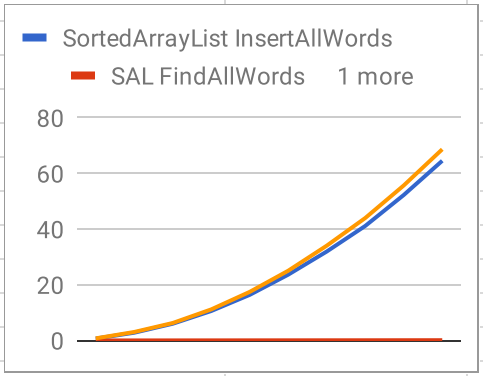
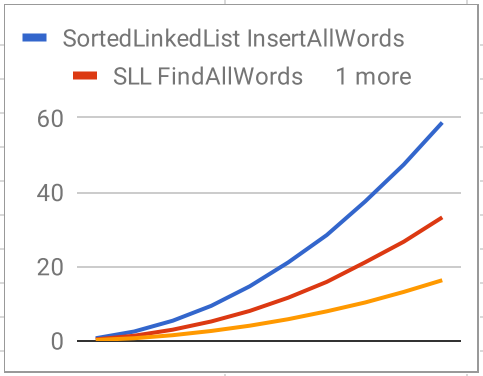
Partition (of N)	SortedArrayList InsertAllWords	SAL FindAllWords	SAL RemoveAllWords
1	0.697415	0.007987	0.76469
2	2.79825	0.017168	3.05747
3	6.02331	0.025881	6.28751
4	10.596	0.036608	11.1752
5	16.4041	0.046958	17.4753
6	23.6636	0.057462	25.0767
7	31.9677	0.067851	34.0697
8	41.1571	0.074415	44.0047
9	52.2778	0.089426	55.7064
10	64.5719	0.100938	68.6952



Partition (of N)	SortedLinkedList InsertAllWords	SLL FindAllWords	SLL RemoveAllWords
1	0.605007	0.286563	0.138724
2	2.42679	1.28769	0.608512
3	5.33091	2.91247	1.43016
4	9.34019	5.12698	2.56903
5	14.6092	7.97026	3.98797
6	21.0477	11.5373	5.74041
7	28.4066	15.793	7.85736
8	37.488	21.086	10.2508
9	47.4033	26.6205	13.0925
10	58.7381	33.1814	16.2372



class::method()	Expected Time Complexity	Graph Observed Time Complexity
SAL::insert()	O(N^2)	O(N^2)
SAL::find()	O(N)	O(1)
SAL::remove()	O(N^2)	O(N^2)
SLL::insert()	O(N)	O(N^2)
SLL::find()	O(N)	O(N log N)
SLL::remove()	O(N)	O(N)

Partition (of N)	SortedArrayList InsertAllWords	SAL FindAllWords	SAL RemoveAllWords	**NAME**		
	class::method()	Graph Observed Complexity: random.txt	Graph Observd Complexity: sort.txt			
	SAL::insert_all_words()	O(N^2)	O(N log N)			
	SAL::find_all_words()	O(1)	O(1)			
	SAL::remove_all_words()	O(N^2)	O(N^2)			
	SAL::insert_all_words()	O(N^2)	O(N^2)			
	SAL::find_all_words()	O(N log N)	O(N log N)			
	SAL::remove_all_words()	O(N)	O(1)			