Problem 3 Test Plan

Part a: Y

Part b: Y

The expected result and the actual result match up

|  |  |  |
| --- | --- | --- |
| Test input | Expected result | Actual result |
| BinarySearchTree problem3Tree;  problem3Tree.insert("E");  problem3Tree.insert("B");  problem3Tree.insert("A");  problem3Tree.insert("C");  problem3Tree.insert("F");  problem3Tree.insert("G");  //Problem 3 part A  cout << '\n' << "Problem 3 part A: " << endl;  cout << "Test printLevel(0): ";  problem3Tree.printLevel(0);  cout << '\n' << "Test printLevel(1): ";  problem3Tree.printLevel(1);  cout << '\n' << "Test printLevel(2): ";  problem3Tree.printLevel(2);  cout << '\n' << "Test printLevel(3): ";  problem3Tree.printLevel(3);  //return 0;  //Problem 3 Part B  cout << '\n' << "Problem 3 part B: " << endl;  Action action;  problem3Tree.postorder(&action); | Problem 3 part A:  Test printLevel(0): E  Test printLevel(1): BF  Test printLevel(2): ACG  Test printLevel(3):  Problem 3 part B:  A Problem3  C Problem3  B Problem3  G Problem3  F Problem3  E Problem3 | Problem 3 part A:  Test printLevel(0): E  Test printLevel(1): BF  Test printLevel(2): ACG  Test printLevel(3):  Problem 3 part B:  A Problem3  C Problem3  B Problem3  G Problem3  F Problem3  E Problem3 |