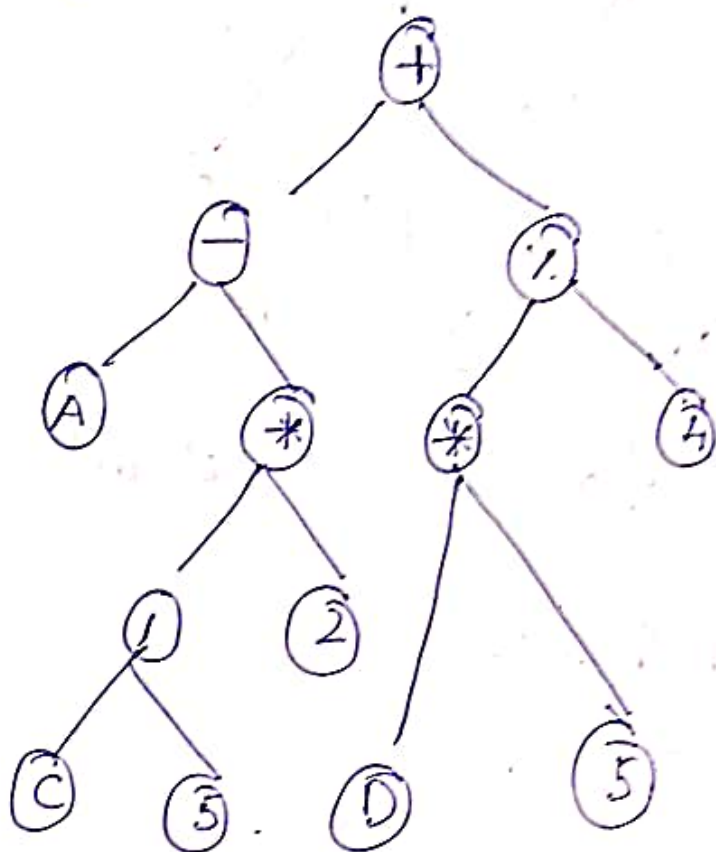


DSA Algorithm

1) Linear.

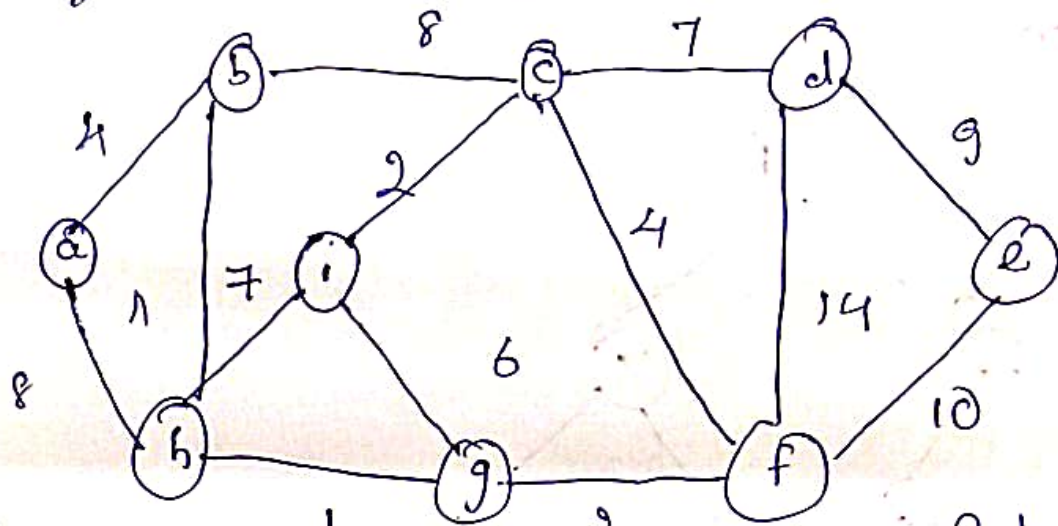


Inorder: $A - C / 5 * 2 + D * 5 \% 4$

Preorder: $+ - A * / C 5 2 \% * D 5 4$

Postorder: $A C 5 / 2 * - D 5 * 4 \% +$

(2) Lines.



Step 1) Order of edges from low to high with weight

$(h, g) - 1$	$(h, i) - 7$
$(g, f) - 2$	$(b, c) - 8$
$(c, i) - 2$	$(a, h) - 8$
$(c, f) - 4$	$(d, e) - 9$
$(a, b) - 4$	$(e, f) - 10$
$(i, g) - 6$	$(b, h) - 11$
$(c, d) - 7$	$(d, f) - 14$

Step - 2

$(h, g) - 1$	(added)
$(g, f) - 2$	(added)
$(c, i) - 2$	(added)
$(a, b) - 4$	(added)

- $(c, f) - 4$ (added)
 $(i, g) - 6$ (not added)
 $(c, d) - 7$ (added)
 $(h, i) - 7$ (not added)
 $(b, c) - 8$ (not added)
 $(a, h) - 8$ (added)
 $(d, e) - 9$ (added)
 $(e, f) - 10$ (not added)
 $(b, h) - 11$ (not added)
 $(d, f) - 14$ (not added)

Final answer

