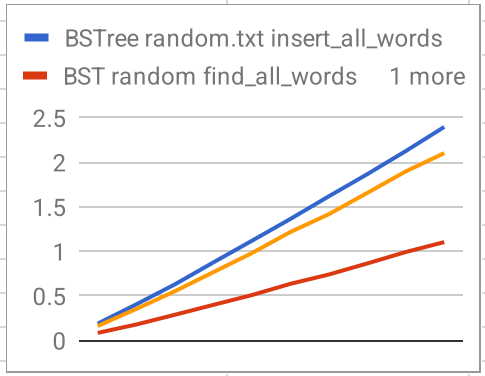
Partition (of N)	BSTree random.txt insert_all_words	BST random find_all_words	BST random remove_all_words
1	0.189936	0.085524	0.162963
2	0.405645	0.179616	0.353913
3	0.629334	0.288547	0.55278
4	0.876061	0.399809	0.76651
5	1.11861	0.5095	0.980459
6	1.36353	0.635786	1.21717
7	1.61845	0.740673	1.41753
8	1.86729	0.865085	1.65661
9	2.12678	0.993233	1.89821
10	2.39775	1.1048	2.10377

NAME

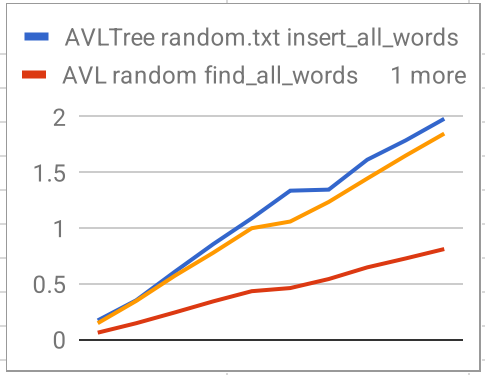


Partition (of N)	BSTree sorted.txt insert_all_words	BST sorted find_all_words	BST sorted remove_all_words
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

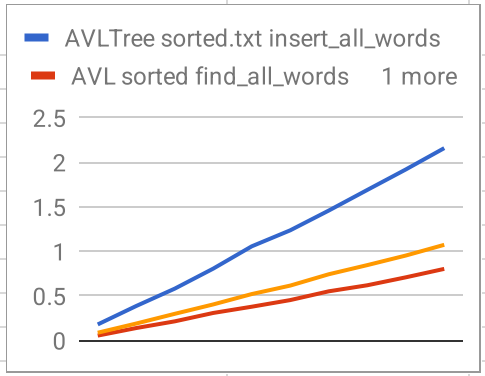
Add a series to

TOOK TOO LONG!!!
STACK OVERFLOW!
IMPLEMENTATION WAS USING RECURSION NOT ITERATION

Partition (of N)	AVLTree random.txt insert_all_words	AVL random find_all_words	AVL random remove_all_words
1	0.171462	0.061372	0.146474
2	0.352379	0.146389	0.346659
3	0.608362	0.242855	0.571991
4	0.856783	0.342606	0.779387
5	1.08846	0.43386	0.999526
6	1.3367	0.46198	1.05959
7	1.34608	0.543038	1.23568
8	1.6148	0.647883	1.44582
9	1.78863	0.728166	1.65202
10	1.98244	0.812384	1.84935



Partition (of N)	AVLTree sorted.txt insert_all_words	AVL sorted find_all_words	AVL sorted remove_all_words
1	0.180383	0.054929	0.087451
2	0.387452	0.139907	0.190636
3	0.582243	0.214977	0.299453
4	0.807053	0.309228	0.405014
5	1.05733	0.379323	0.52141
6	1.23712	0.453803	0.616503
7	1.45883	0.552165	0.743721
8	1.69015	0.620041	0.846343
9	1.92	0.70914	0.953754
10	2.15985	0.804064	1.07424



class::method()	Expected Time Complexity	Graph Observed Time Complexity
BST::insert()	O(N)	O(N^2)
BST::find()	O(N)	O(N^2)
BST::remove()	O(N)	O(N^2)
AVL::insert()	O(log N)	O(N log N)
AVL::find()	O(log N)	O(N log N)
AVL::remove()	O(log N)	O(N log N)