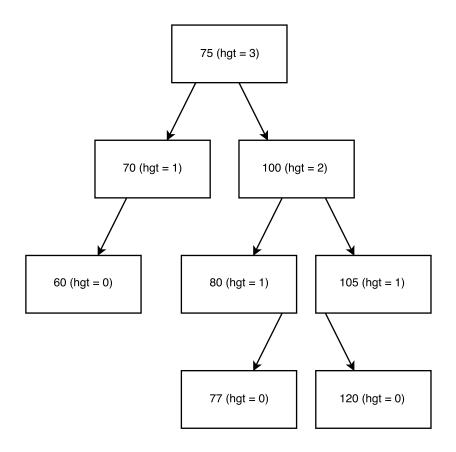
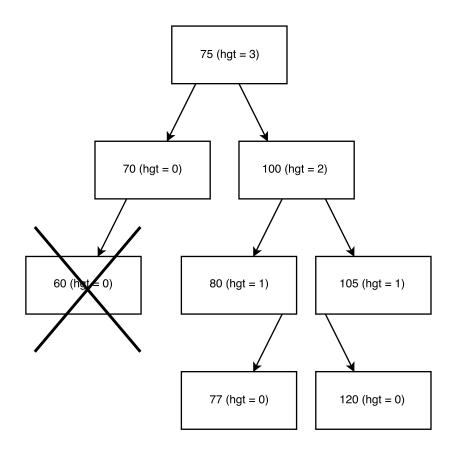
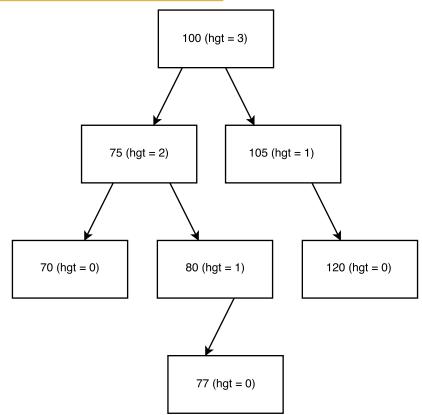


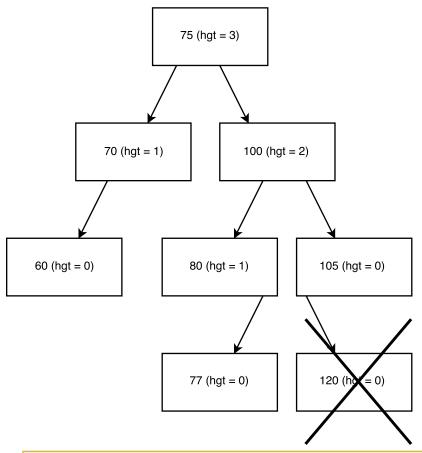
This is a balanced tree, nothing needs to be changed.



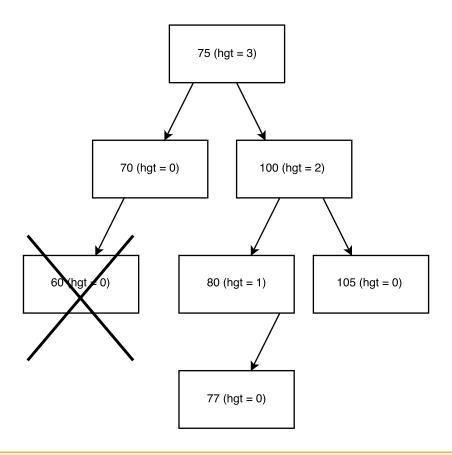


Removing the "60" makes the tree unbalanced. It is unbalance on the right subtree with both children of the same height 1. Hence, single rotation is applied.





Nothing needs to be change when removing "120". This tree is still balance.



Removing "60" leads to an unbalance tree. Since the unbalance is from the right subtree with a left child. We need to implement double rotation here.

