

S 303 Assignment 4 (Cameron O'Dell)

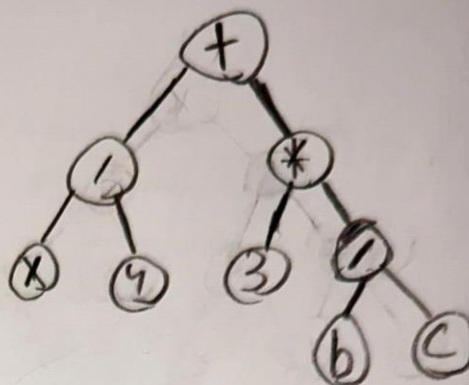
Q.

a) Inorder traversal $x/y + b^*c/l$
 Traverse T_L , visit Root, Traverse T_R

$$T_L = x/y$$

$$\text{Root} = +$$

$$T_R = b^*c/l$$

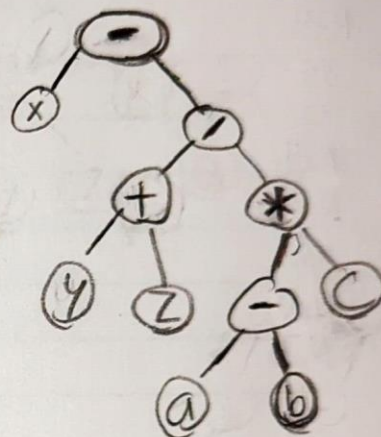


b) Postorder traversal $x/yz + ab - c^*/-$
 Traverse T_L , traverse T_R , visit root node

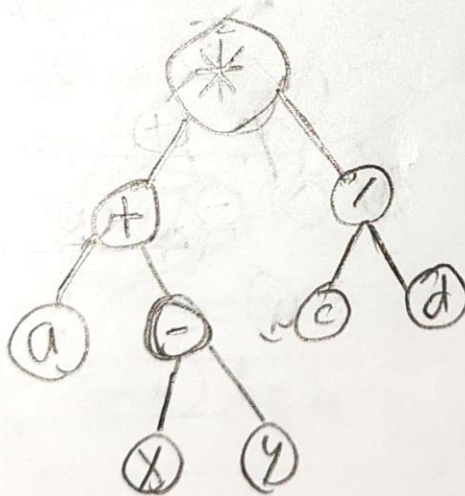
$$T_L = x/yz +$$

$$T_R = ab - c^*/$$

$$\text{Root} = -$$



c) Preorder traversal $* / a - x/y / c/d$
 Visit root node, traverse T_L , traverse T_R



Q2

30
15
4
Null
Null
20
18
Null
19
Null
Null
Null
35
32
Null
Null
38
Null
Null

