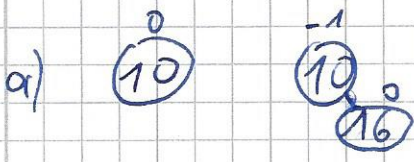
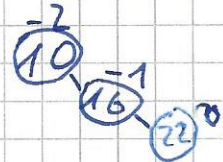


1. Insertion in a Self-Balancing Tree

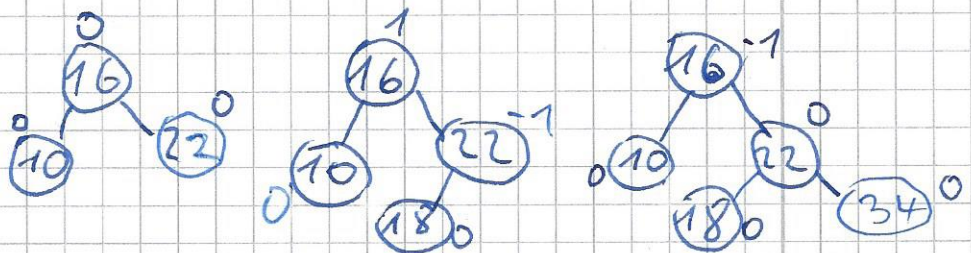
a)   Right-Right-Case
=> Single Left Rotation

Balance =

left Subtree - right Subtree

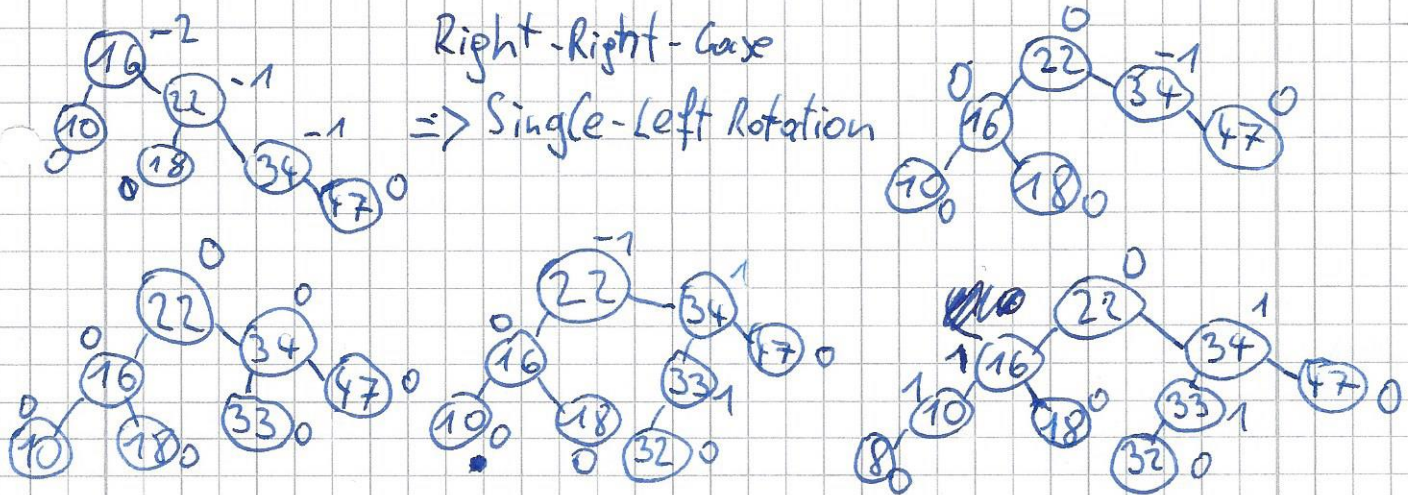
Balance >= -1 & 8

Balance <= 1



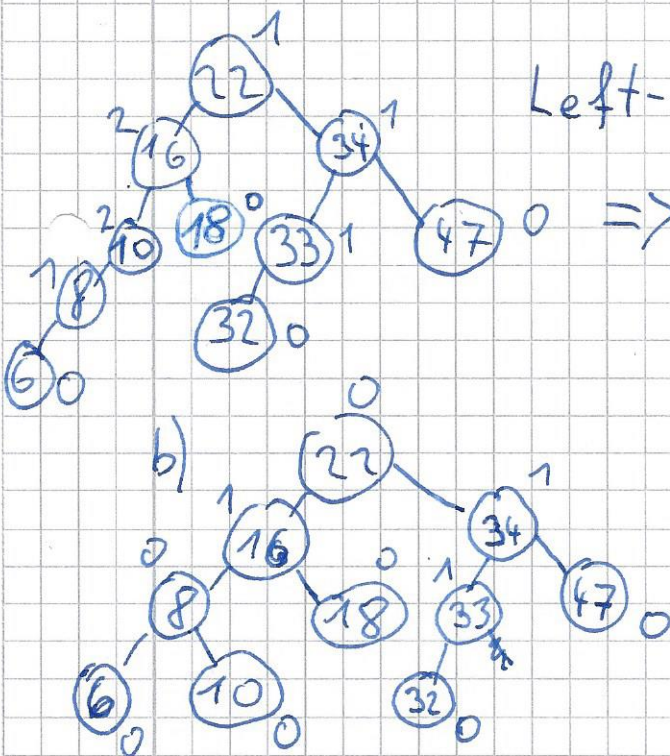
Right-Right-Case

=> Single-Left Rotation



Left-Left-Case

=> Single-Right-Rotation



Alexander
Küchmaier