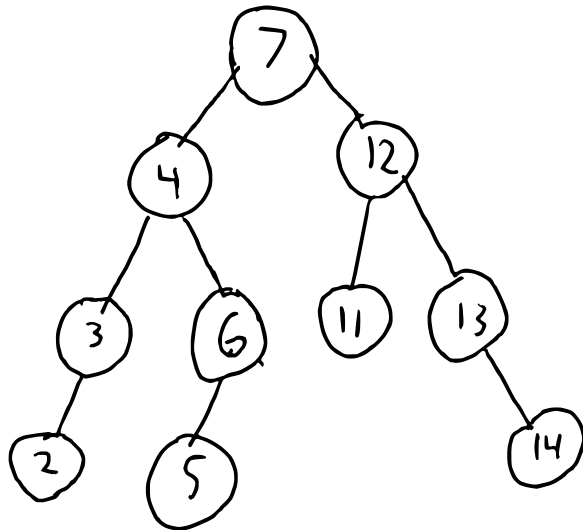
Final AVL Tree
After Remove 11