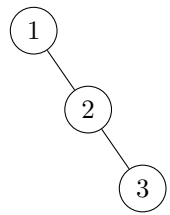


ECE3310
Data Structure

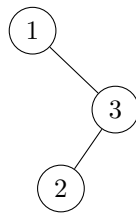
Midterm
Resubmission of Question 3, 4, 6, and 8

Choi Tim Antony Yung

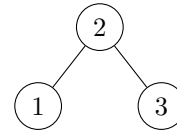
19 March 2020



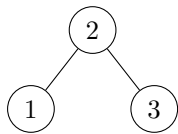
T1:(1 2 3)



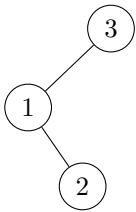
T2:(1 3 2)



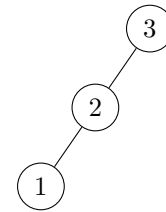
T3:(2 1 3)



T3:(2 3 1)

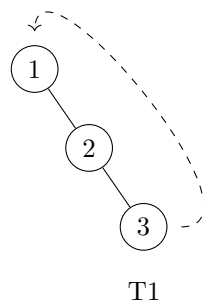


T4:(3 1 2)

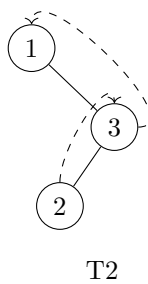
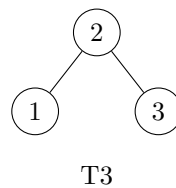


T5:(3 2 1)

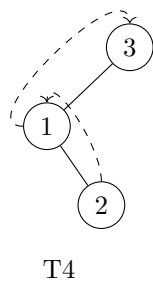
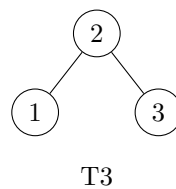
There is a total of 5 different BST trees.



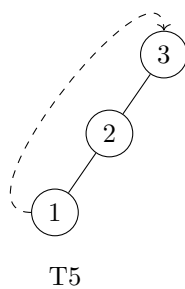
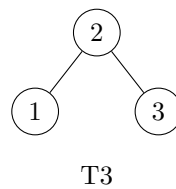
Left rotation



Right-left rotation



Left-right rotation



Right rotation

