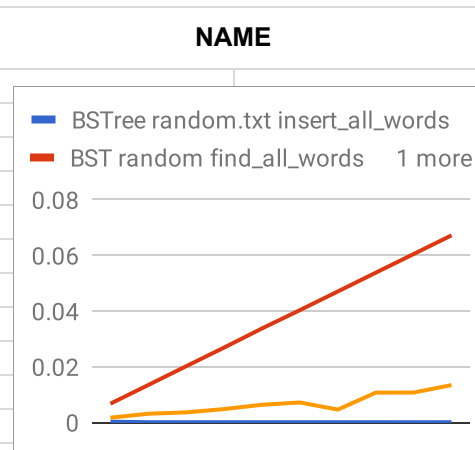
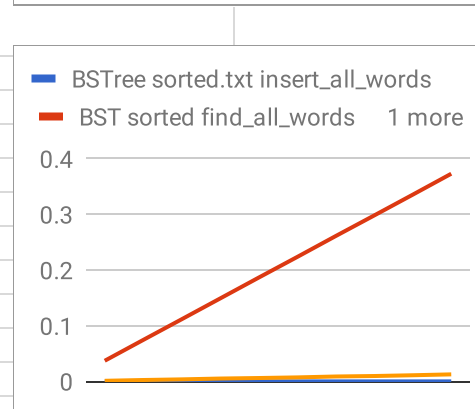


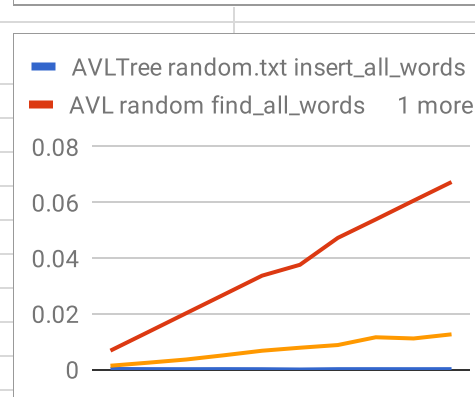
Partition (of N)	BSTree random.txt insert_all_words	BST random find_all_words	BST random remove_all_words
1	0.000295	0.006763	0.001726
2	1.02E-04	0.013486	0.003149
3	8.70E-05	0.020225	0.003642
4	0.000107	0.026931	0.004826
5	9.30E-05	0.0338	0.006356
6	0.000102	0.040381	0.007201
7	9.20E-05	0.047081	0.004631
8	9.60E-05	0.053824	0.01073
9	8.40E-05	0.060524	0.010762
10	0.000103	0.067244	0.013441



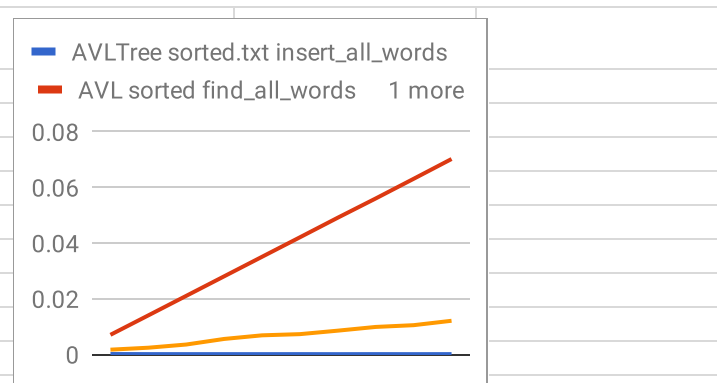
Partition (of N)	BSTree sorted.txt insert_all_words	BST sorted find_all_words	BST sorted remove_all_words
1	0.00037	0.03727	0.001254
2	0.000204	0.074683	0.002675
3	0.000189	0.111871	0.003823
4	0.000198	0.149256	0.005315
5	0.000206	0.18668	0.006246
6	0.0002	0.223756	0.007366
7	0.000195	0.261317	0.008983
8	0.000207	0.298334	0.009839
9	0.000183	0.335621	0.011214
10	0.000205	0.373247	0.012803



Partition (of N)	AVLTree random.txt insert_all_words	AVL random find_all_words	AVL random remove_all_words
1	0.000182	0.00678	0.001357
2	0.000131	0.013493	0.00245
3	0.000113	0.020239	0.003593
4	0.000134	0.026964	0.005117
5	0.000105	0.033711	0.006743
6	0	0.037622	0.007822
7	0.000122	0.047291	0.008789
8	0.000124	0.053919	0.011581
9	0.000116	0.060669	0.011147
10	0.000128	0.067351	0.012637



Partition (of N)	AVLTree sorted.txt insert_all_words	AVL sorted find_all_words	AVL sorted remove_all_words
1	0.000168	0.007072	0.001735
2	0.000136	0.01406	0.002439
3	0.000128	0.021071	0.003582
4	0.00013	0.028088	0.005589
5	0.000126	0.035107	0.006888
6	0.000134	0.042115	0.007313
7	0.00012	0.049165	0.008567
8	0.000136	0.056064	0.009904
9	0.000123	0.063123	0.010535
10	0.000137	0.070233	0.012116



	class::method()	Expected Time Complexity	Graph Observed Time Complexity
	BST::insert()	$O(N)$	$O(N)$
	BST::find()	$O(N)$	$O(N)$
	BST::remove()	$O(N)$	$O(N)$
	AVL::insert()	$O(\log N)$	$O(\log N)$
	AVL::find()	$O(\log N)$	$O(N)$
	AVL::remove()	$O(\log N)$	$O(N)$