

BT > 2 - elements are distributed

BST -> LC & Post > RC

RABT -> BTree data struct + color (Red & Black)

[moresties]

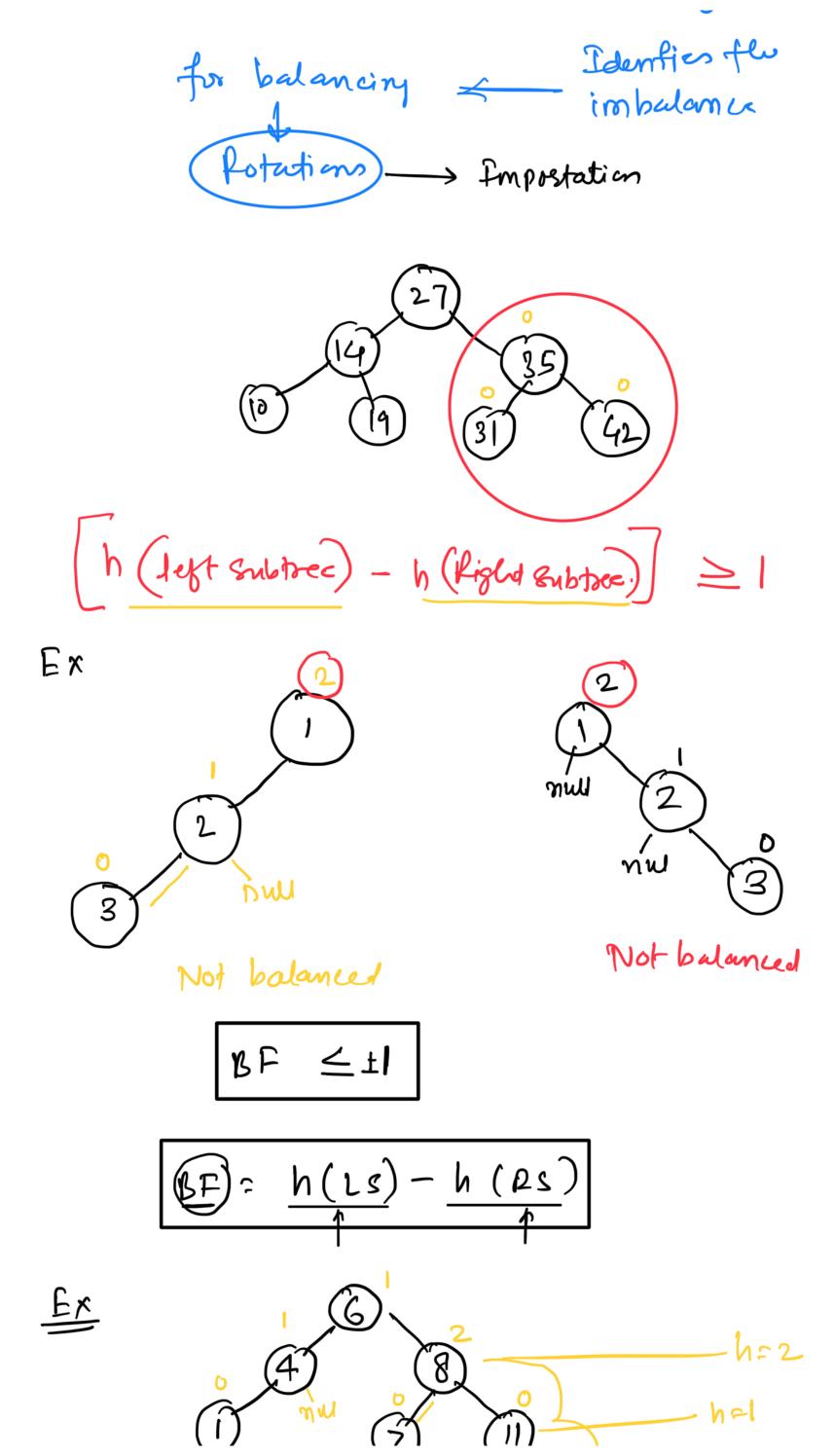
- 1. Every mode is either fed or Black
- 2. The root and leaves (Nill) ax Black
- 3. If node is Red, then its parent is Black
- 4. All simple paths from any node of to a descendant leaf have the same number of black nodes

