Name:_____   Name:_____
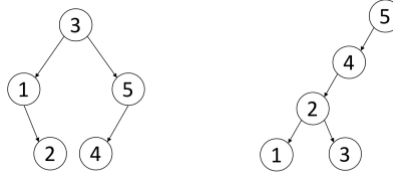
Name:_____   Name:_____

Algorithms, Binary Search Trees - Friday, March 19, 2021

1. What is the average number of hops needed for looking up elements in the following trees?

2. Given a (potentially unbalanced) binary search tree, how many hops do we need to make in the worst case to search or insert?

3. How do you find the minimum element in a BST?

4. How do you find the maximum element in a BST?

5. How do you find the Predecessor of an element in a BST?

6. How do you find the Successor of an element in a BST?