CS 202 Fundamental Structures of Computer Science II

Assignment 4 – AVL, 2-3, and 2-3-4 Trees

Date Assigned: November 23, 2015
Due Date: December 9 23:55 (sharp), 2015

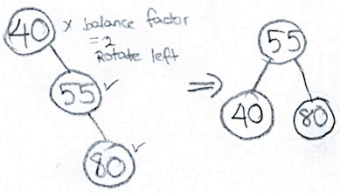
Name: Gülsüm
Surname: Güdükbay
ID: 21401148
Section: 1

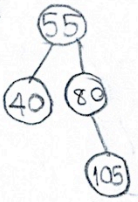
1) a) AVL TREE

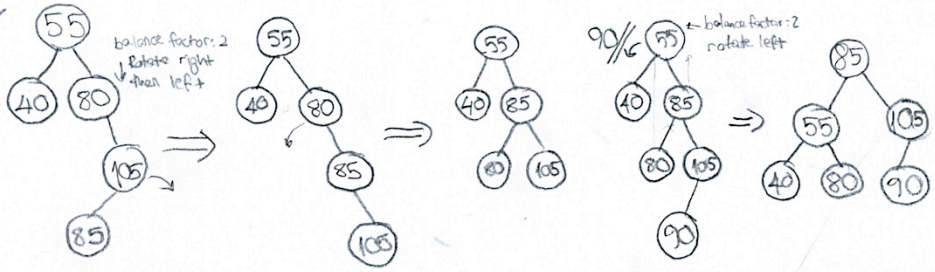
Inserting 40, 55, 80, 105, 85, 90, 79, 115, 95, 100, 130:

40//

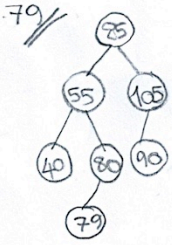
55//

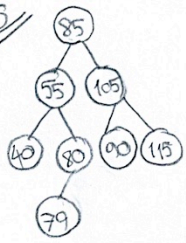
80// 

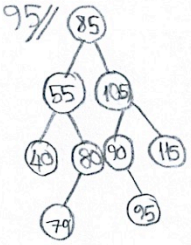
105// 

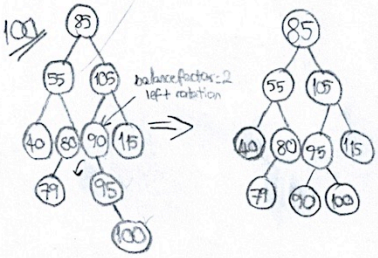
85// 

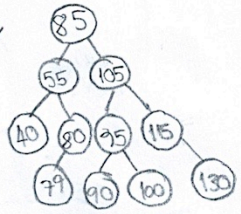
90//

79// 

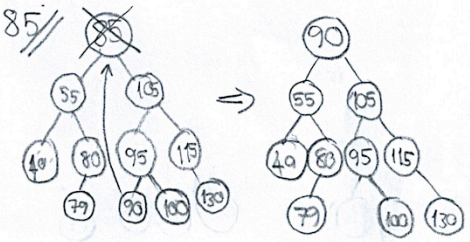
115// 

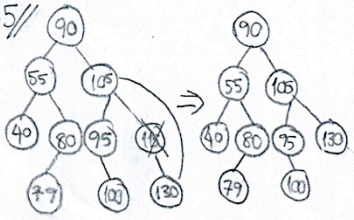
95// 

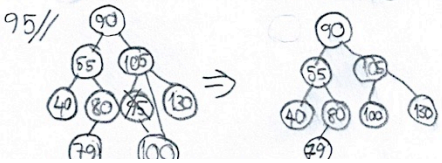
100// 

130// 

Deleting 85, 115, 95:

