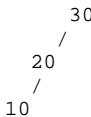


# AVL Tree Imbalance Cases (Diagrammatic Explanation using Numbers)

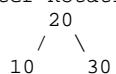
## LL Case (Left-Left)

Before Rotation:



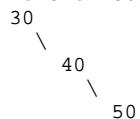
Fix: Right Rotation on 30

After Rotation:



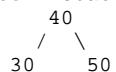
## RR Case (Right-Right)

Before Rotation:



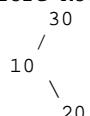
Fix: Left Rotation on 30

After Rotation:



## LR Case (Left-Right)

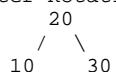
Before Rotation:



Fix:

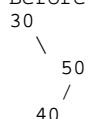
- 1) Left Rotation on 10
- 2) Right Rotation on 30

After Rotation:



## RL Case (Right-Left)

Before Rotation:



Fix:

- 1) Right Rotation on 50
- 2) Left Rotation on 30

After Rotation:

