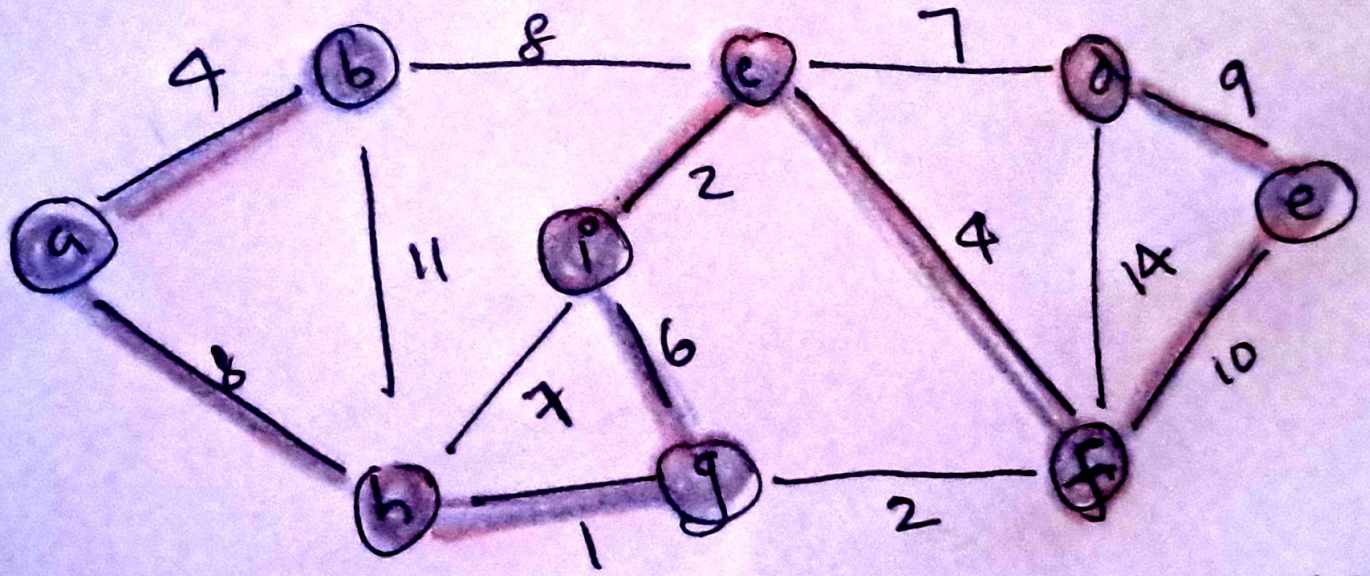
In the given graph, visit the nodes with their weights using Kruskal's algorithms. Traverse it using pen & paper.



Step 1: (h,g) = 1 (B,f) = 4 (h,i) = 7 (d,e) = 9 (d,f) = 14

(c,i) = 2 (a,b) = 4 (e,d) = 7 (f,e) = 10 (a,h) = 8

(g,f) = 2 (g,i) = 6 (b,e) = 8 (b,h) = 11

Step 2: (c, i) → (c, f) → (f, e) → (e, d)

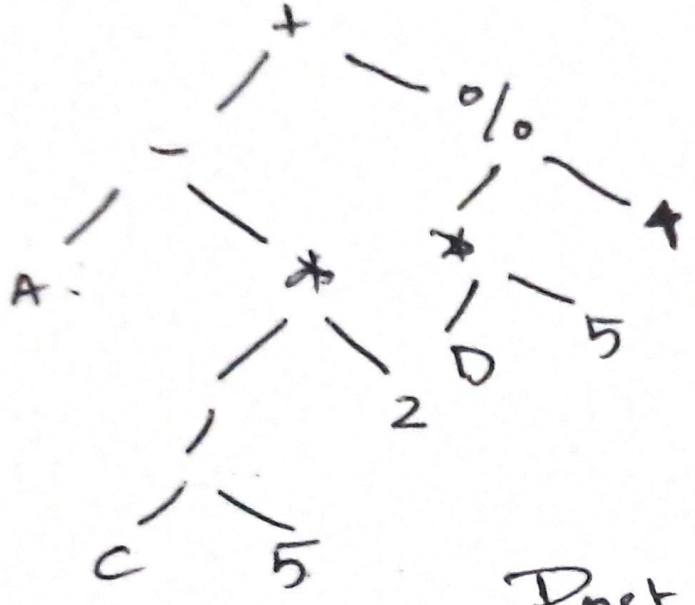
2 4 10 9

(i, g) → (h, g) → (a, h) → (a, b)

6 1 8 4

Step 3: $2 + 4 + 10 + 9 + 6 + 1 + 8 + 4 = \underline{\underline{44}}$

Traverse the given expression tree with Inorder, Preorder, Postorder.



Inorder [Left, Root, Right].

A - C / 5 * 2 + D * 5 % 4.

Preorder [Root, Left, Right]

+ - A * / 2 % * D 5 4

Post order [Left, Right, Root].

~~A C 5 / 2 * - D 5 * 4 % +~~

A C 5 / 2 * - D 5 * 4 % +