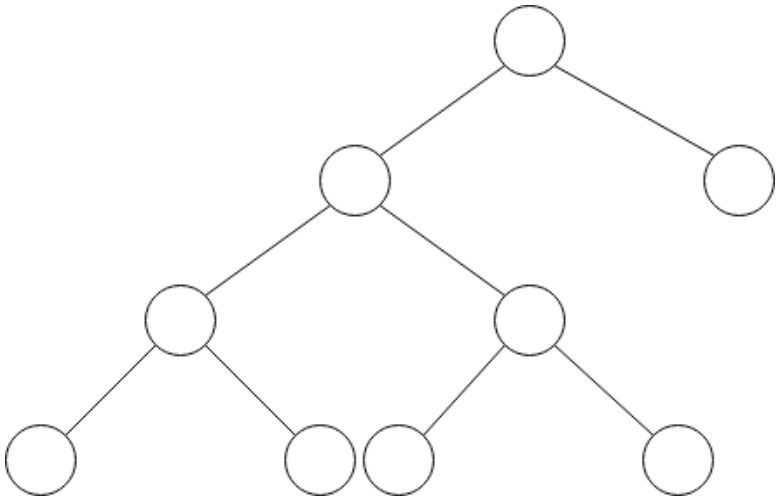
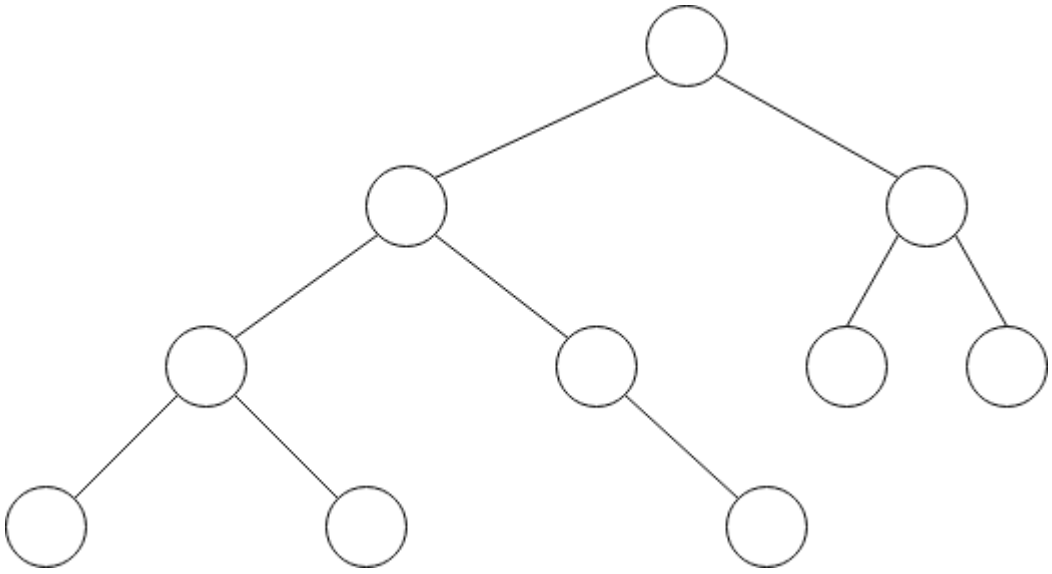
1. Explain 5 types of Binary Tree and draw each of them!
   - Full Binary Tree
     Binary tree yang memiliki 0 atau 2 anak.

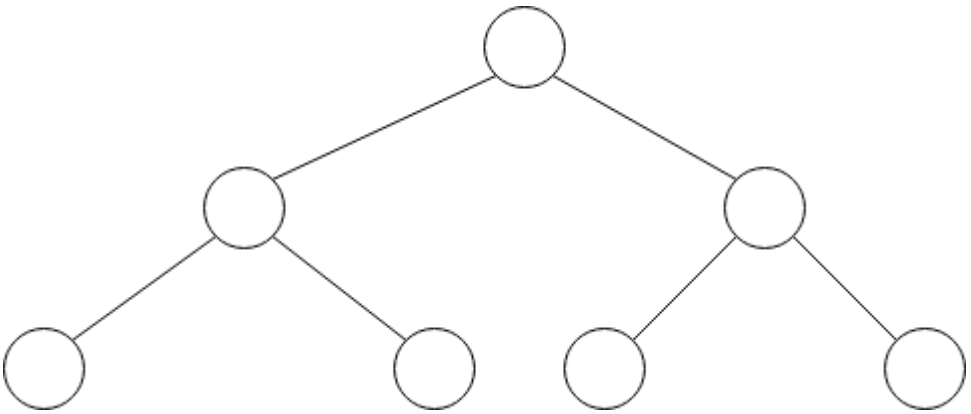


   - Complete Binary Tree
     Binary tree yang setiap tingkat dari treenya diisi dengan node kecuali tingkat paling rendah.



