

## How to Balance an AVL Tree (Cheat Sheet)

- 1) Find which node needs to be balance

Balance = Height of right subtree – Height of left subtree

A node is balanced if Balance  $\geq -1$  and Balance  $\leq 1$

- 2) Determine what case it is and do the correct rotation (I chose a different case naming system to make it easier to explain since I did a terrible job explaining last time)

Left – Left case		
Right – Right case		
Left – Right case		
Right – Left case		

<https://www.cs.usfca.edu/~galles/visualization/AVLtree.html> -- website to visual AVL tree. . . good for future homework