

1.) Write a breadth-first search over the given binary tree definition, along with appropriate tests. As a hint, think about the sort of interface you'll need for your search to enable testing.

2.) Write a preorder depth-first search over the given binary tree definition, along with appropriate tests. As a hint, think about the sort of interface you'll need for your search to enable testing.

3.) Write a recursive method that will determine the maximum depth of a given binary tree, along with appropriate tests.