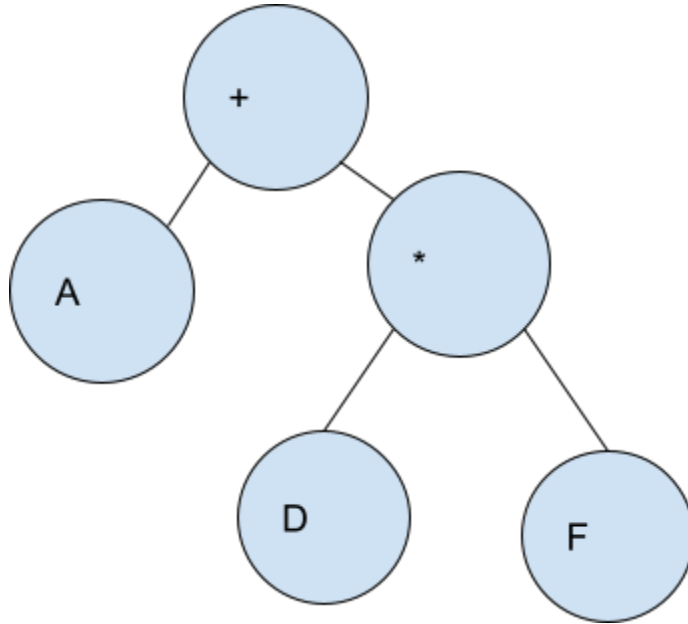


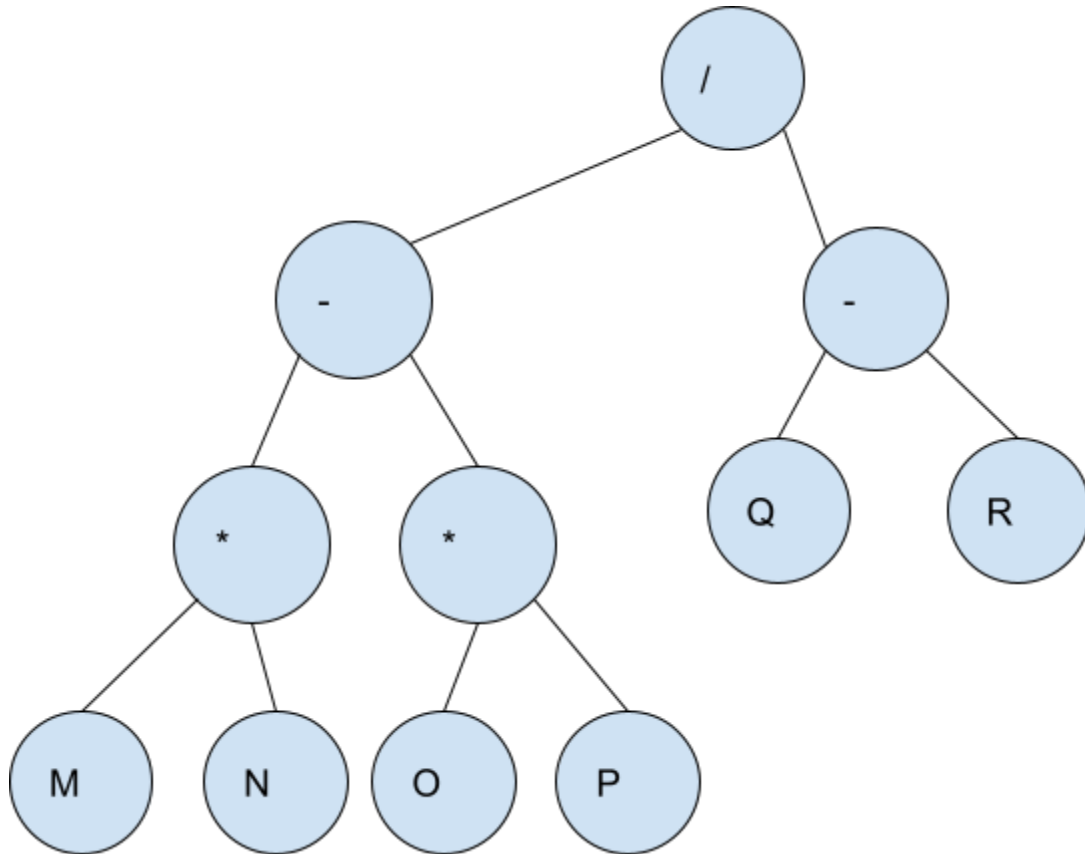
LAB 9: SORTING

1. Draw an EXPRESSION TREE for the following expressions:

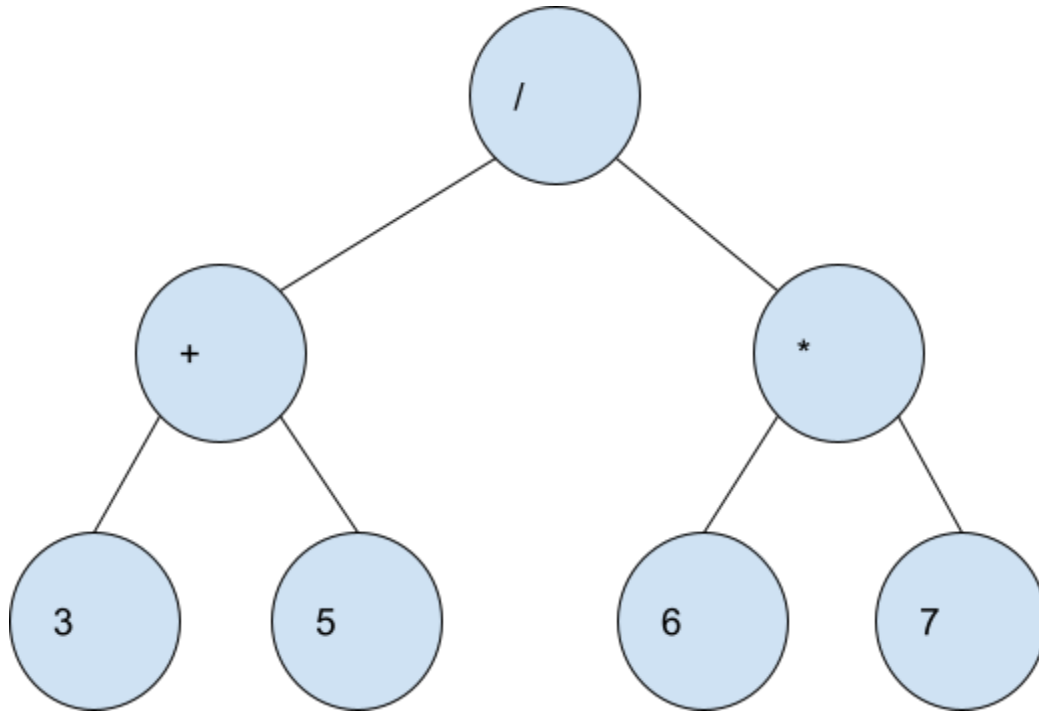
(a) $A + (D * F)$



