Homework Project 2

Given 10/05/2017, Due 10/25/2017

Take the height-balanced tree code, and add a function

$$\texttt{int depth\_distribution(tree\_node\_t *tree);}$$

which prints the total number of leaves, and a table giving the number of leaves at different depths. The depth of a tree node is the distance from the root, so the root has depth 0. Send only the code of your function, do not include my height-balanced tree code. The programming language is C or C++; test your code before submission using the `gcc` or `g++` compiler. Please remove all dead code; try to program as clearly as possible, since I try to read it. Do not copy code from another student or from the web; this is an easy project, and must be all your own work.

Submit your source code by e-mail to `phjmbrass@gmail.com`; include the course (220) and homework number in the subject line, and your name as a comment in the homework file.