2) The function isn’t capable of using the =! Operator, thus it is unable to strictly compare two objects as the function dictates, thus an error arises.

3b) If we do not have the string as parameter, then we would not be able to concatenate the strings properly with only 1 string. It does not have the parameter path so we every time the value is reduced by 1.

4a) O(N^3). The loops in this problem are contained 1 by 1. There are 3 loops of which is possible to be looped through.

4b) The time complexity is O(N^3). Again, there are 3 loops separated. And the worst case scenario is that we go through each of these loops.

5a) The time complexity is O(n) because the constants representing the assignments are getting added up so O(N+c), which doesn’t change the multiplicity.

5b) The time complexity is again O(n) because again constants are getting up since this function is of constant time. The loops are O(n+n+n) which is equal to O(n)