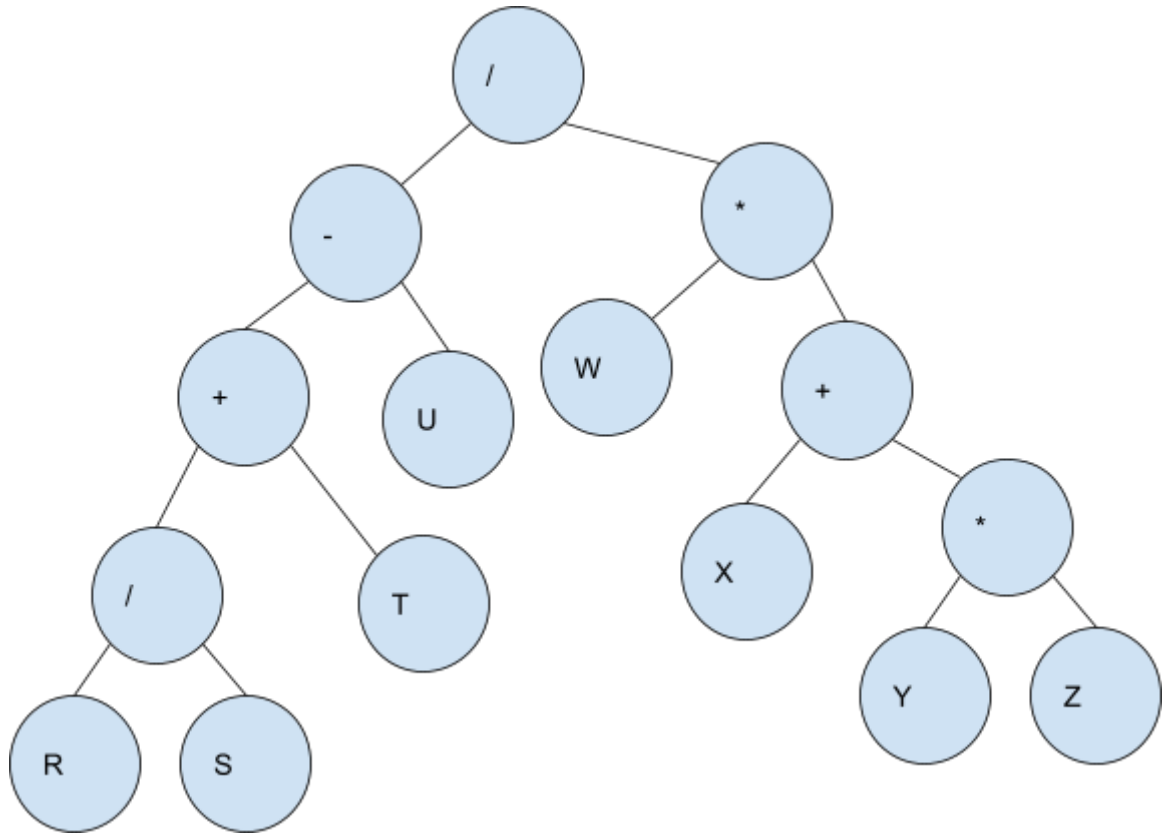
(b) $(M * N - O * P) / (Q - R)$



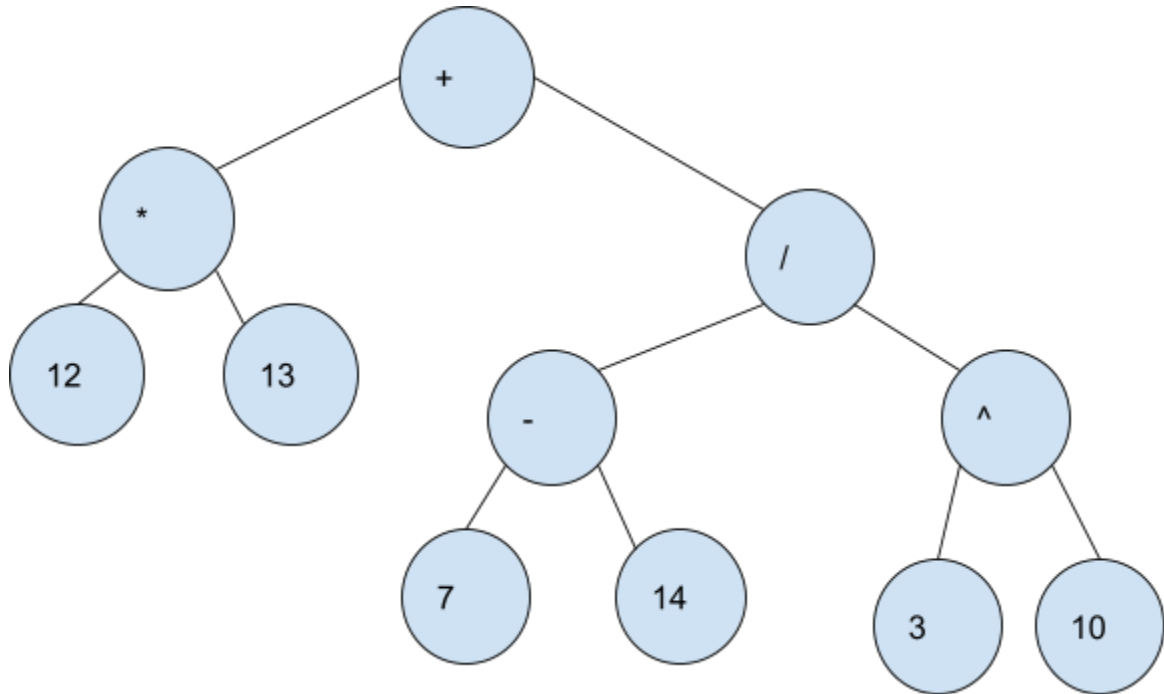
(c) $(5 + 3) / (7 * 6)$



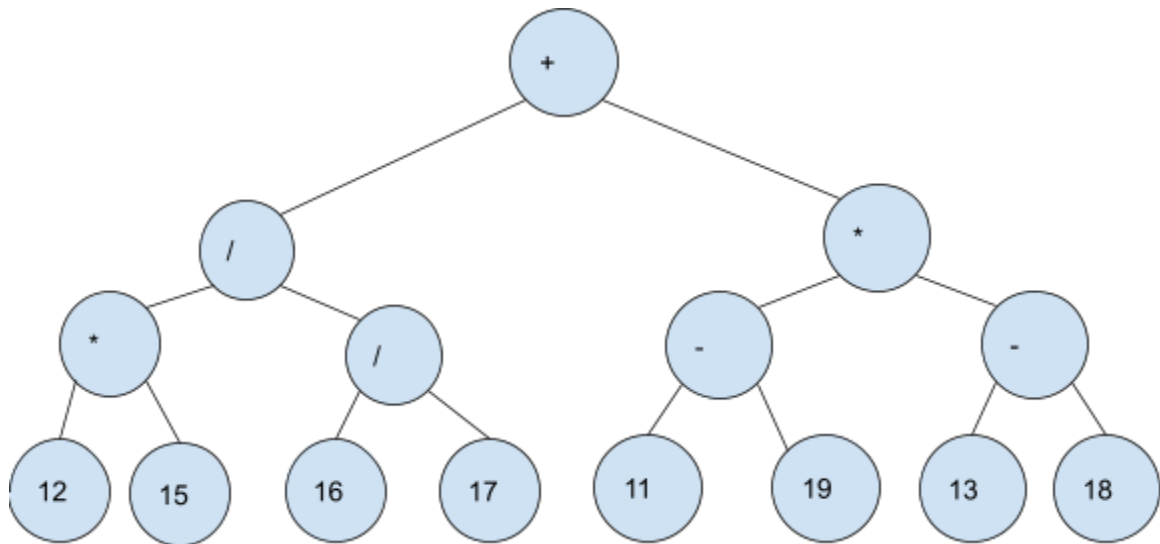
(d) $(R / S) + T - U / W * (X + Y * Z)$