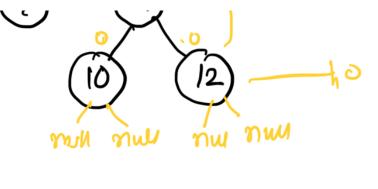
 = blackheight(x)

AUL Trec - Hauson-Velskii, Landis

Skewed Balanced
Tree.

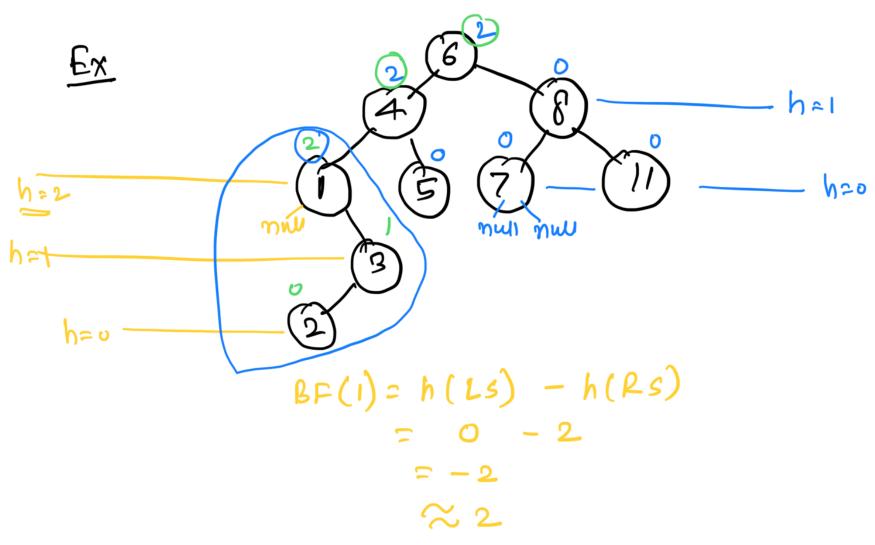
· Parameter for balancing -> Balance
Factor





Balanced

n BF

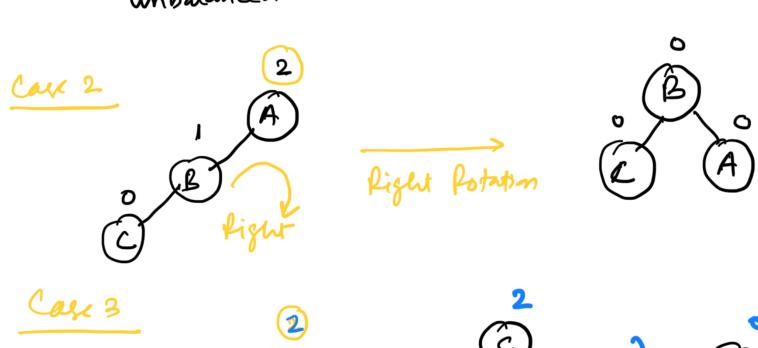


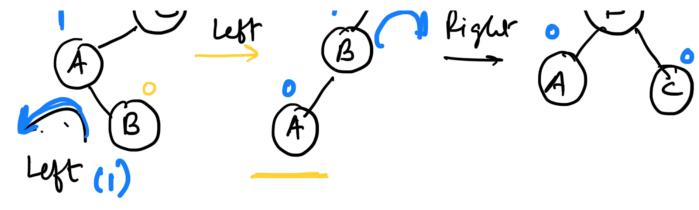
Balancing - Potations ->



unbalanced

Balanced





Left-Right Potation



