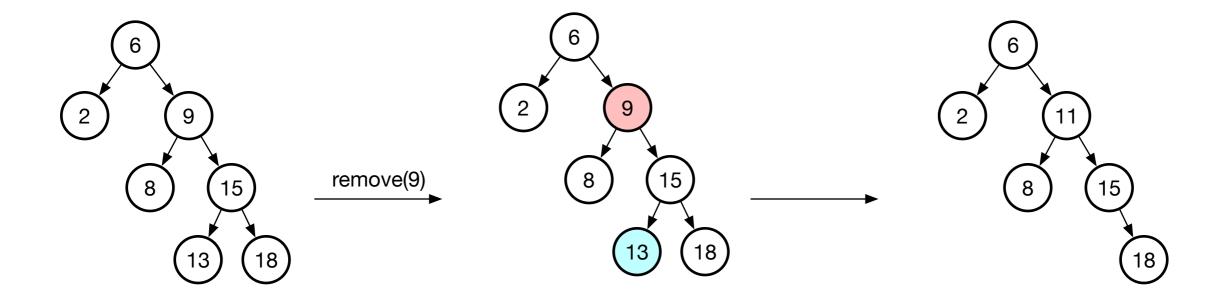
Section 03 - Review

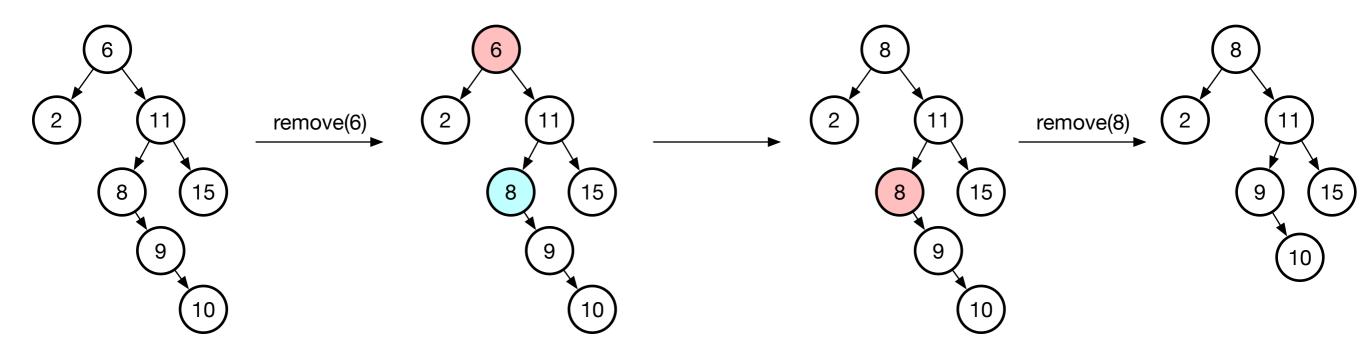
BST's and AVL Trees

Node Removals in BST's



- 1. Non-empty left subtree
- 2. Find minimum in right subtree
- 3. Assign minimum value to node
- 4. Delete node with minimum value

Node Removals in BST's

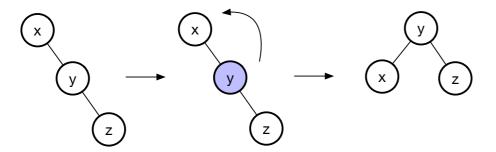


- 1. Proceeding as before, we are left with deleting node with value 8
- 2. Empty left subtree
- 3. Attach right subtree of 8 to its parent

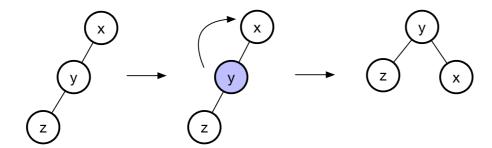
Examples inspired from http://www.mathcs.emory.edu/~cheung/Courses/171/Syllabus/9-BinTree/BST-delete2.html

AVL Rotations

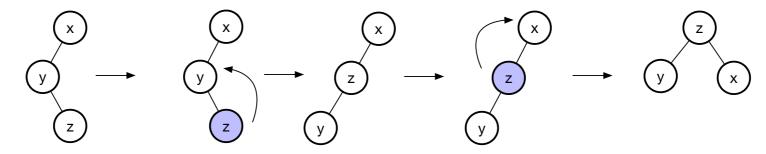
Left Rotation:



Right Rotation:



Left-Right Rotation:



Right-Left Rotation:

