

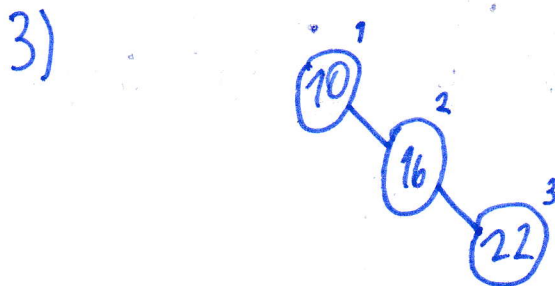
ALV_Tree

Christian Angler 2.11.18 3.5.18

10, 16, 22, 18, 34, 47, 33, 32, 8, 6



$$16 > 10$$



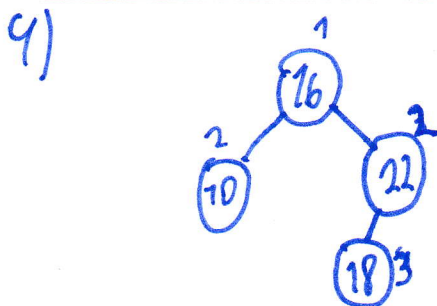
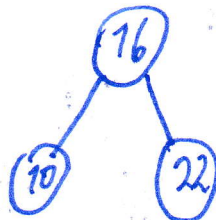
$$22 > 10 \text{ and } 22 > 16$$

depth left: 1

depth right: 3

$$1 - 3 = -2$$

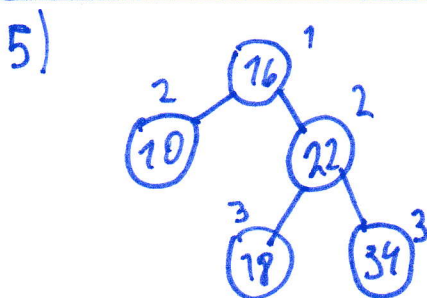
Singel left rotation ↙



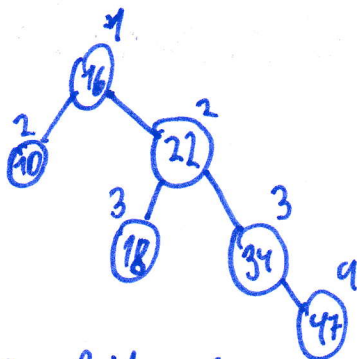
depth left: 2

depth right: 3

$$2 - 3 = -1$$



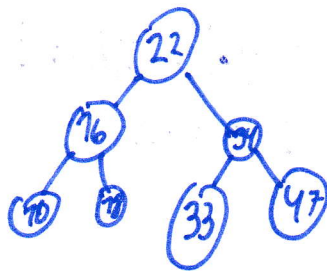
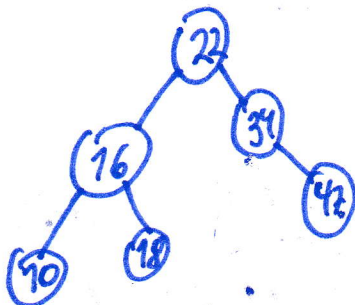
6



