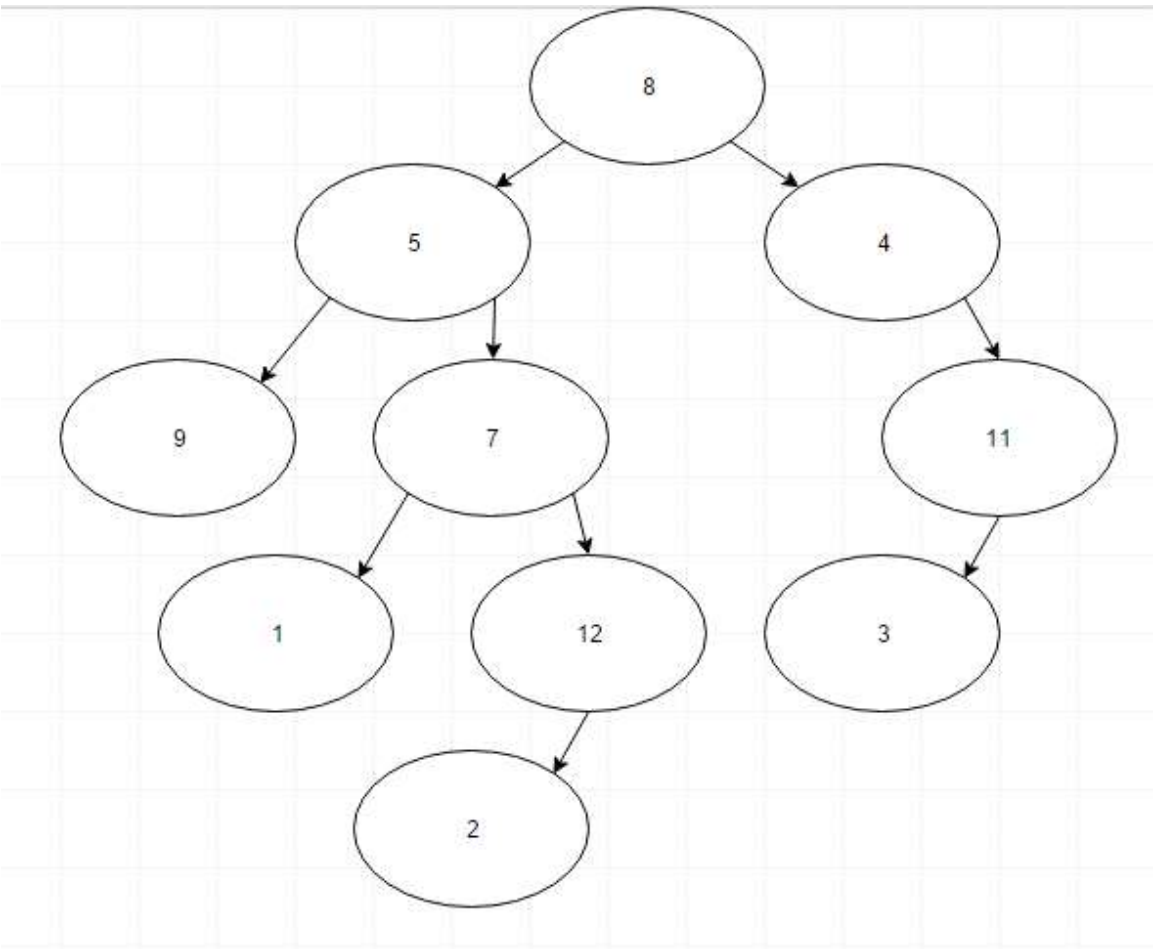

walk backwards through postOrder

8 is first, insert as root

4 is next, it is right of 8 in inOrder, so insert as right child node of 8

11 is next, it is right of 4 in inOrder, so insert as right child node of 4

3 is next, it is left of 11 inOrder, so insert as left child node of 11

5 is next, it is left of 8 in inOrder, so insert as left child node of 8

7 is next, it is right of 5 in inOrder, so insert as right child node of 5

12 is next, it is right of 7 in inOrder, so insert as right child node of 7

2 is next, it is left of 12 in inOrder, so insert as a left child node of 12

1 is next, it is left of 7 in inOrder, so insert as a left child node of 7

9 is next, it is left of 5 in inOrder, so insert as a left child node of 5

{9 , 5 , 1 , 7 , 2 , 12, 8 , 4 , 3 , 11}

{9 , 1 , 2 , 12, 7 , 5 , 3 , 11, 4 , 8 }