d) Insert 30, 40, 60, 90, 65, 70, 50, 95, 75, 80, 110 into an initially empty red-black tree.
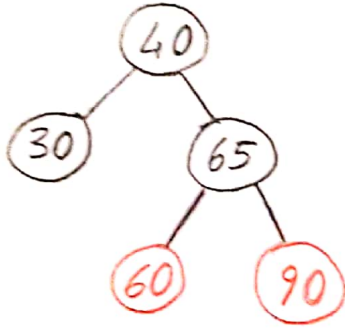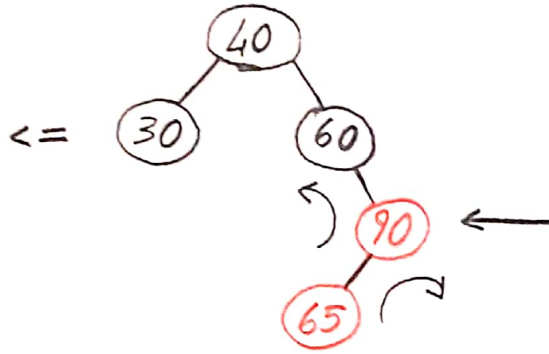

After inserting 30

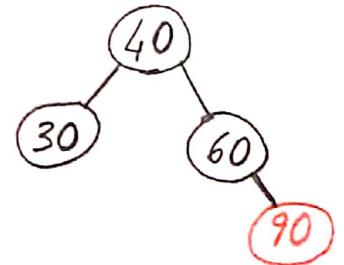After inserting 40

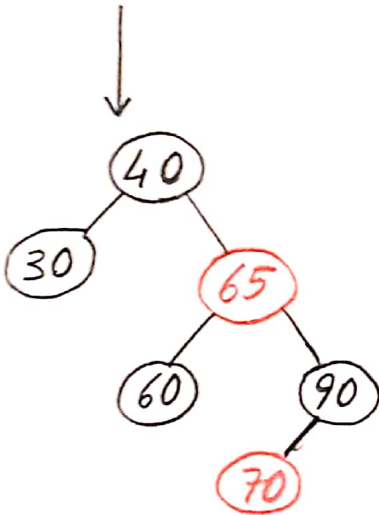left rotation and color change

after inserting 60
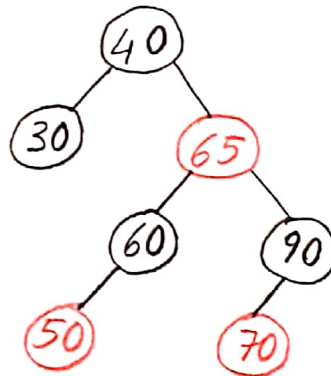
after inserting 65

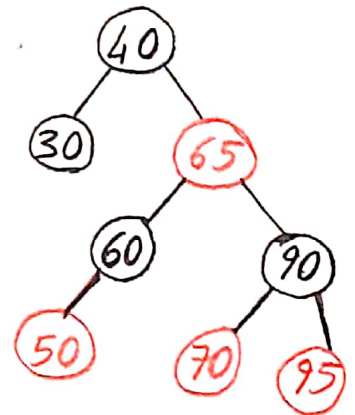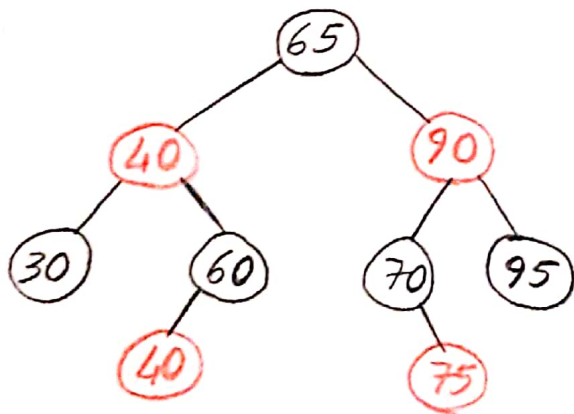right-left rotation and color change