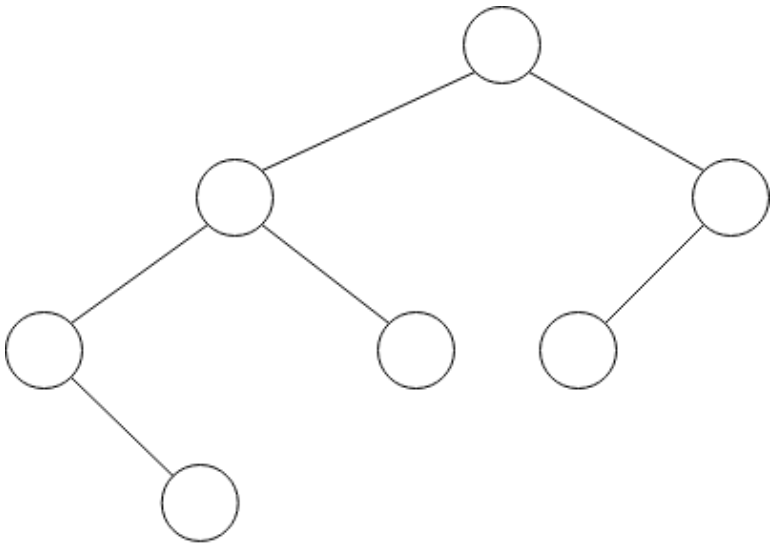
- Perfect Binary Tree

  Binary tree dimana setiap nodes dalam memiliki 2 anak dan setiap leaf node setingkat dalam tree.



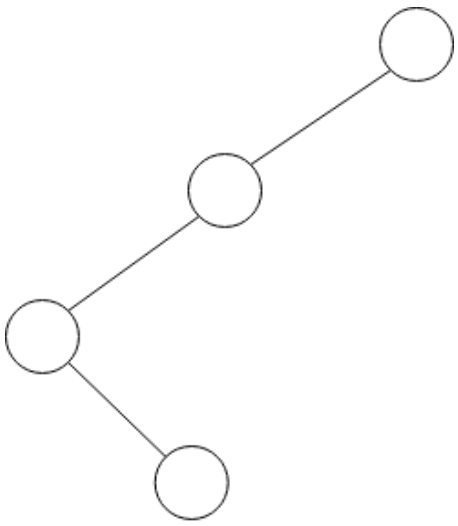
- Balanced Binary Tree

  Binary tree dengan ketinggian O(log N) , n itu jumlah nodes.

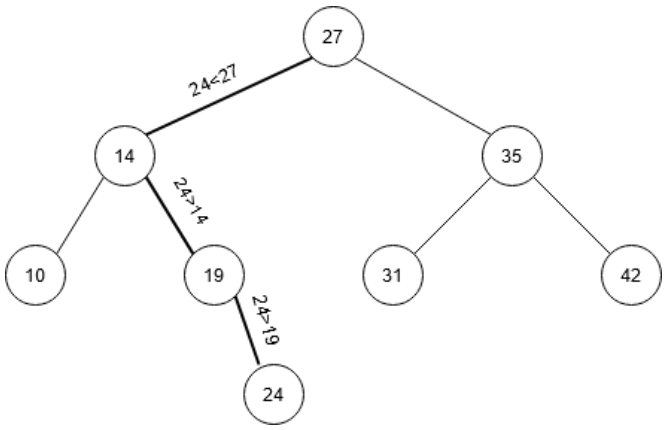


- Degenerate Binary Tree

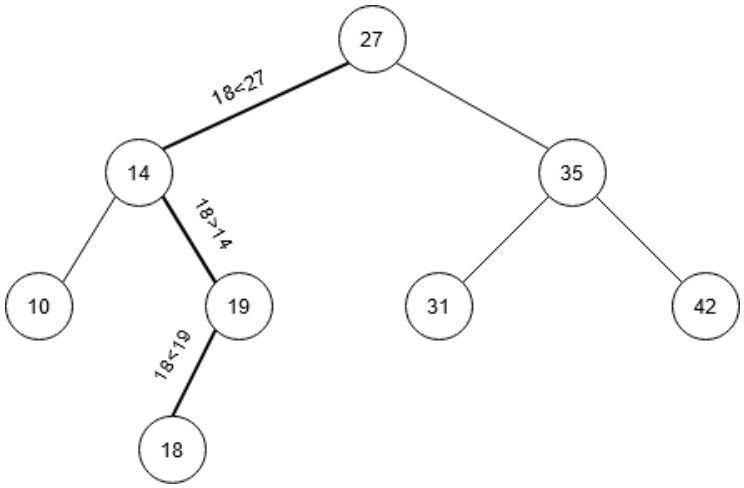
  Binary tree yang setiap node dalamnya memiliki 1 anak saja.