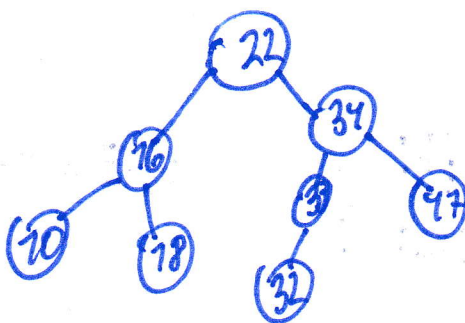
depth left 2
depth right 4
 $2-4 = -2$

Right-Right-Case \Rightarrow SLR

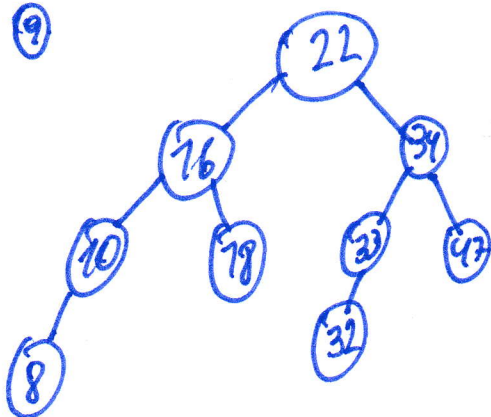
7



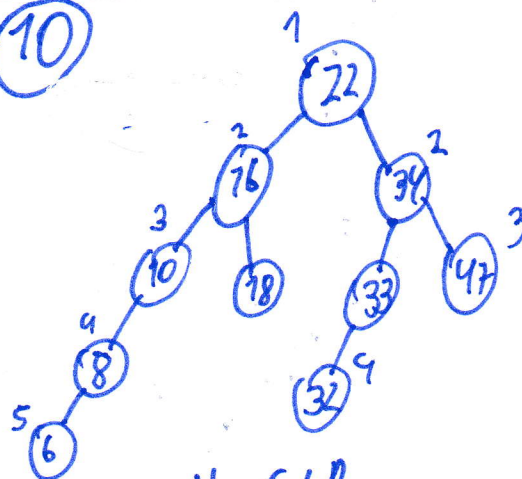
8



9

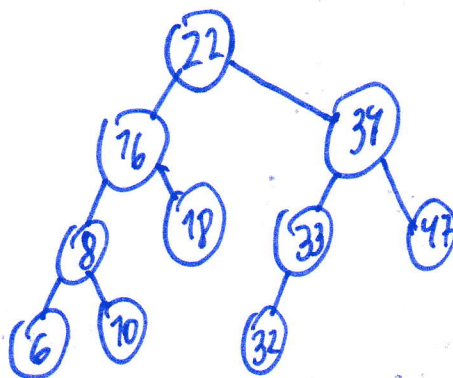


10

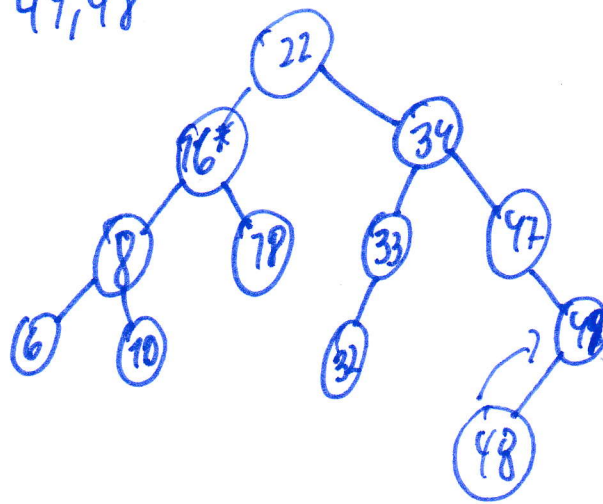


dl = 5
dr = 3
 $5-3 = 2$

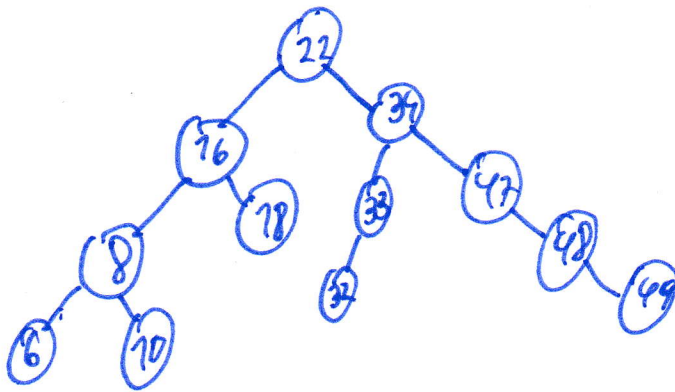
\Downarrow SLR



- Right Left Case
Insert: 49, 48



1)



2)

