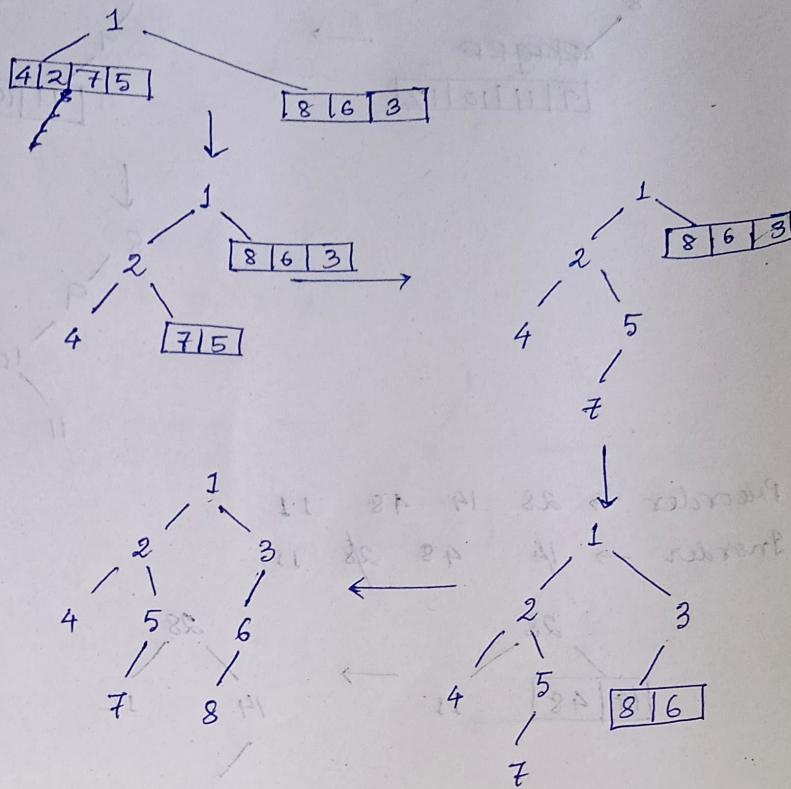
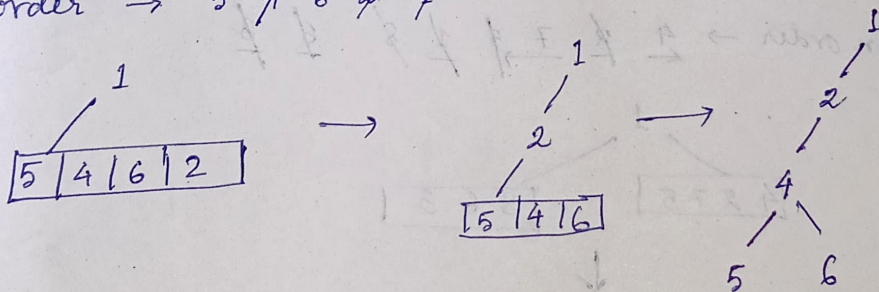


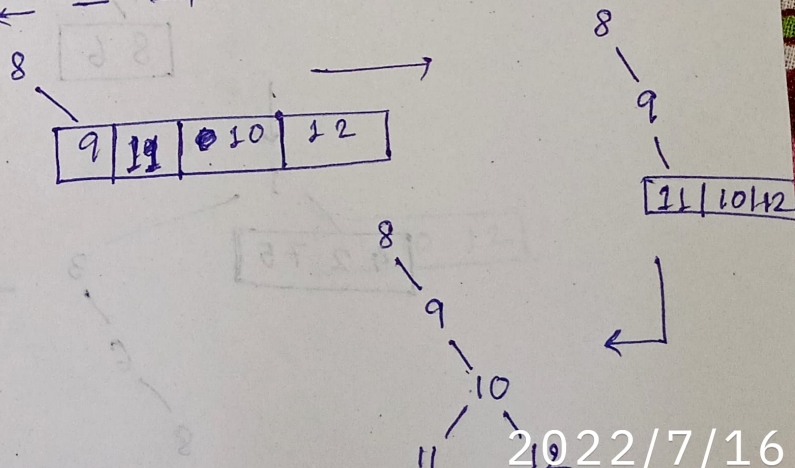
(a) Pre-order $\rightarrow 1 \cancel{2} 4 \cancel{7} \cancel{7} \cancel{7} \cancel{8} \rightarrow R \rightarrow L \rightarrow R$
 Inorder $\rightarrow \cancel{4} \cancel{2} \cancel{7} \cancel{7} \cancel{8} \cancel{6} \cancel{3} \rightarrow L \rightarrow R \rightarrow R$



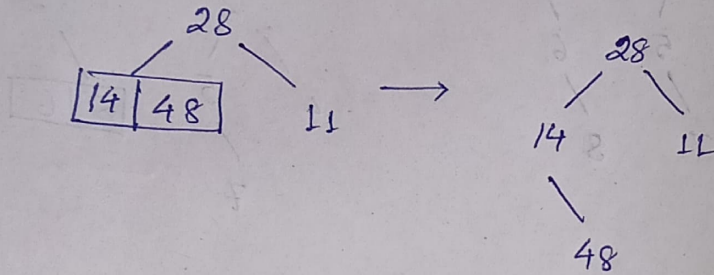
(b) Preorder $\rightarrow 1 \cancel{2} 4 5 6$
 Inorder $\rightarrow 5 \cancel{4} 6 \cancel{2} \cancel{1}$



(c) Preorder $\rightarrow \cancel{8} \cancel{9} \cancel{10} 11 12$
 Inorder $\rightarrow \cancel{8} \cancel{9} \leftarrow 11 \xrightarrow{10} 12$

