Kyler Tolleson
CS 2420
January, 29 2015

Assignment 3 Analysis Document

1. Logan Cox was my partner and I submitted the source code.
2. We swapped roles at various points throughout the assignment, I personally prefer to type the code simply because I can type quickly, but I feel we swapped roles sufficiently.
3. Logan Cox is a fantastic partner to work with because him and I work very well together and I plan to work with him as often as I can.
4. We would not have had to make sure the array doubled in size whenever it got too big, we could simply have our List expand and contract as needed.
5. I think it is probably log(n) because you don't actually need to check every single element in the array, assuming the array is sorted.
6. Yes it calculated to log(n)
7. log(n), N^2
8. We spent around five and a half hours completing this assignment.