

## HOMework 12

Submission deadline: Sunday 8th of December, 20:00.

Any question, write to [giovanni.casini@uni.lu](mailto:giovanni.casini@uni.lu)

### QUESTION 1

Write an algorithm that, given a binary tree, checks if the tree is weight-balanced.

A binary tree is weight-balanced if for each node it holds that the number of nodes in the left subtree and the number of nodes in the right subtree differ by at most 1.

### QUESTION 2

Write an algorithm that, given a binary tree, prints for every leaf in the tree a path taking from the root to the leaf.

=====

- **Communication.**

As mentioned in class:

- (1) Let us know by Thursday the 5th of December if you are interested in giving your presentation in the coming Monday (9 December) instead of waiting for the last lecture (16 December).
- (2) Apologies for the delay in marking homework 9, it will be done soon.