Rajiv

Construct Binary Tree

1. InOrder : {2, 1, 3}
   Post-Order: {2, 3, 1}

2. InOrder : {4, 8, 2, 5, 1, 6, 3, 7}
   Post-order : {8, 4, 5, 2, 6, 7, 3, 1}

3. InOrder : {4, 2, 1, 7, 5, 8, 3, 6}
   Post-Order: {4, 2, 7, 8, 5, 6, 3, 1}

4. InOrder: {9, 3, 15, 20, 7}
   Post-order: {9, 15, 7, 20, 3}

5. InOrder : {4, 2, 5, 1, 6, 3, 7}
   Post-order: {4, 5, 2, 6, 7, 3, 1}

6. InOrder = {20, 30, 35, 40, 45, 50, 55, 60, 70}
   Post-order : {20, 35, 30, 45, 40, 55, 70, 60, 50}

7. Pre : {1, 2, 4, 8, 9, 5, 3, 6}
   Post : {8, 9, 4, 5, 2, 6, 7, 3, 1}

8. Pre : {1, 2, 4, 5, 3, 6, 8, 9, 7}
   Post : {4, 5, 2, 8, 9, 6, 7, 3, 1}

9. Pre : {a, b, c, d}   Post : {d, c, b, a}

10. Pre : {0, 1, 1, 1, 1}   Post : {1, 1, 1, 1, 0}

11. Pre : {1, 2, 3}   Post : {3, 2, 1}

12. Pre : {1, 4, 7, 6, 2, 5, 12, 3}
    Post : {6, 2, 7, 4, 3, 12, 5, 1}

13. Pre : { 1, 2, 3, 4, 5, 7, 6 }

Post : { 3, 4, 2, 7, 5, 6, 1 }

14. In Order : { 10, 12, 20, 30, 37, 40, 45 }

PreOrder : { 30, 20, 10, 12, 40, 37, 45 }

15. Pre : { 1, 2, 4, 5, 3, 6, 7 }

Post : { 4, 5, 2, 6, 7, 3, 1 }

16. ~~Pre : { 1, 2, 4, 5, 3, 6, 7~~

17. Pre : { a, b, c, d, e, f, g, h, i, j

k, l }

Post : { b, c, d, e, f, g, h, i, j

k, l, a }

18. Pre : { a, b, d, e, c, f, g }

~~B~~ In : { a, b, a, f, c, g }

19. Pre : { A, B, D, I, J, F, C, G, u, H }

Post : { I, J, D, F, B, u, G, H, c, A }

20 Pre : { 1, 2, 4, 8, 9, 10, 11, 5, 3, 6, 7 }

In ~~Post~~ : { 8, 4, 10, 9, 11, 2, 5, 1, 6, 3, 7 }