

Jiacheng Yuan

ECE368

Oct. 6, 2015

Project 1 Report

1. For Algorithms, please see code. No optimizations.
2. The shell Insertion have better time and space complexity than improved bubble sort
- 3.

	run-time	number of comparisons	number of moves
shell insertion sort	faster	less	less
improved bubble sort	slower	more	more

4. They all have sequence generate that requires memory and all have one temp value.

Therefore they have same space complexity.