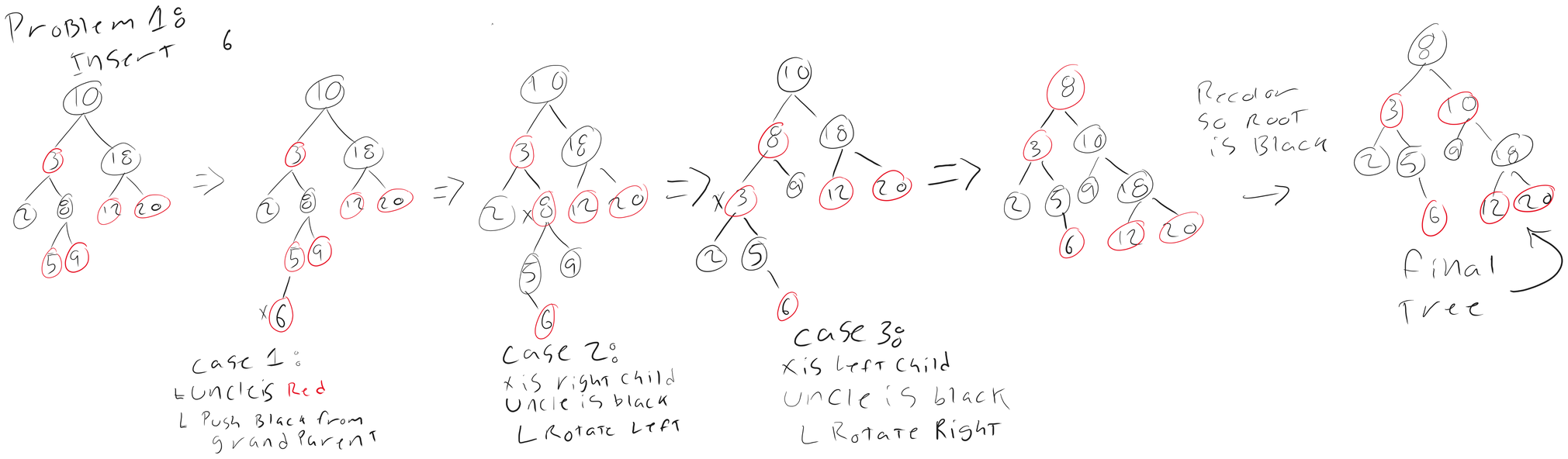
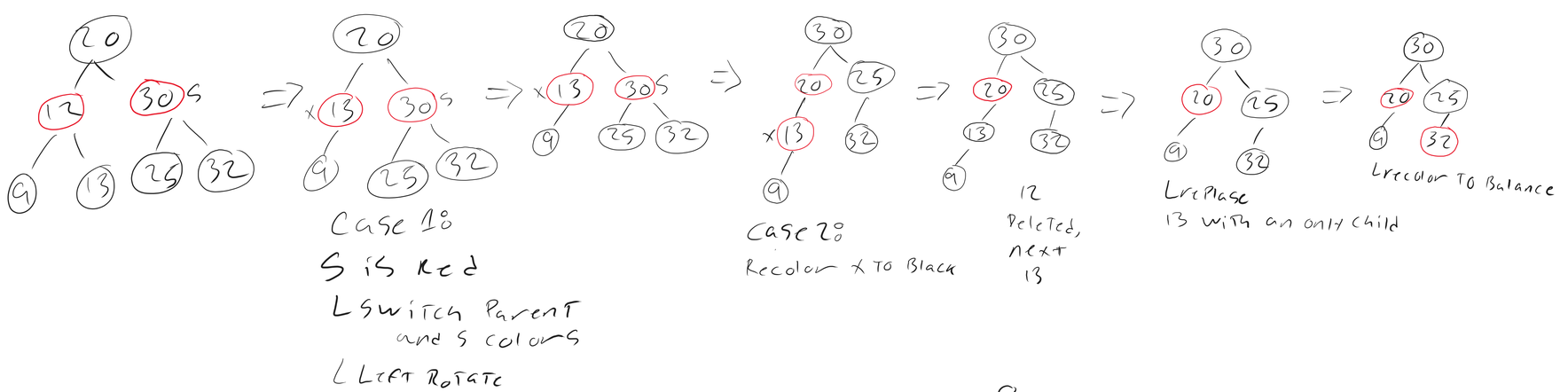
Problem 1: Insert 6