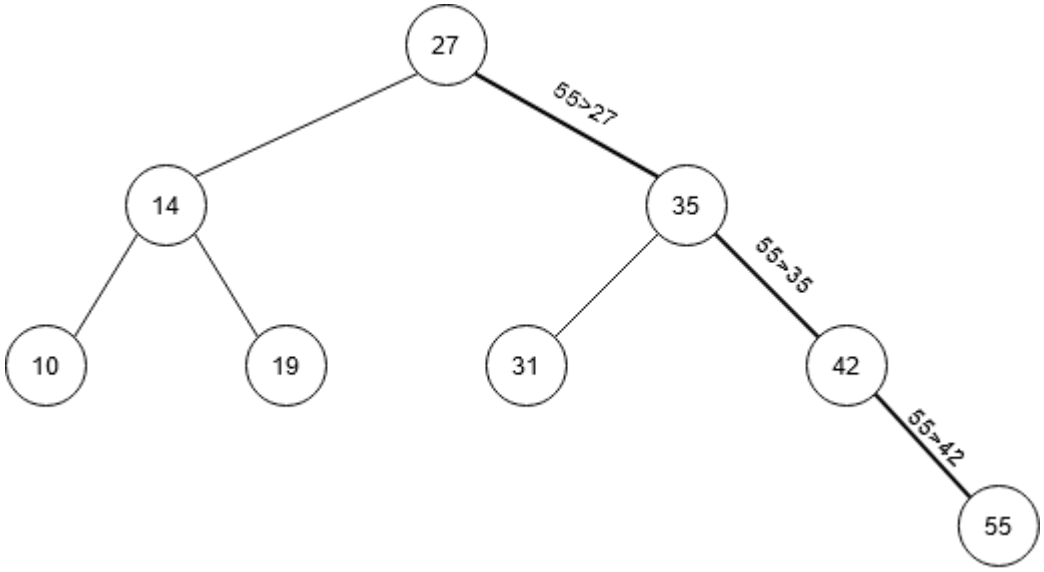
2. Simulate and explain clearly step by step the process of insertion: 24, 18, 55!
   Insert 24:



   Insert 18:



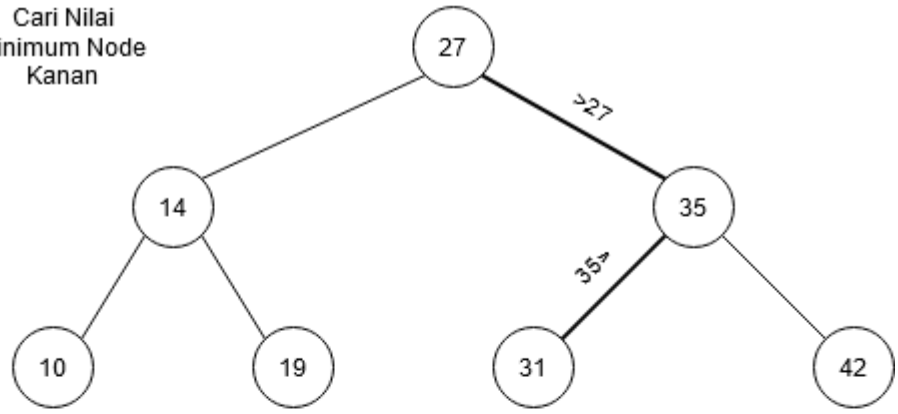
   Insert 55:



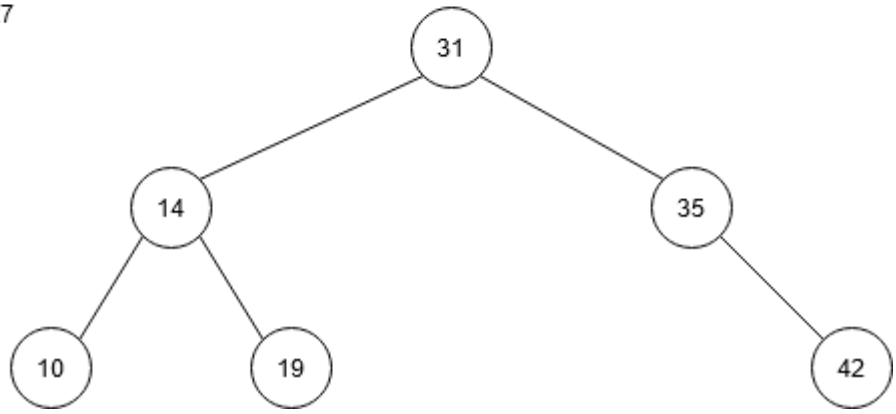
3. Simulate and explain clearly step by step the process of deletion: 27, 35, 42!

