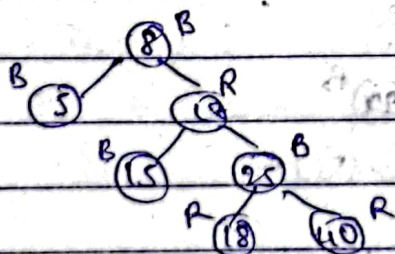
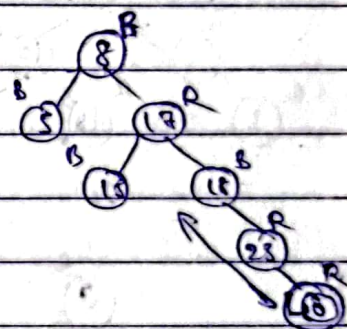
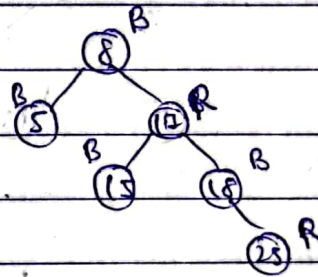
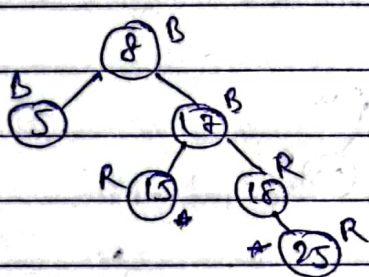
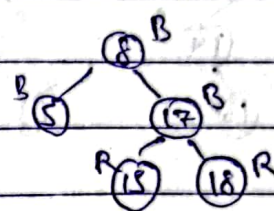
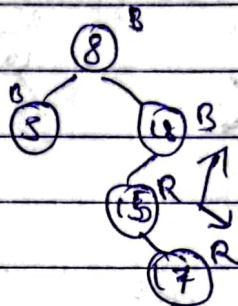
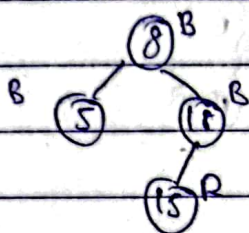
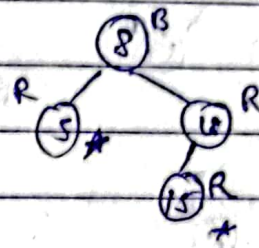
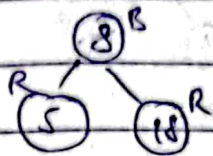
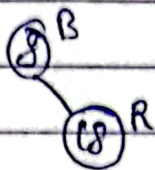
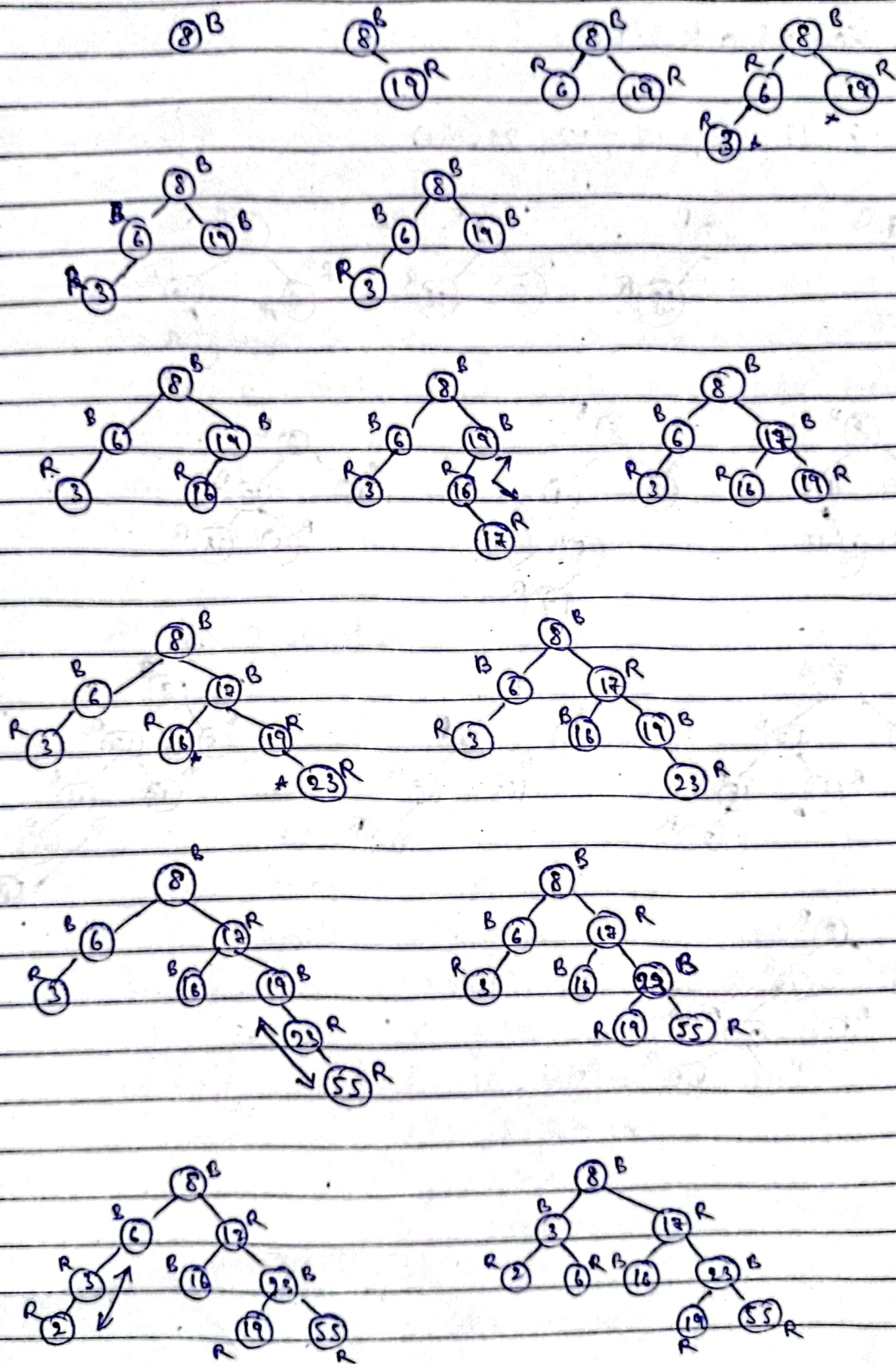


