Problem 8

Size of input	Time for Liner insertion sort	Time for Binary insertion sort
100	15 microseconds	37 microseconds
1000	946 microseconds	1040 microseconds
10000	94378 microseconds	77318 microseconds
100000	12290395 microseconds	9701049 microseconds

Complexity	Liner insertion sort	Binary insertion sort
Best case	O(n)	O(n*log(n))
Average case	O(n^2)	O(n^2)
Worst case	O(n^2)	O(o^2)