4. This node was just inserted, because the AVL property fails at its grandparent (24)

5. **right_single_rotate**
   (the node was inserted into the right subtree of a right child, one rotation will fix it up)

6. tree node with value 24

7. This node was just inserted, the AVL property fails at root (20)

8. **right_left_rotate**
   (the node was inserted into the right subtree of a left child of 20, two rotations will fix it up)

9. **right_left_rotate**
   (the node was inserted into the right subtree of a left child of 20, two rotations will fix it up)

10. the root (with value 20)

11. First, the **right_single_rotate** on node with 10 will be called
    Then, **left_single_rotate** on the root will be called