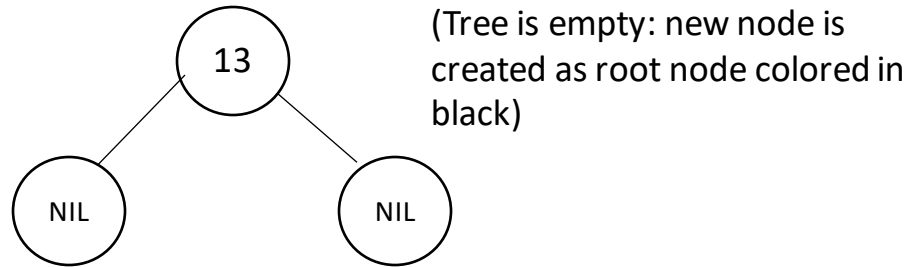


Homework 10

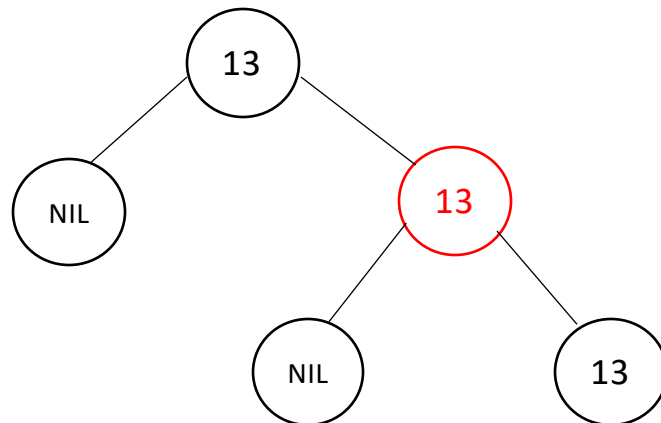
Problem 10.1 Understanding Red Black Trees

a) [13, 44, 37, 7, 22, 16]