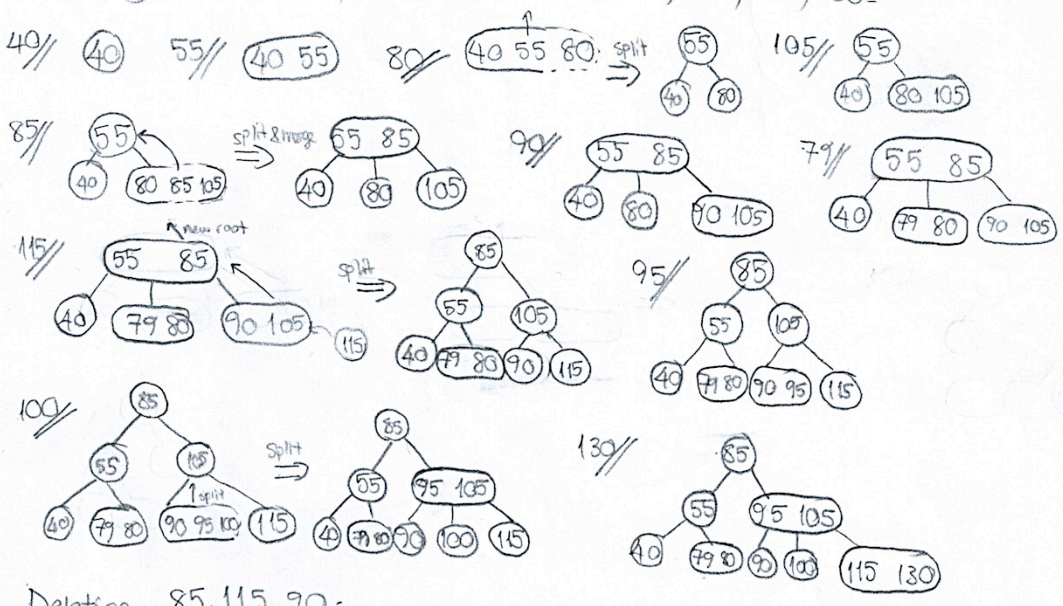
85// 

115// 

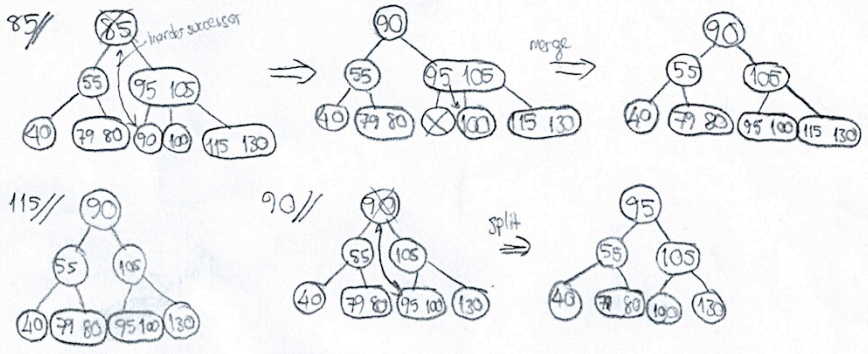
95// 

b) 2-3 TREE

Inserting 40, 55, 80, 105, 85, 90, 79, 115, 95, 100, 130:

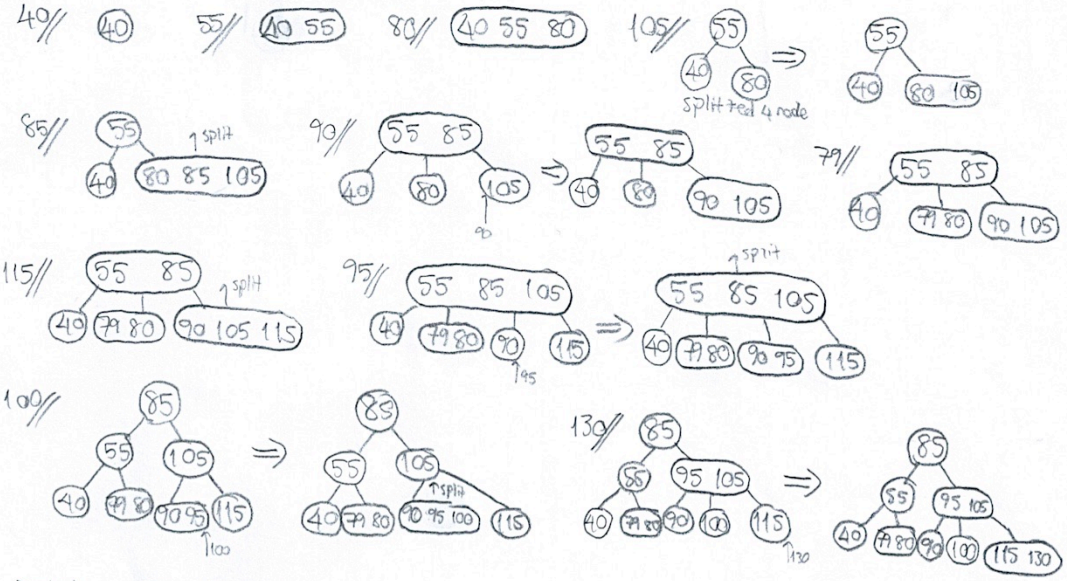
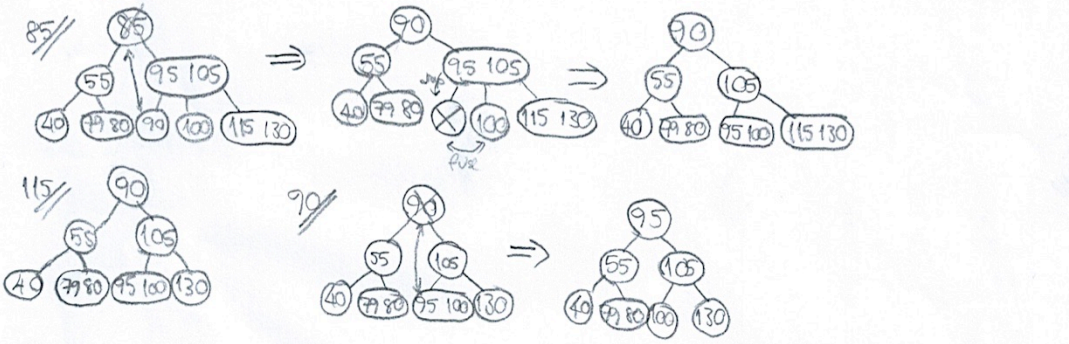


Deleting 85, 115, 90:



c) 2-3-4 TREE

Inserting 40, 55, 80, 105, 85, 90, 79, 115, 95, 100, 130



Deleting 85, 115, 90: