

Name Surname: Zeynep Doğa Dellal

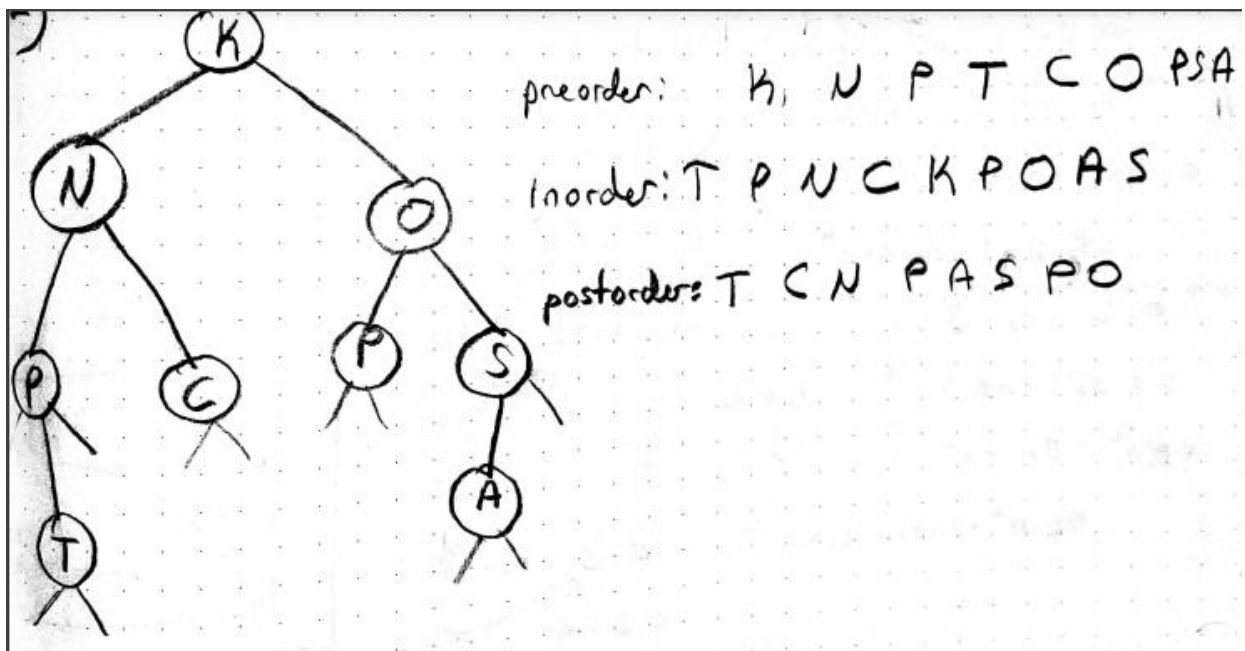
Id: 22002572

Course Code – Section: CS202-01

Homework No: 02

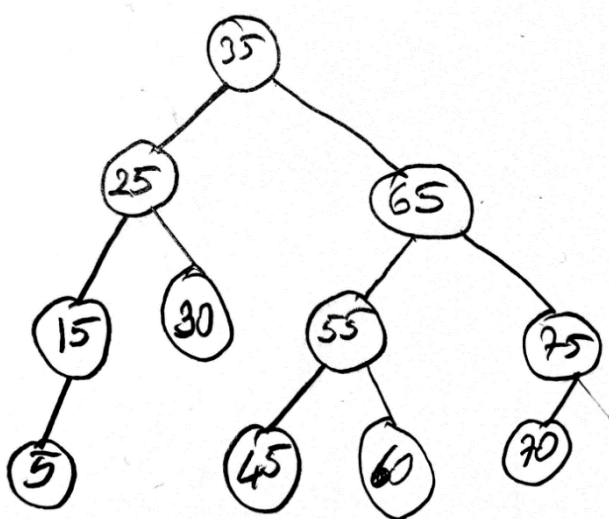
Q-1)

a)

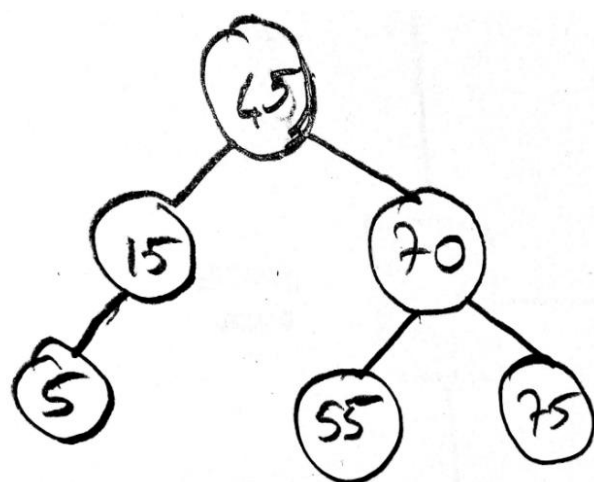


b)

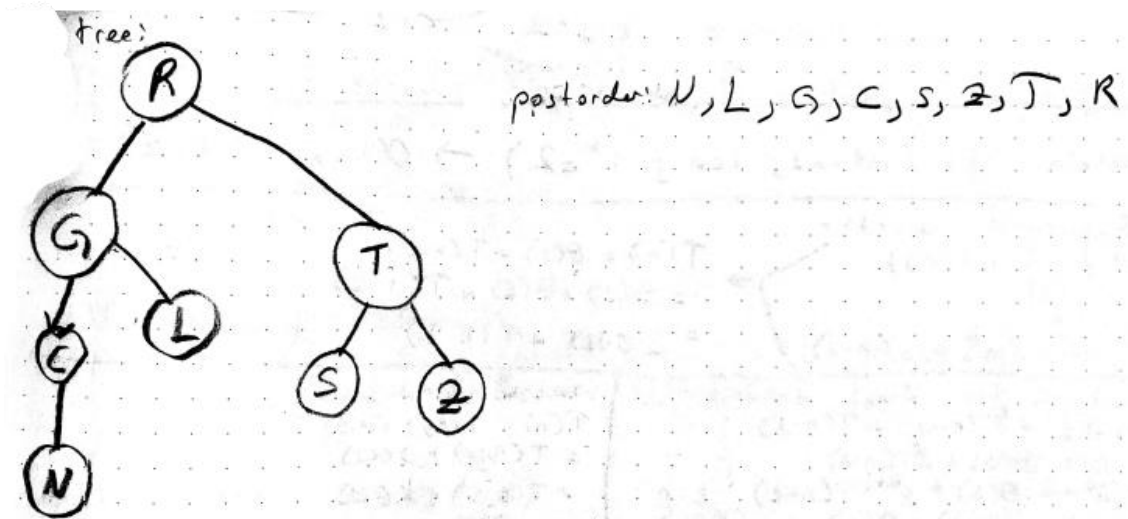
after insertion operations:



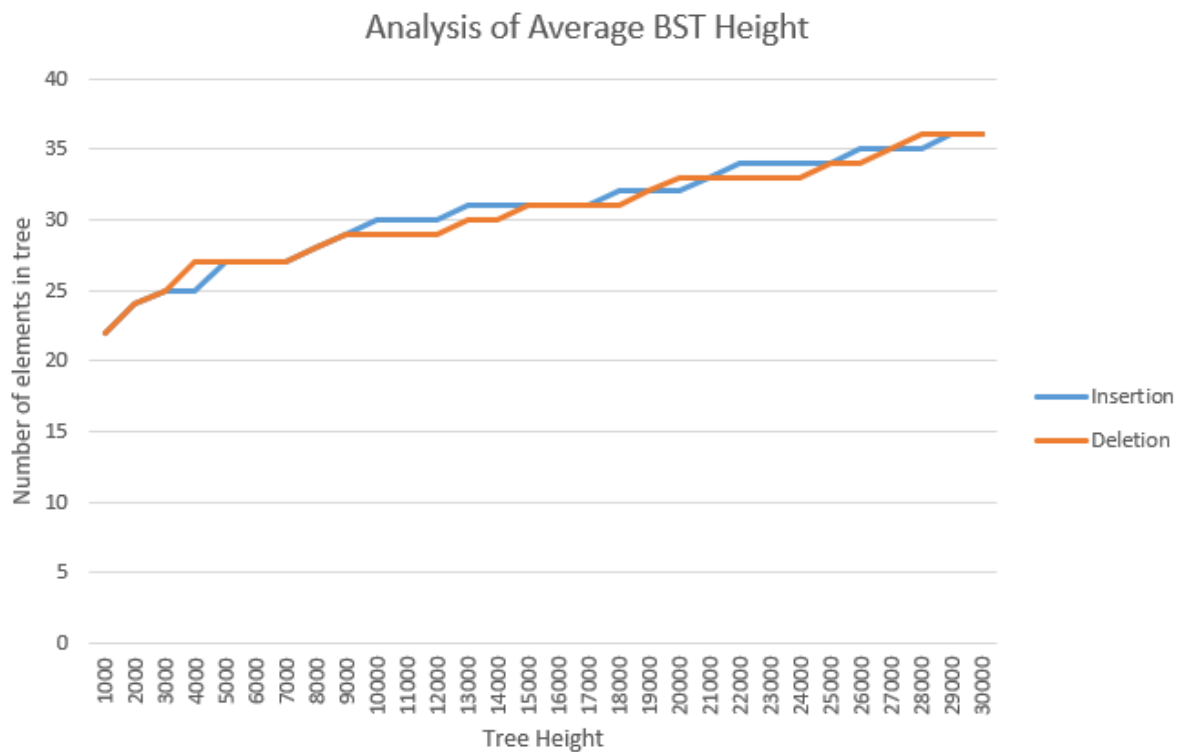
after deletion operations:



c)



Q-3)



Do your findings related to average height of BST agree with the theoretical values?

Yes, the heights I found are similar to theoretical values.

How would the height of the tree change if you inserted sorted numbers into it instead of randomly generated numbers?

It would be the number of nodes. For example every node would be its parents left child.