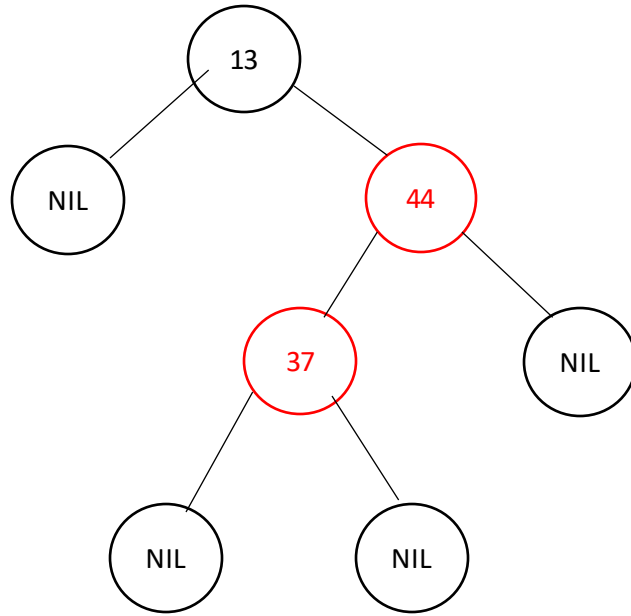
✓ Insert 13



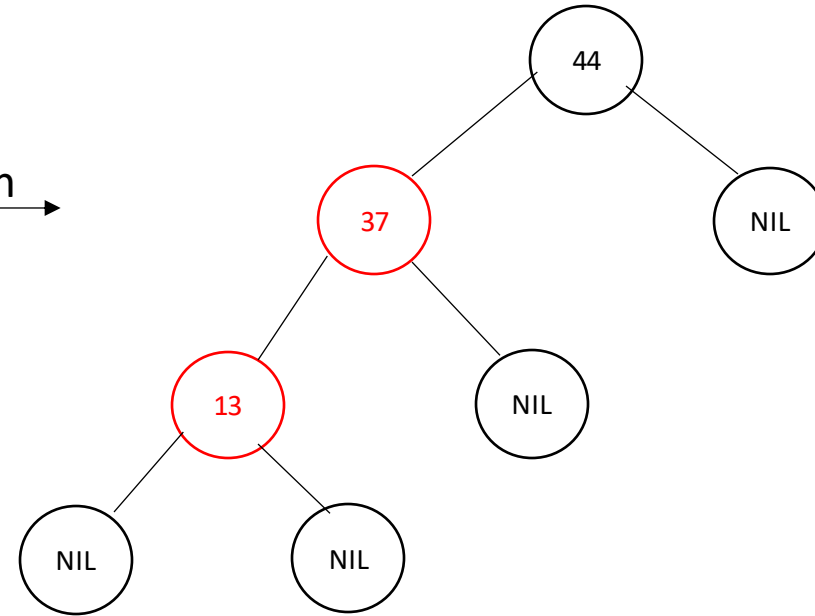
✓ Insert 44



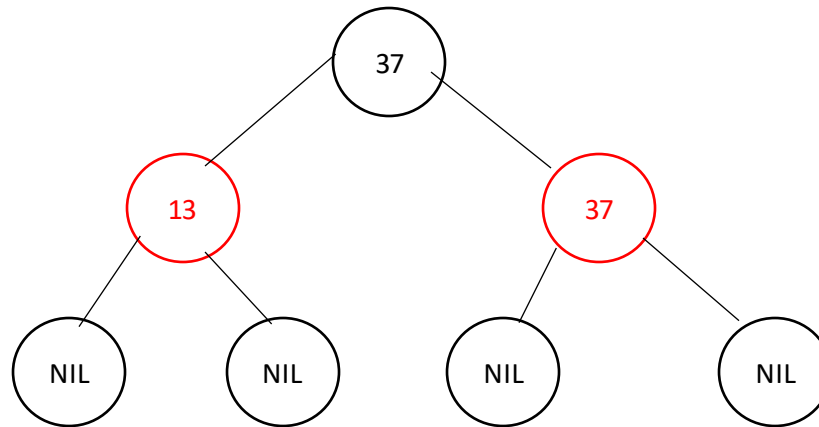
✓ Insert 37



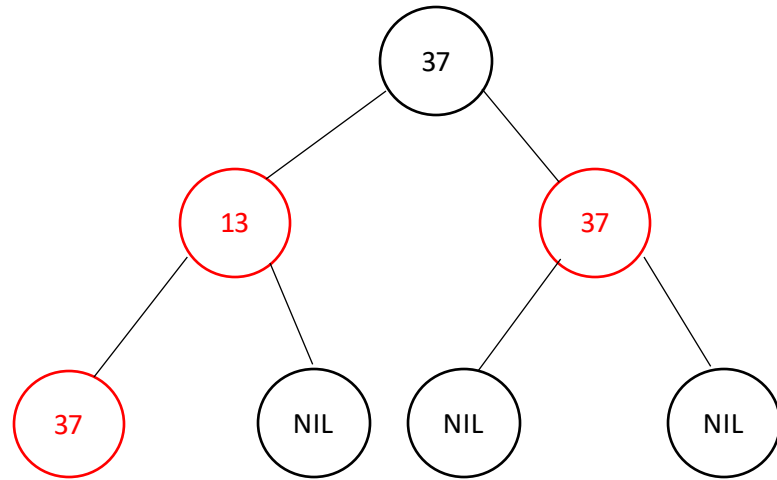