after inserting 90

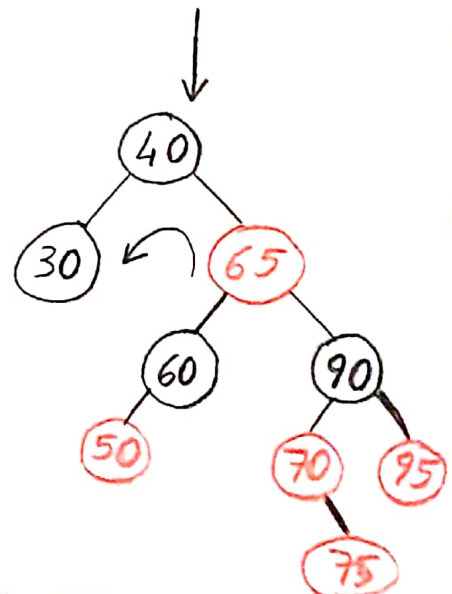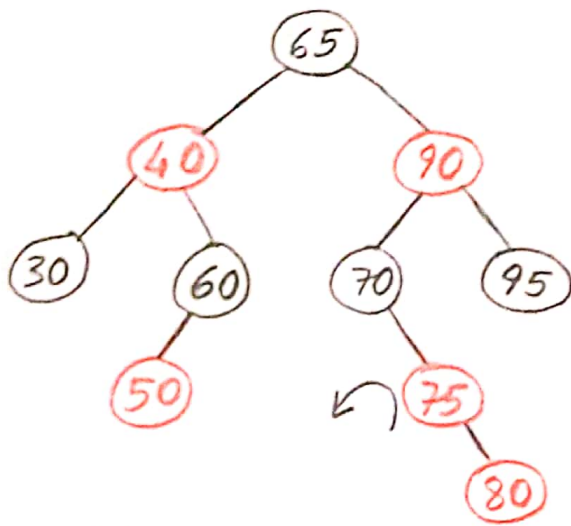after inserting 70
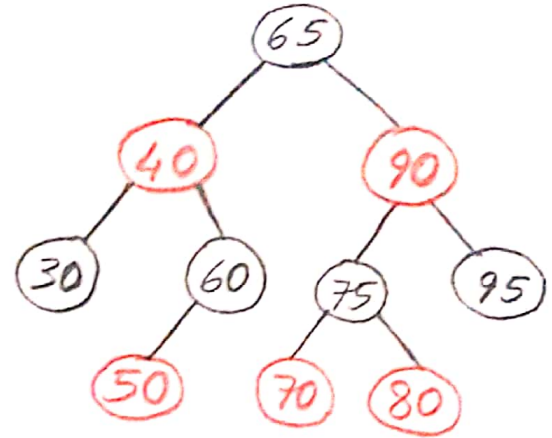
after inserting 50

after inserting 95
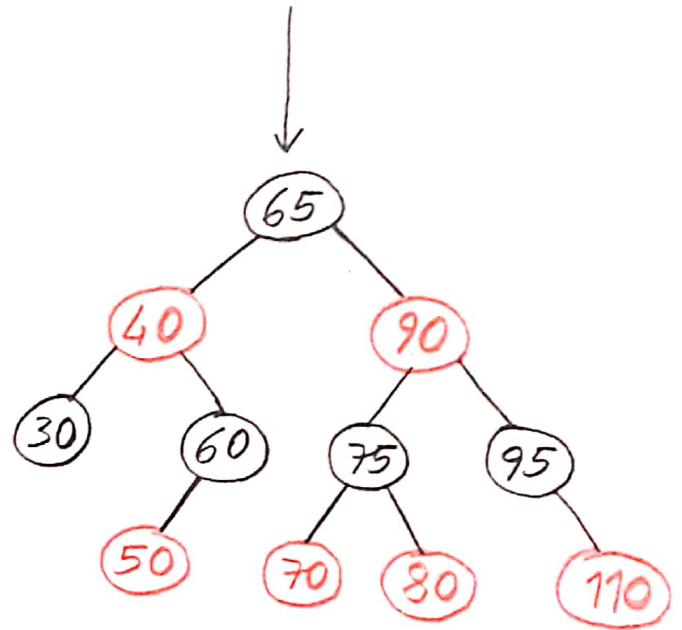
after inserting 75

Left rotation and color change

left rotation and
color change

after inserting 80

after inserting 110