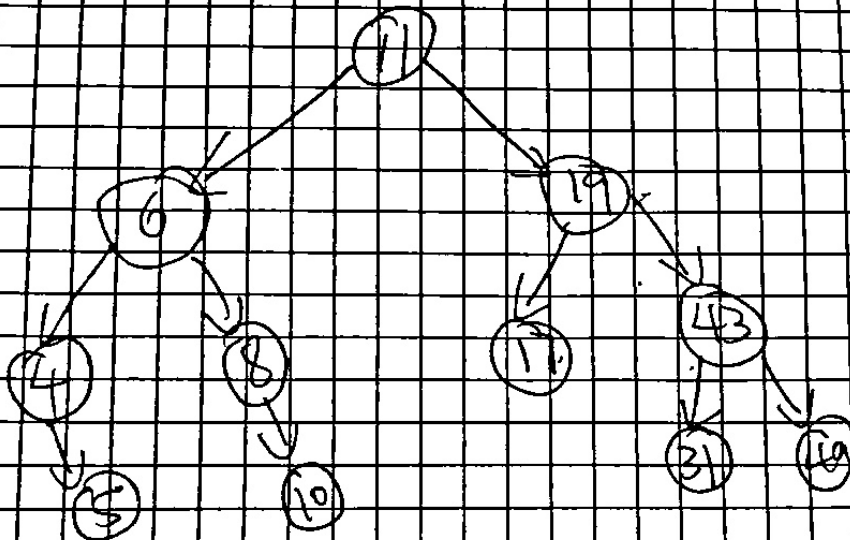


6. 11, 6, 4, 5, 8, 10, 19, 17, 43, 31, 49

Preorder:

Inorder: 4, 5, 6, 8, 10, 11, 17, 19, 31, 43, 49



$$1. 0 \leftrightarrow 1 \leftrightarrow 2 \leftrightarrow 3 \leftrightarrow 4$$

$$2. a, \theta(1) \quad g, \theta(1)$$

$$b, \theta(1) \quad h, \theta(1)$$

$$c, \theta(1) \quad i, \theta(1)$$

$$d, \theta(1)$$

$$e, \theta(1)$$

$$f, \theta(1)$$

3. name = get and remove second last

4. a. Preorder: A B D E G F

Inorder: B D A G E C F

Post order: D B G E F C A

b) A B C D E F G

c) 3

d) E-2, B-1, G-3

$$5. \begin{array}{ccccccc} & & & x & & & \\ & + & & & - & & \\ 3 & 4 & 2 & 5 & & & \\ a) & & & & & & \end{array} \quad \left\{ \begin{array}{cccc} c & a & a & 2 \end{array} \right.$$

$$b) \begin{array}{cccc} & + & & \\ 3 & * & 2 & 4 & 6 \end{array}$$