

5.



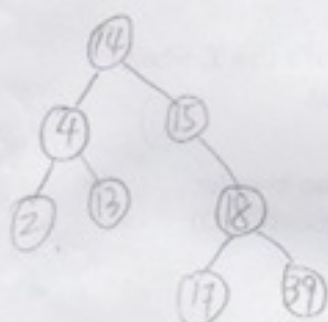
Traversal:

pre-order: 18, 3, 0, 2, 11, 12, 25, 222, 34, 30, 40

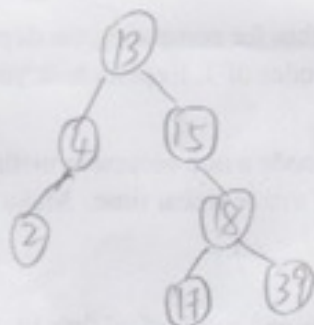
post-order: 2, 0, 12, 11, 3, 30, 40, 34, 222, 25, 18

In-order: 0, 2, 3, 11, 12, 18, 25, 30, 34, 40, 222

8.

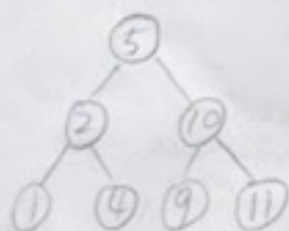


Binary Search Tree

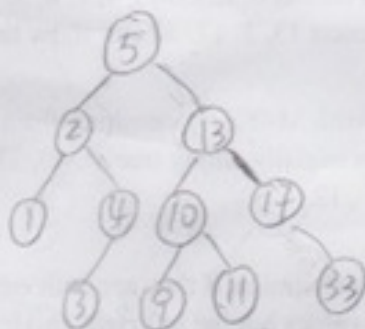


After deleting the root.

9.

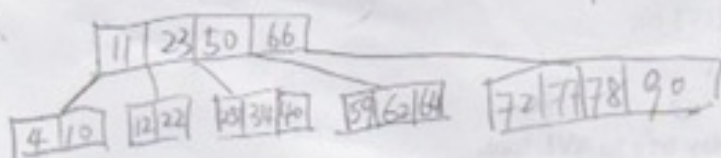


AVL Tree



After inserting 13, 3, 17, 33

10.



B-tree

 $M=5, L=7$