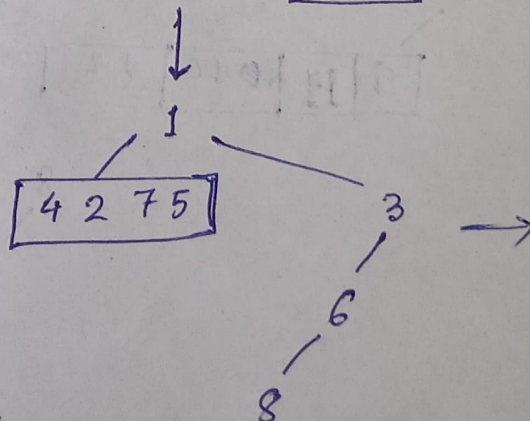
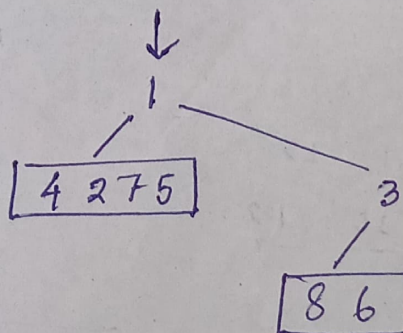
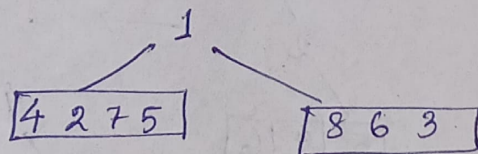


④ Preorder $\rightarrow 28 \ 14 \ 48 \ 11$
 Inorder $\rightarrow 14 \ 48 \ 28 \ 11$



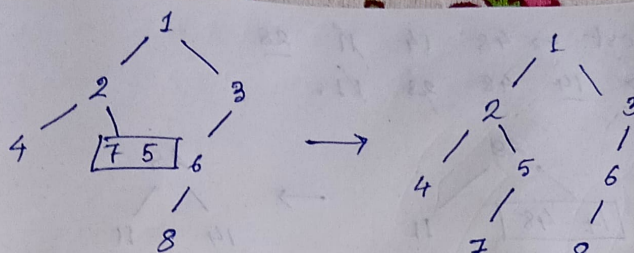
⑤ L \rightarrow R \rightarrow Rt

① Post order $\rightarrow 4 \ 7 \ 5 \ 8 \ 6 \ 3 \ 1$
 (L \rightarrow Rt \rightarrow R) In order $\rightarrow 4 \ 7 \ 5 \ 8 \ 6 \ 3 \ 1$

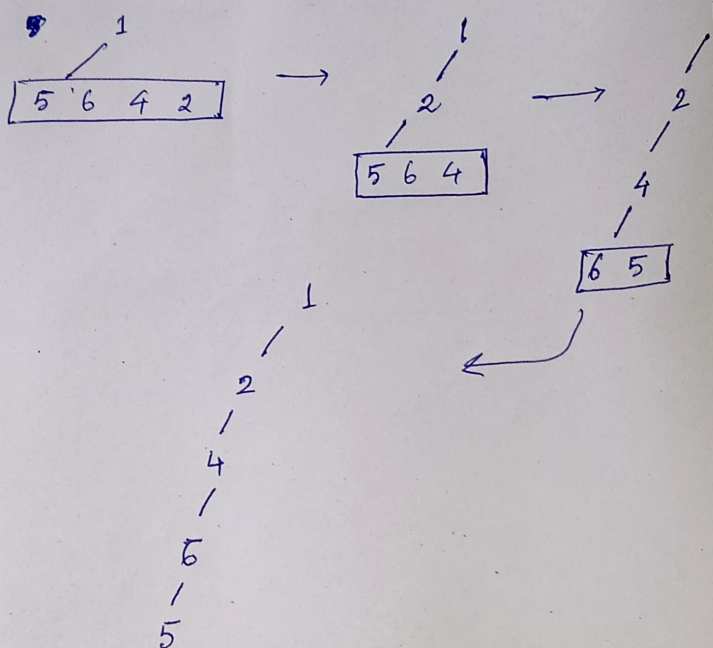


⑥ Post -
 In \rightarrow

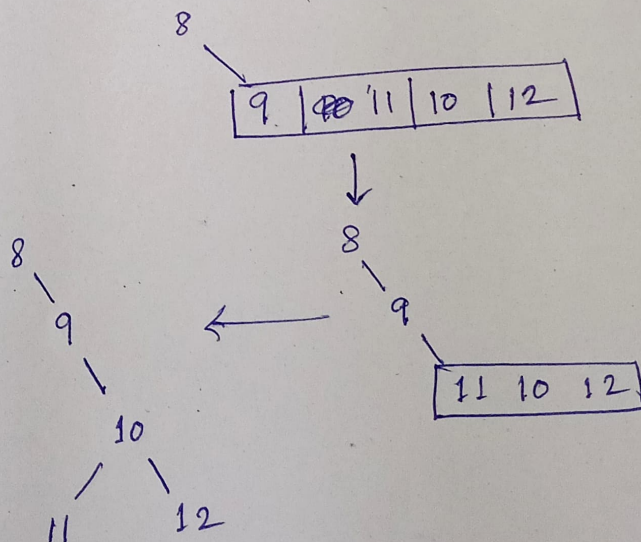
11 | 10 | 12



⑥ Post → 5 6 4 2 1
In → 5 6 4 2 1



⑦ Post → 11 12 10 9 8
In → 8 9 11 10 12



(d) ~~48~~ Post \rightarrow 48 14 11 28
 In \rightarrow 14 48 ~~28~~ 11.

