빅데이터 혁신공유대학

파이썬으로 배우는 데이터 구조

한동대학교 전산전자공학부 김영섭 교수











Data Structures in Python Chapter 7 - 2

- Binary Search Tree(BST)
- BST Algorithms
- AVL Tree
- AVL Algorithms



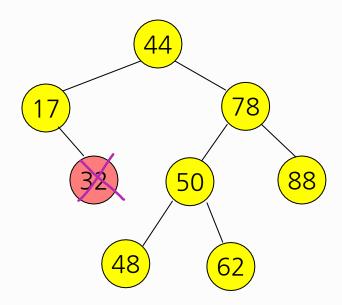






Final - 다음 결과를 PPT혹은 그림파일로 Piazza에 올립니다.

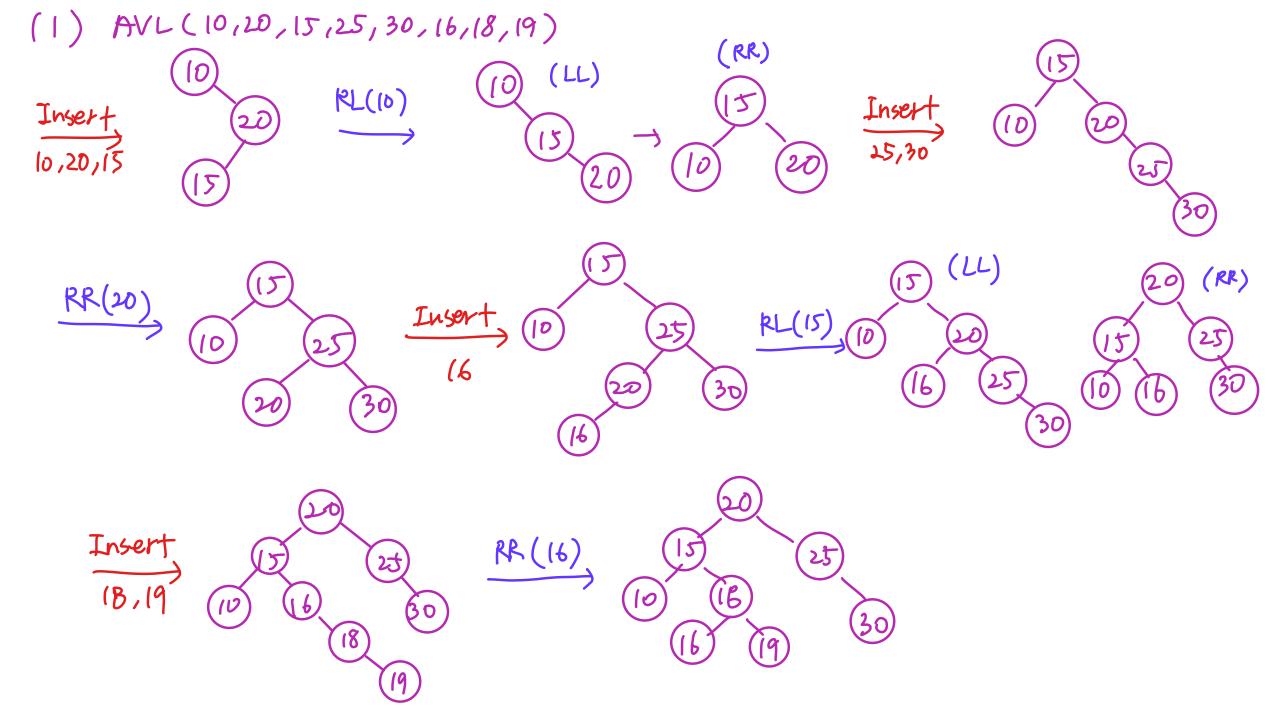
- Draw AVL trees whenever the tree changes its shape by insertion and deletion. Include trees before
 and after its rotation and the type of rotation.
- Tree가 모양을 바꿀 때마다 AVL tree들을 그리고, 각 단계별로 LL, RR, LR, RL case를 표시하고, Double Rotation일 경우에는 이를 표시하고, 또한 동시에 LL/RR로 경우를 나누어 나타내십시오.
- (1) [2.0점] Insert the sequence of elements (10, 20, 15, 25, 30, 16, 18, 19) into an AVL tree. (1) Delete 30 in the AVL tree that you got above and rebalance it
- (2) [0.5점] Delete 32 in the AVL tree shown below and rebalance it.