Fix up insertion →



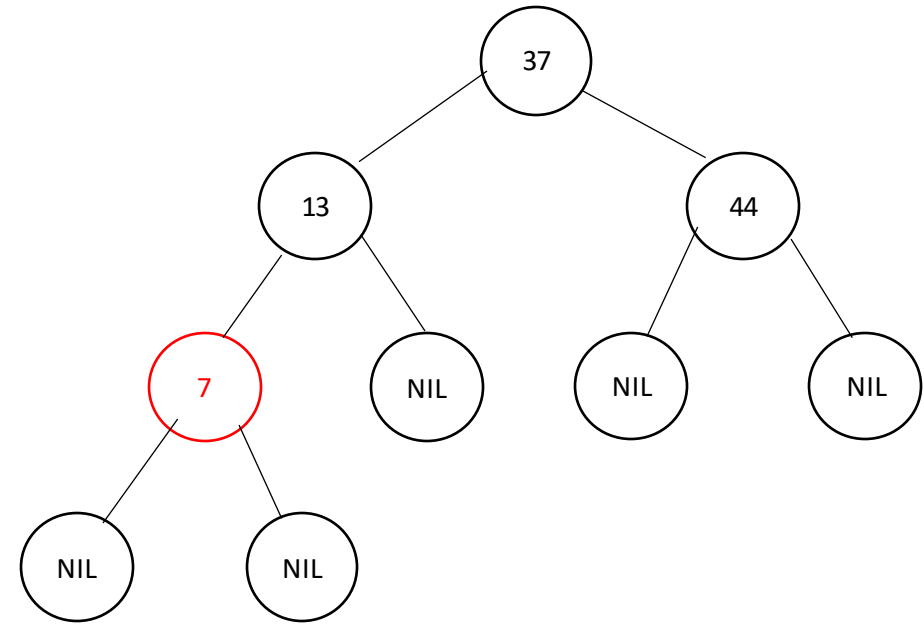
Fix up insertion →



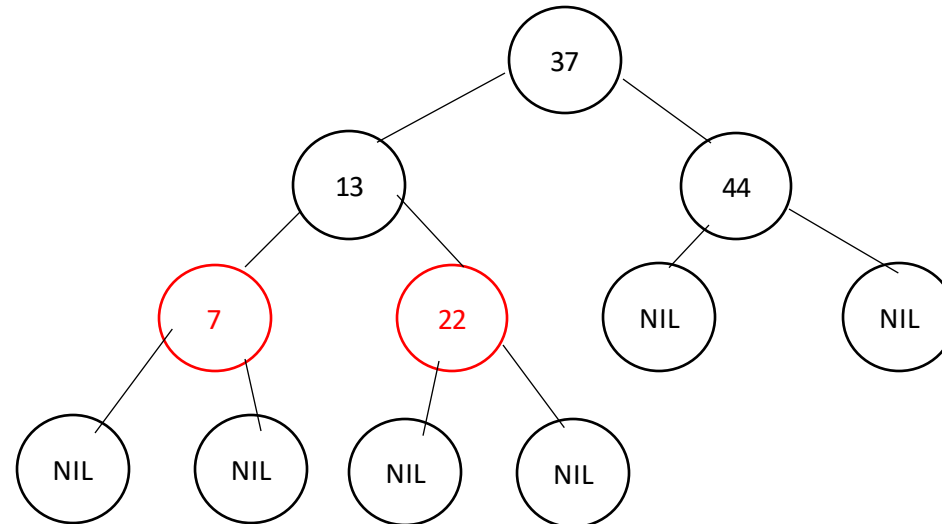
✓ Insert 7



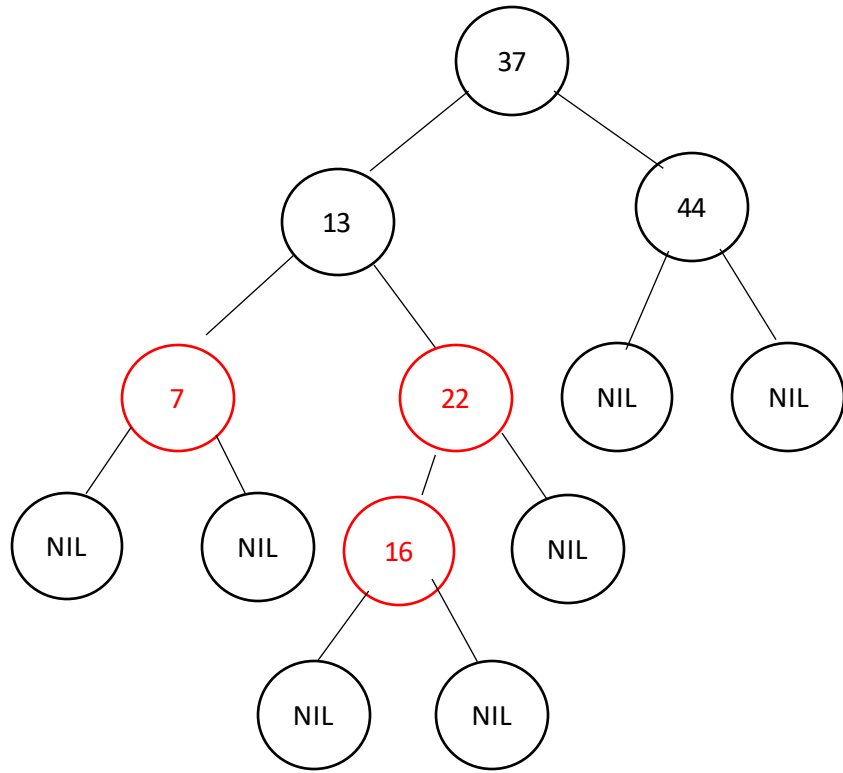