Deletion 27:

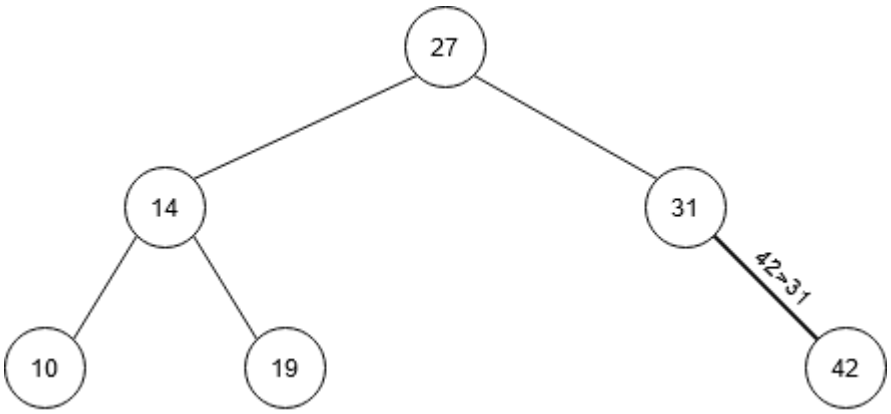
1. Cari Nilai Minimum Node Kanan



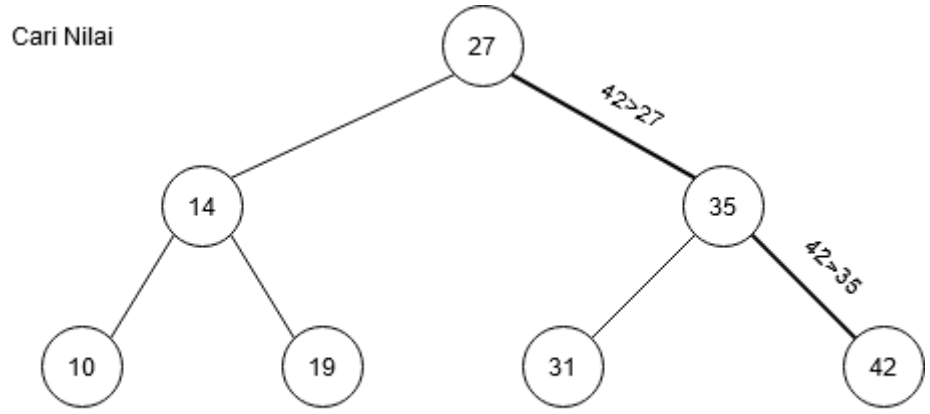
2. Simpen Nilai Minimum Node Kanan Dan Hapus Nodenya Dan ganti nilai node 27

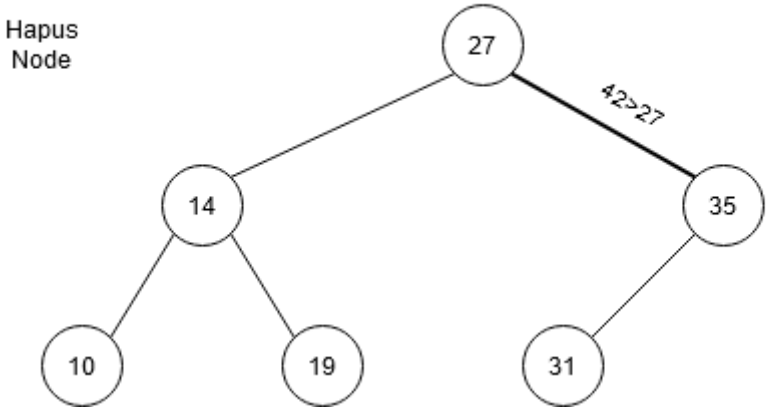


Delete 35:



Delete 42:


Cari Nilai
27
42>27
14
35
42>35
10
19
31
42


Hapus
Node
27
42>27
14
35
10
19
31