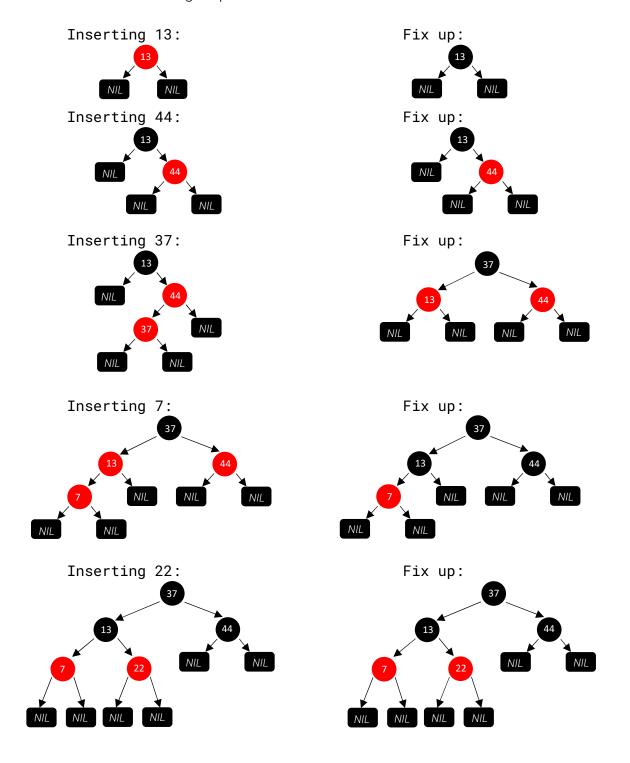
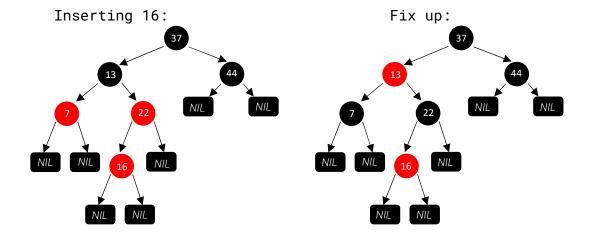
## **ADS Homework 10**

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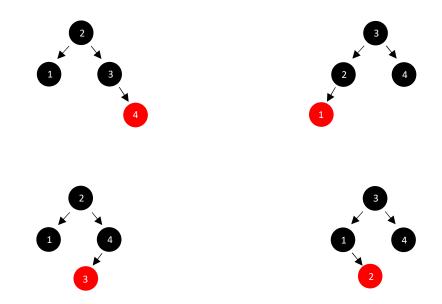
## Problem 10.1 – Understanding Red Black Trees

**a)** Inserting the values [13, 44, 37, 7, 22, 16] in this order into a Red Black Tree will have the following steps:





**b)** There are only four possible ways that [1, 2, 3, 4] can be represented in a Red black tree:



**Problem 10.2 –** Implementing Red Black Trees

The template implementation of a Red Black tree is in the file "RedBlackTree.h", and the usage is in "main.cpp".