Fix up insertion →



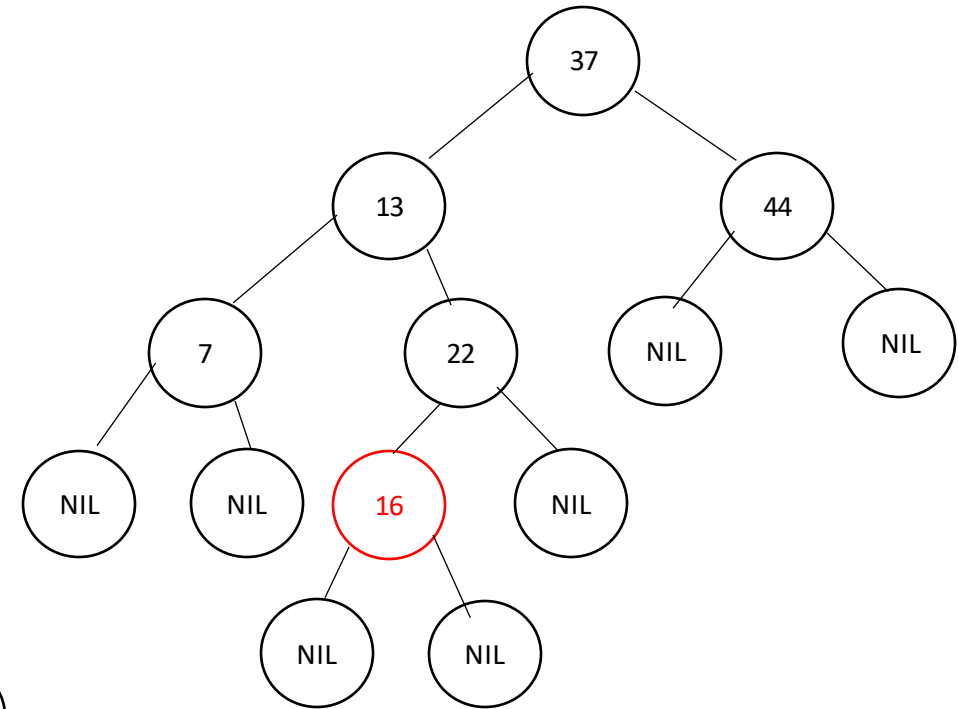
✓ Insert 22



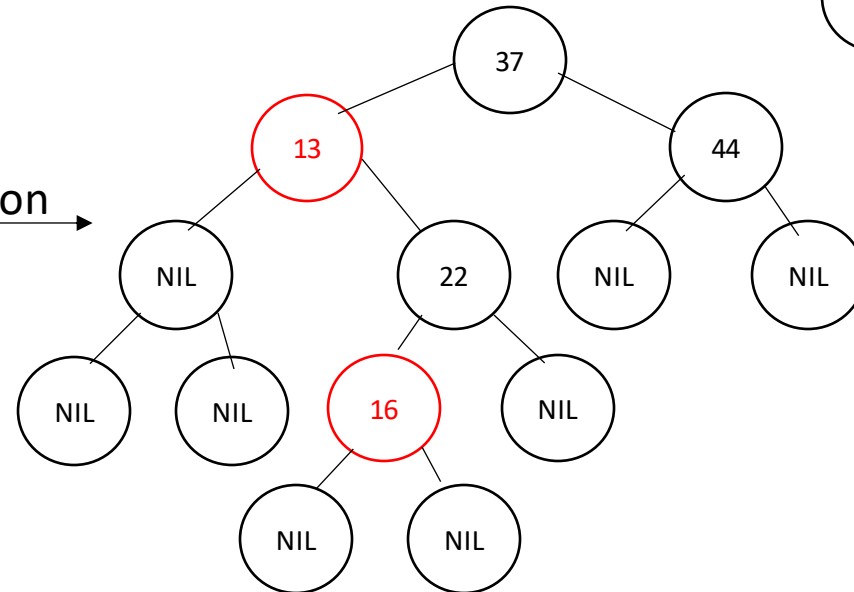
✓ Insert 16



Fix up insertion →

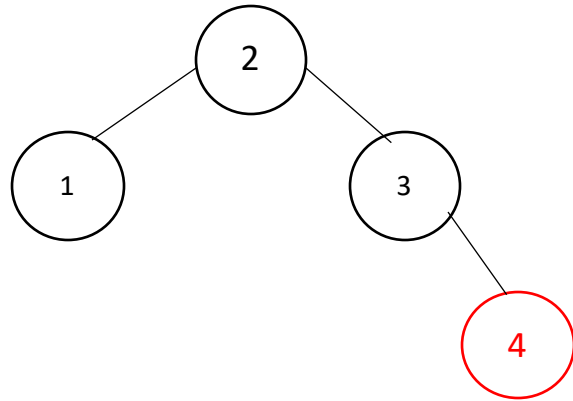


