**Balancing by rotating to the right**

The similar table for balancing by rotating to the left is deduced by negating all balance factors and by turning left nodes into right nodes and turning right nodes into left nodes.

Node arrangements Initial After rotation and



balance factor

adjustment

**1:**



**2:**



**3:**



The rotation of the node arrangements below lead to node arrangements above to complete the balancing. Attempting to directly rotate any node arrangement below, yield another node arrangement with a node having a balance factor of 2.

**4:**

Continue to node

arrangement

**2**

to

complete the

balancing.



**5:**

Continue to node

arrangement

**2**

to

complete the

balancing.



**6:**

Continue to node

arrangement

**3**

to

complete the

balancing.

