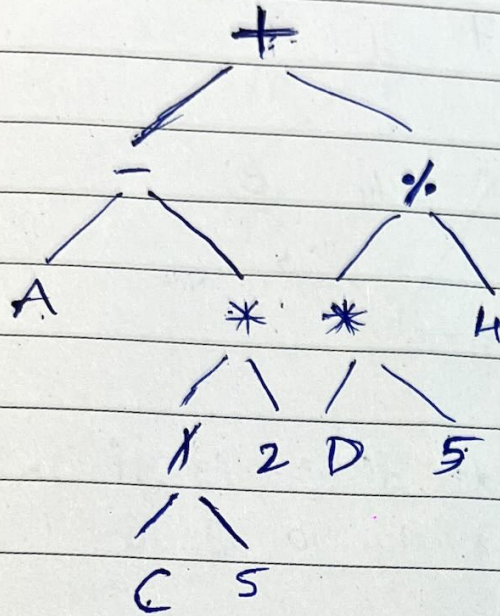


1)

Inorder: ~~R~~

$$(\text{RLR})(\text{LRR}) = A - C/5 * 2 + D * 5 - 4$$

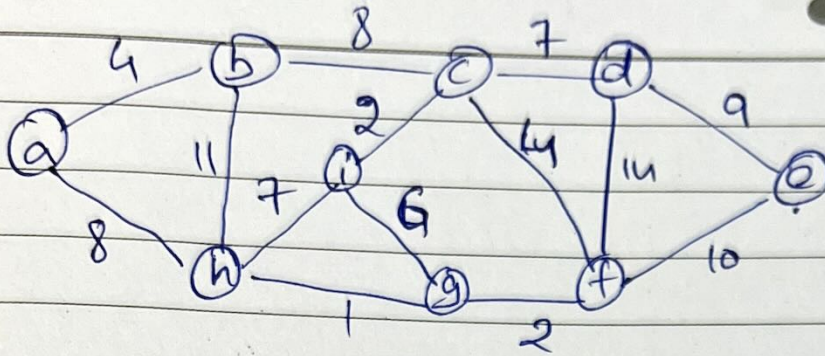
Pre-order =

$$(\text{Root Left Right}) \quad + - A * / C 5 2 * * D 5 4$$

(Post-order)

$$(\text{LR Root}) = A C 5 / 2 * - D 5 * 4 * +$$

2)



→

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| ab | ah | bc | bh | hi | hg | cd | cf | ic | ig | gf |
| 4 | 8 | 8 | 11 | 7 | 1 | 7 | 4 | 2 | 6 | 2 |
| df | de | fe | | | | | | | | |
| 14 | 9 | 10 | | | | | | | | |

Sorting = hg 1, ic 2, gf 2, ab 4, cf 4, ig 6, hi 7, cd 7, ah 8, bc 8, de 9, fe 10, bh 11, df 14