(e) $12 * 13 + ((14 - 7) / (10 ^ 3))$



(f) $(12 * 15 / (16 / 17)) + ((19 - 11) * (13 - 18))$



Submission Question

Refer to Figure 1, answer the following questions:

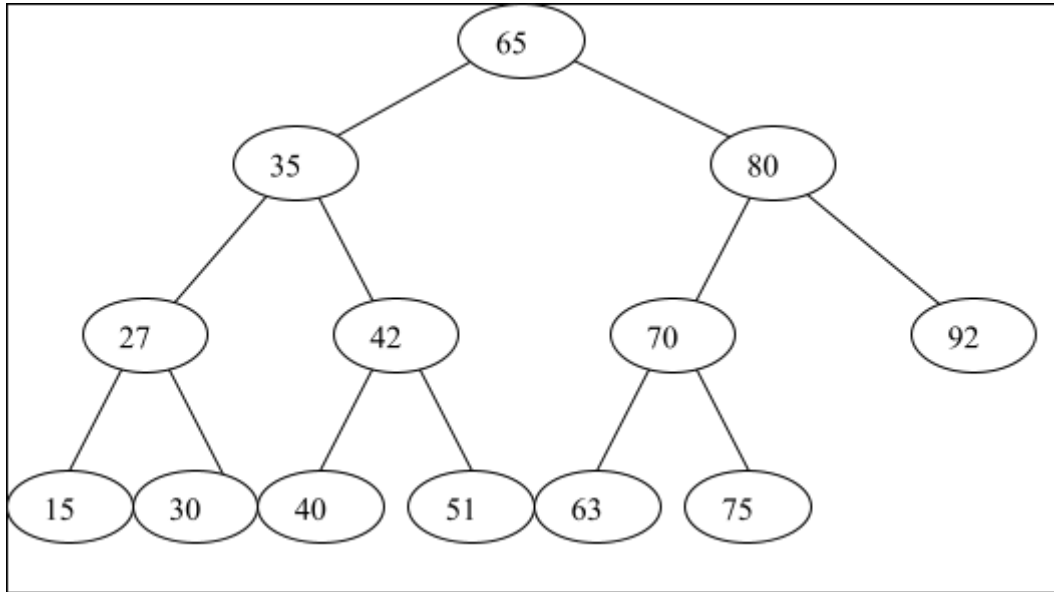


Figure 1: Binary tree

- a) Inserting new node: 61
- b) Inserting new node: 53
- c) Inserting new node: 90
- d) Inserting new node: 72
- e) Inserting new node: 29
- f) Delete node: 35
- g) Delete node: 70

