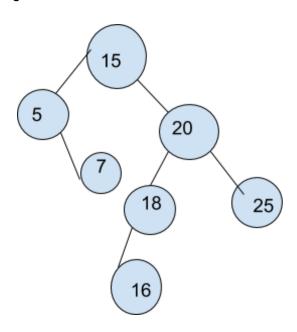
5.13)

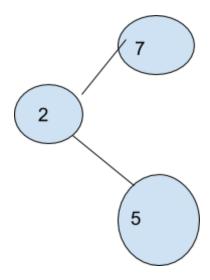
- a) Overhead fraction = bytes of pointers/ total bytes, so 12/16 =.75.
- b) 8/24 = .33
- c) (4 + 12 pointer bytes) / (12 + 20 pointer bytes) = .5
- d) (8 pointer bytes) / (8 + 8 pointer bytes) = .5
- 5.14) It would cause an issue with the transversal of the tree, since inorder traversal prints the tree from left->root->right.

5.15) a)

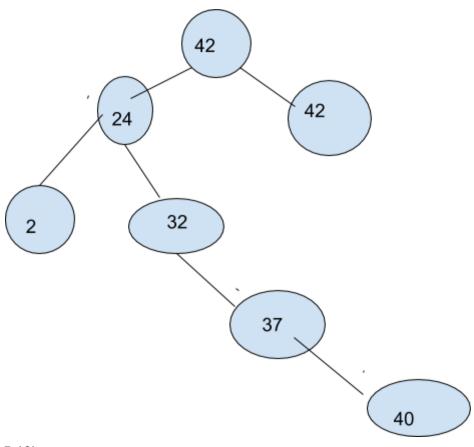


b) preorder: 15 5 7 20 18 16 25 Inorder: 5 7 15 16 18 20 25 Postorder: 7 5 16 18 25 20 15

5.16) This is the segment where 5 would be inserted starting at the node 7 from the given figure.



5.17) I will show the segment starting with the node 42.



5.18)

```
Public static Node Descending(Node n){
    if (n == null) return;
    Descending(n.right);
    System.out.print(n.data + " ");
    Descending(n.left);
}
```