Lab 2, Wednesday, January 20

With your lab partner(s), do the following. Discuss, and work together to code. Plan and comment your code using good top-down design and modularity.

In-Person Lab, Part 1: Using the agent-based implement of a binary search tree developed in class, write a procedure to display the tree and its values with the root at the top and leaves at the bottom. Your display should accomplish the following:

- Use the label of a turtle to start the value
- Links can be used to visualize parent-child. Turn wrapping off!
- Use the depth of the tree to space out the children's y-coordinate.
- The root of each subtree can split the remaining x-space
- Use built-in constants: world-height, world-width, max-pxcor, min-pxcor, max-pycor, and min-pycor

Part 2. Swap roles. Do one of the following:

- Live updates of visualization on insert and delete
- Use an agent to animate search, and in-order traversal

SUBMIT: Name your code as follows: **`Lab2-Name1Name2.nlogo`**. Submit the final code to the drop-box before the next class period. Labs are not formally graded, but will be marked for credit or no-credit.