Fix up insertion →

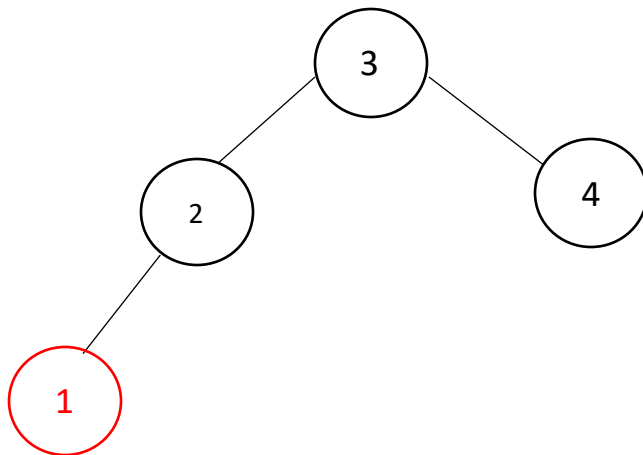


b) red-black trees that store the values {1, 2, 3, 4}

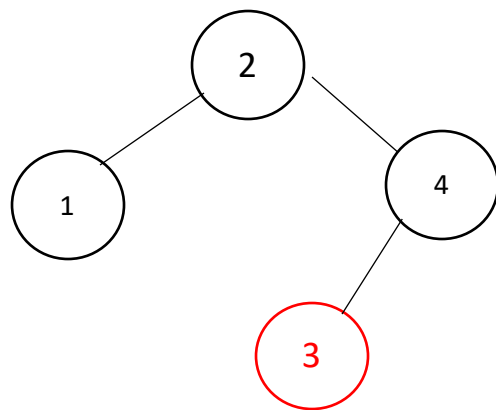
1-



2-



3-



4-

