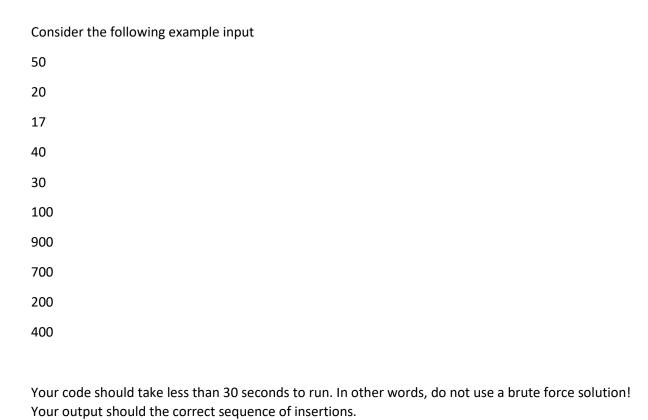
AVL Tree

Given a set of keys, identify a particular permutation to insert the keys into an empty AVL tree. After the insertion of EACH key, following all conditions should be satisfied.

- 1. The resulting tree should be an AVL tree without requiring any rotation.
- 2. For every node in the tree, one of the following condition is always satisfied
 - both right and left subtree contain either equal number of keys
 - number of keys in the left subtree are greater than number of keys in the right subtree by one



Since this is a quiz for the theory course, I expect you to derive the logic for correct sequence of

How your code should compile: g++ main.cpp

insertions. Therefore, no example output is given.

How your code should run: ./a.out <input1.txt >output1.txt