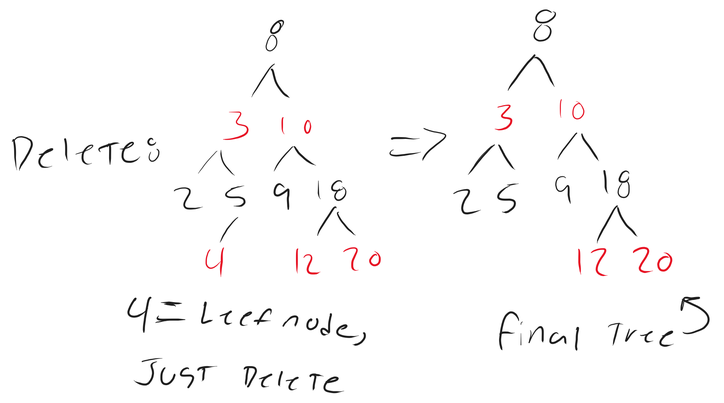


Problem 2: Del 12, then 13

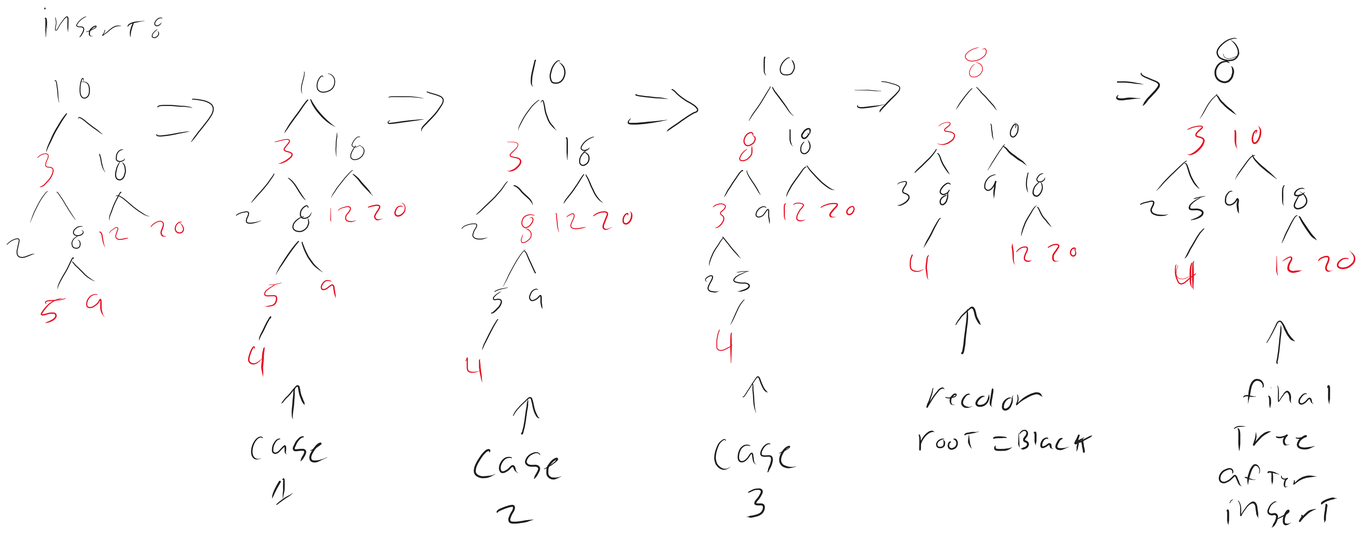


Problem 3:

The result will not necessarily be the original tree after deleting the node, as rebalancing/recoloring a node upon deletion does not always "undo" the rebalance/recolor doen apon insertion.



example using tree from P1:



Problem 4:

Deleting a node with no children, rebalancing/recoloring, then reinserting the same node does not always result inthe original tree.