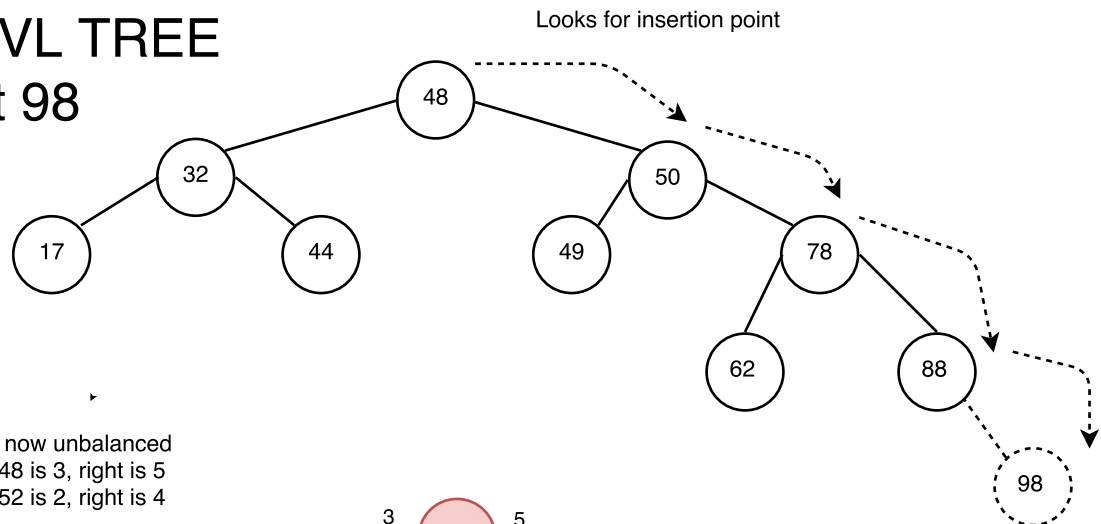


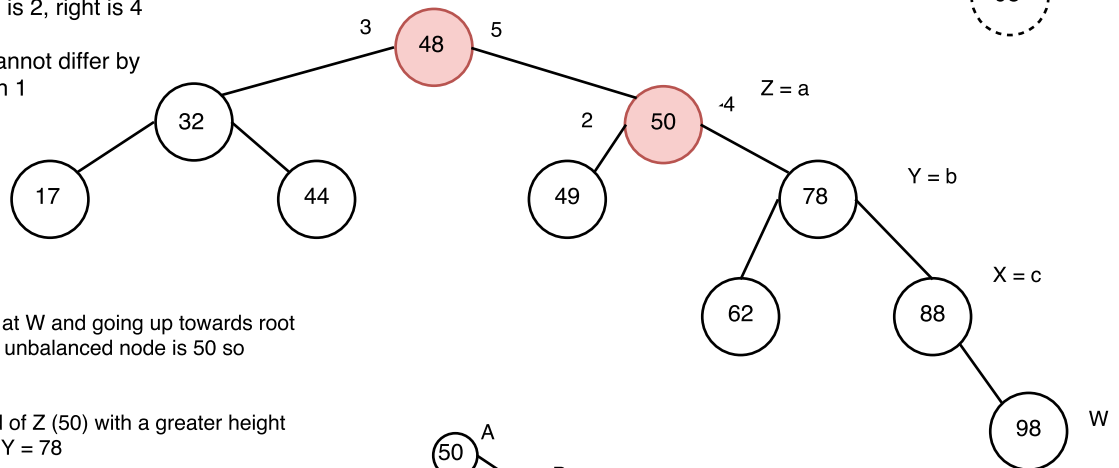
1 AVL TREE

Insert 98

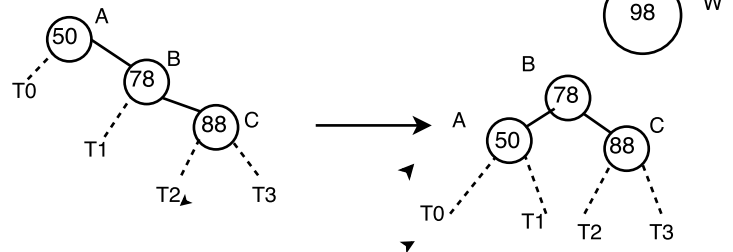


Tree is now unbalanced
Left of 48 is 3, right is 5
Left of 52 is 2, right is 4

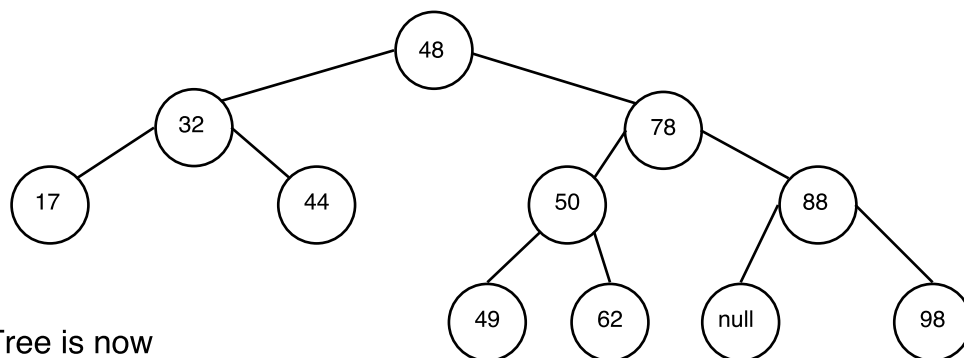
*height cannot differ by more than 1



- Starting at W and going up towards root
The first unbalanced node is 50 so
Z = 50
- The child of Z (50) with a greater height
is 78 so Y = 78
- The child of Y (78) with a greater height
is 88 so X = 88.



After Restructuring



Tree is now
Balanced