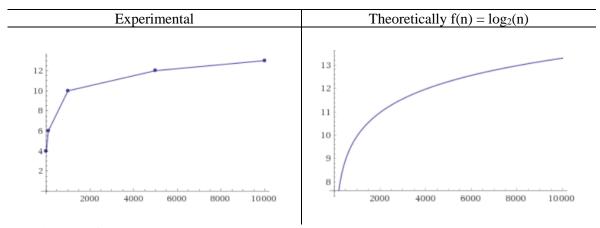
University of Costa Rica
Faculty of Engineering
Electrical Engineering School
Programming and Microcomputers Laboratory
1st Project: AVL Tree implementation using C++
Kevin Trejos Vargas
B26708
II-2018

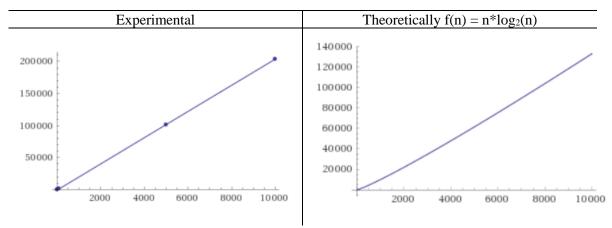
Summary of the laboratory

Behavior of the height:



Experimental: $f(n) = \{(10, 4), (100, 6), (1000, 10), (5000, 12), (9998, 13)\}$

Behavior of the time:



Experimental: {(10, 125 us), (100, 1052 us), (5000, 101454 us), (9998, 203652 us)}

Conclusion:

Behavior for both is quite the same, the difference remains in the behavior of the time when creating the tree, and this could be cause the pointers can be located anywhere in the memory of the computer, so the times accessing the pieces of memory can vary, also could be cause the computer is busy with many processes.