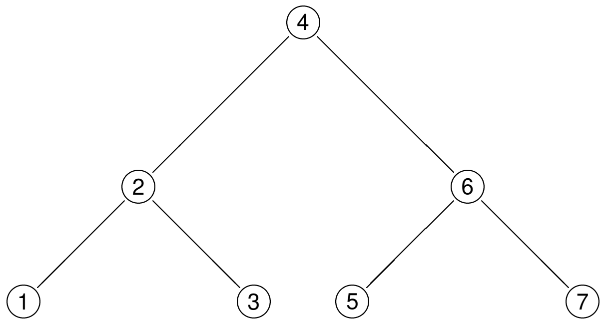
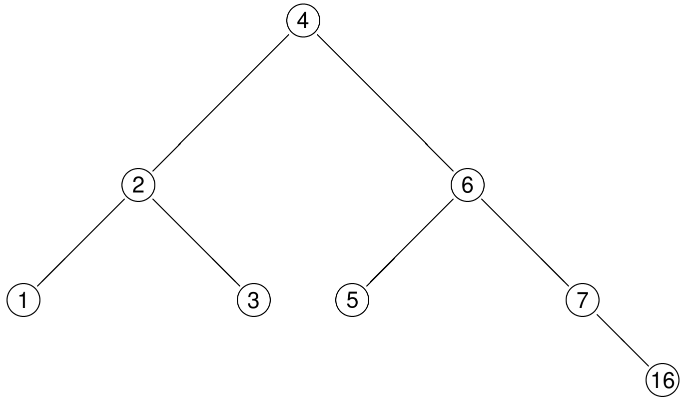
AVL Trees: An example

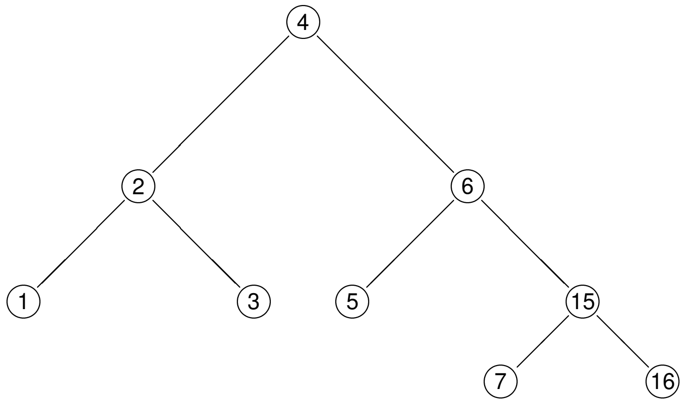
Starting tree



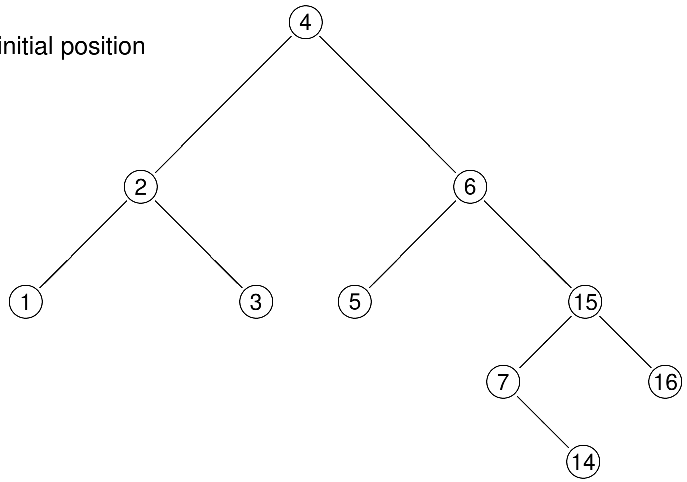
Insert 16



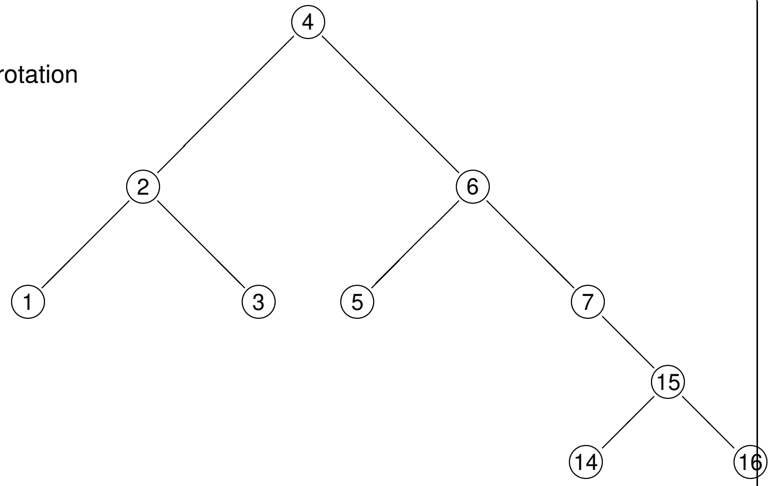
Insert 15



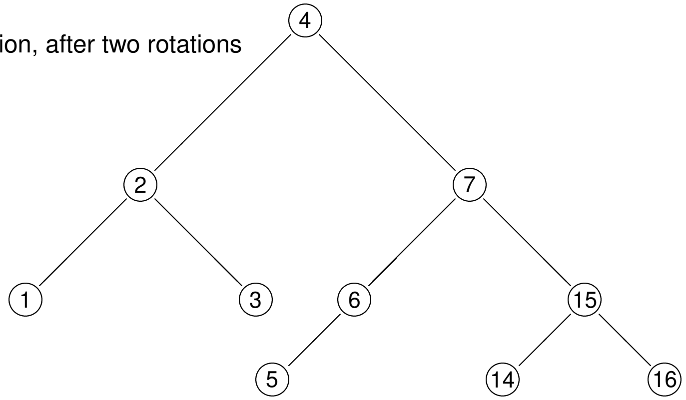
Insert 14, initial position



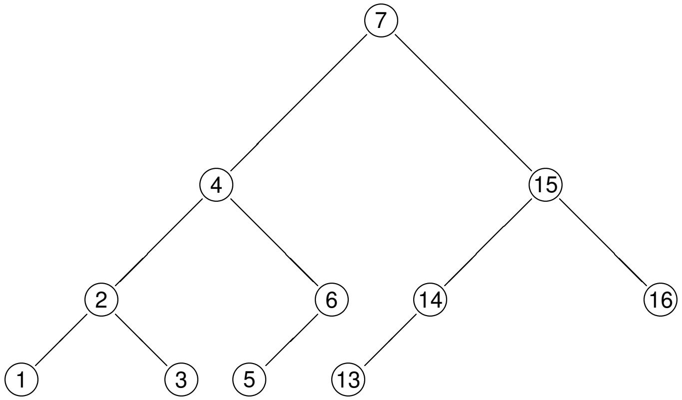
After one rotation



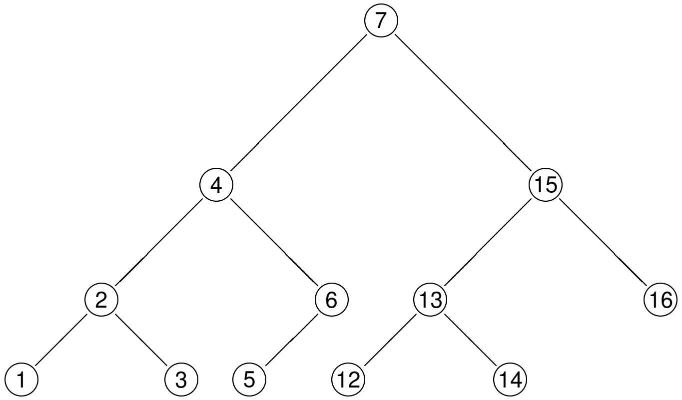
Final position, after two rotations



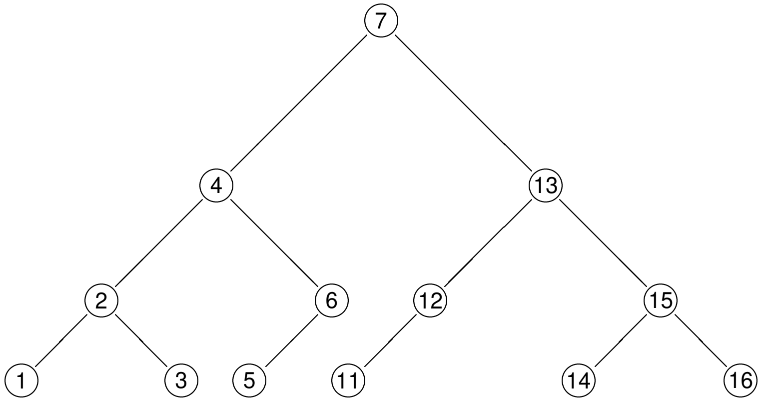
Insert 13



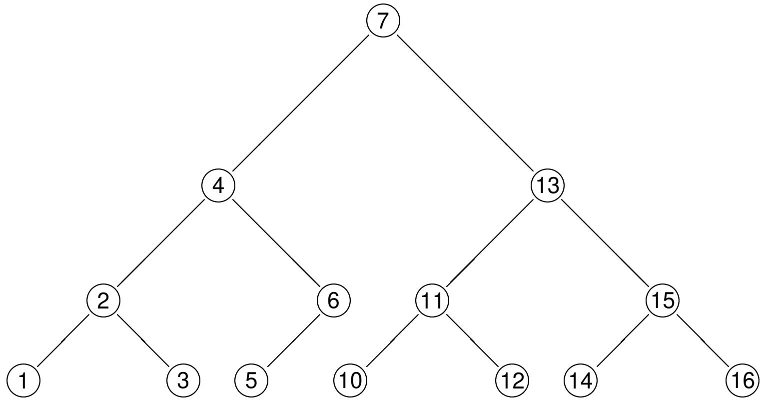
Insert 12



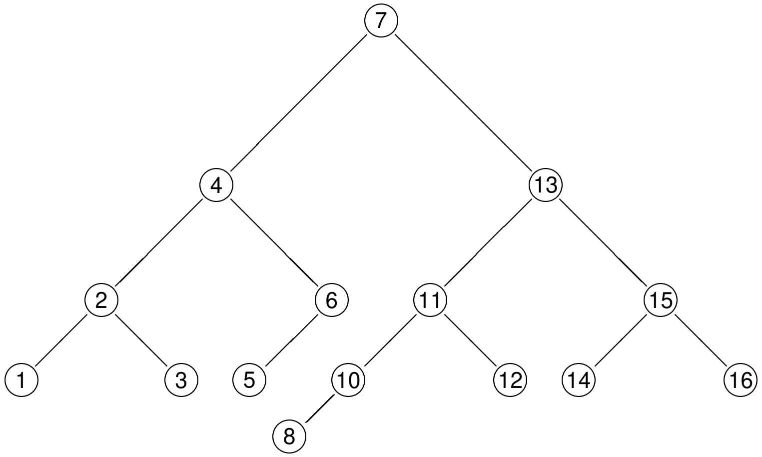
Insert 11



Insert 10



Insert 8



Insert 9