# Homework 6

OPTIONAL PROBLEMS
(No due date)

## 1  Written Problems

### Balanced Tree

Implement a function to check if a tree is balanced. For the purposes of this question, a balanced tree is defined to be a tree such that no two leaf nodes differ in distance from the root by more than one.

**Note:** You may want to write additional helper methods that can be used in your solution.

### Binary Tree from sorted array

Given a sorted (increasing order) array, write an algorithm to create a binary tree with minimal height.