# Red-Black Tree

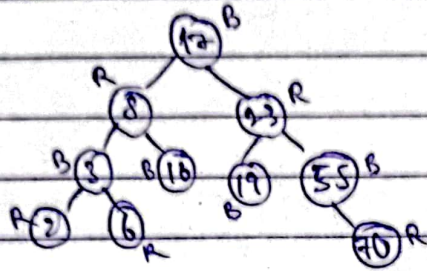
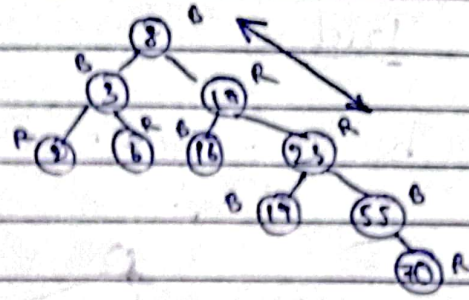
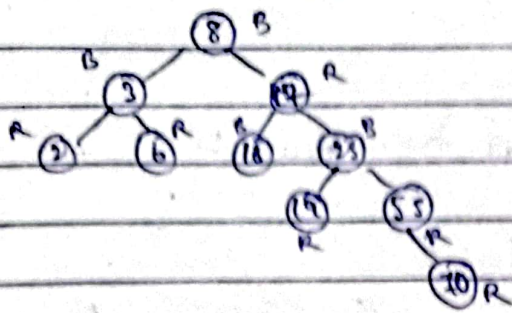
④ 8, 18, 5, 15, 17, 25, 40



② 8, 19, 6, 3, 16, 17, 23, 55, 2, 70







### Rules:-

- \* Root is Black, Every other node is coloured red.
- \* The tree cannot have 2 successive nodes with same colour [root exception]
- \* In case of a violation we rotate or recolour based on the colour of the uncle node
- \* If the uncle node is red, we recolour parent, uncle, and grandparent
- \* If the uncle node is Black or node present we rotate based on the AVL property, and recolor the last two node which changed their positions.