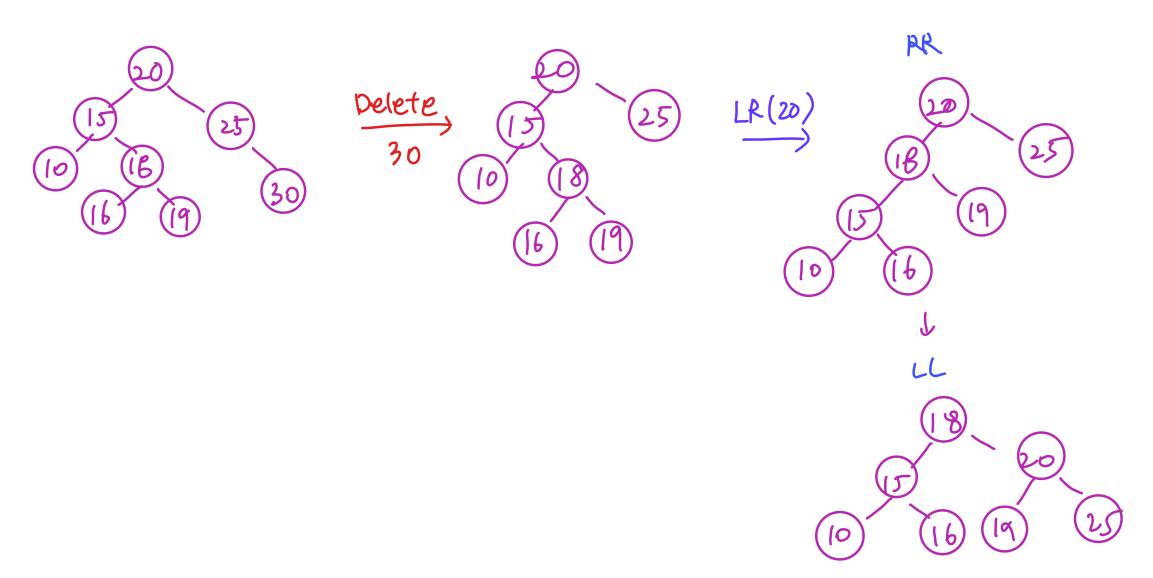


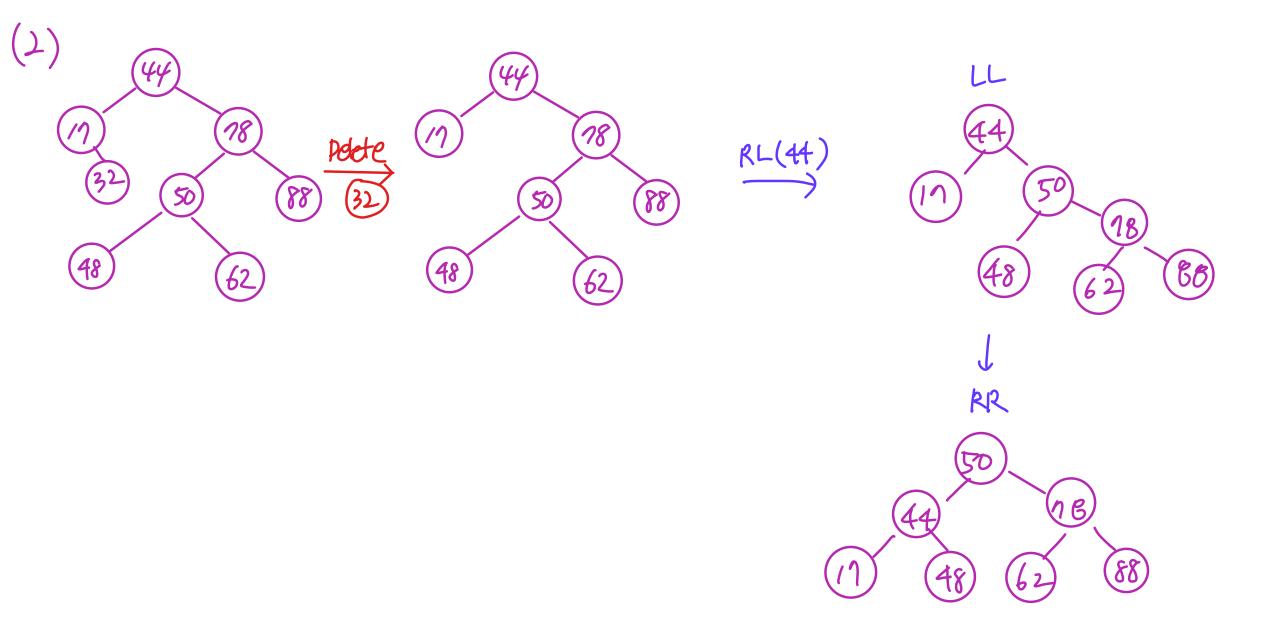






(1) Delete 30







Data Structures in Python Chapter 7 - 2

- Binary Search Tree(BST)
- BST Algorithms
- AVL Tree
- AVL Algorithms







