Problem Sheet: Trees

- 1. Construct all (non-isomorphic) trees of heights from one to four, that have five vertices. [1]. Note that there is one of height one, four of height two, three of height three, and one of height four.
- 2. Construct two non-isomorphic rooted trees both having twelve vertices, six leaves, and height four [1].
- 3. Calculate the minimum height of a ternary rooted tree with ten leaves.

References

[1] N. Biggs. Discrete Mathematics. Oxford science publications. OUP Oxford, 2002.