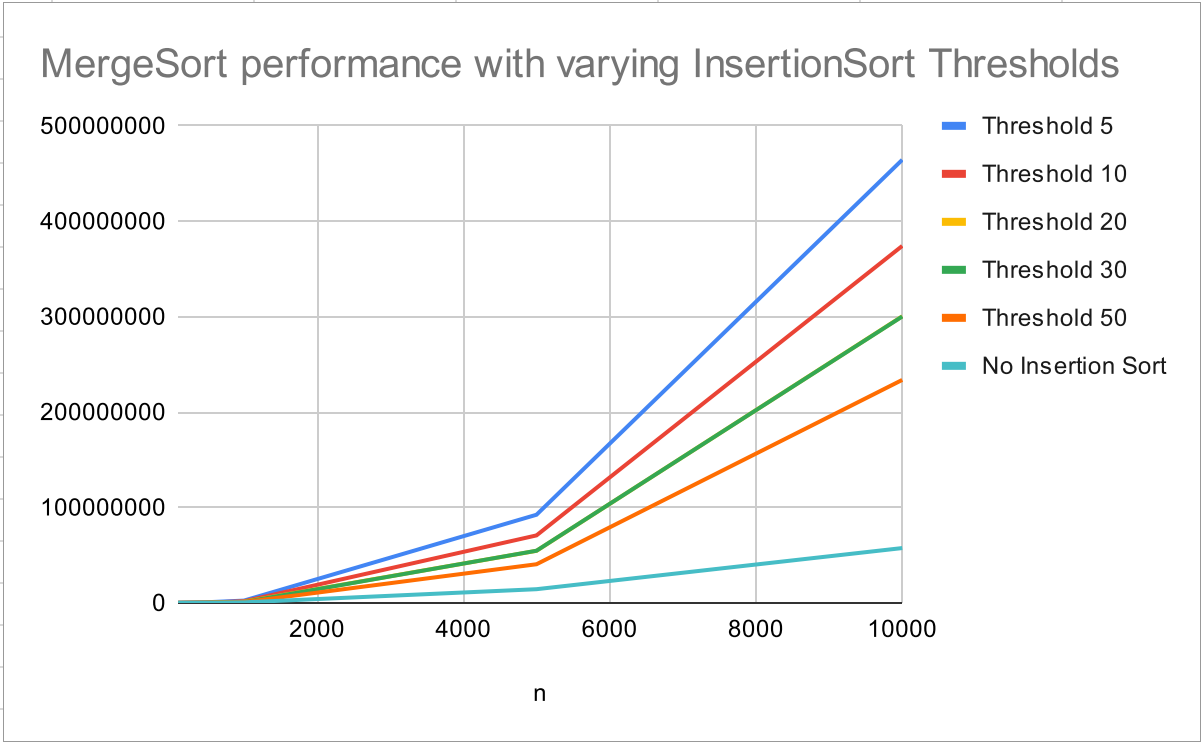
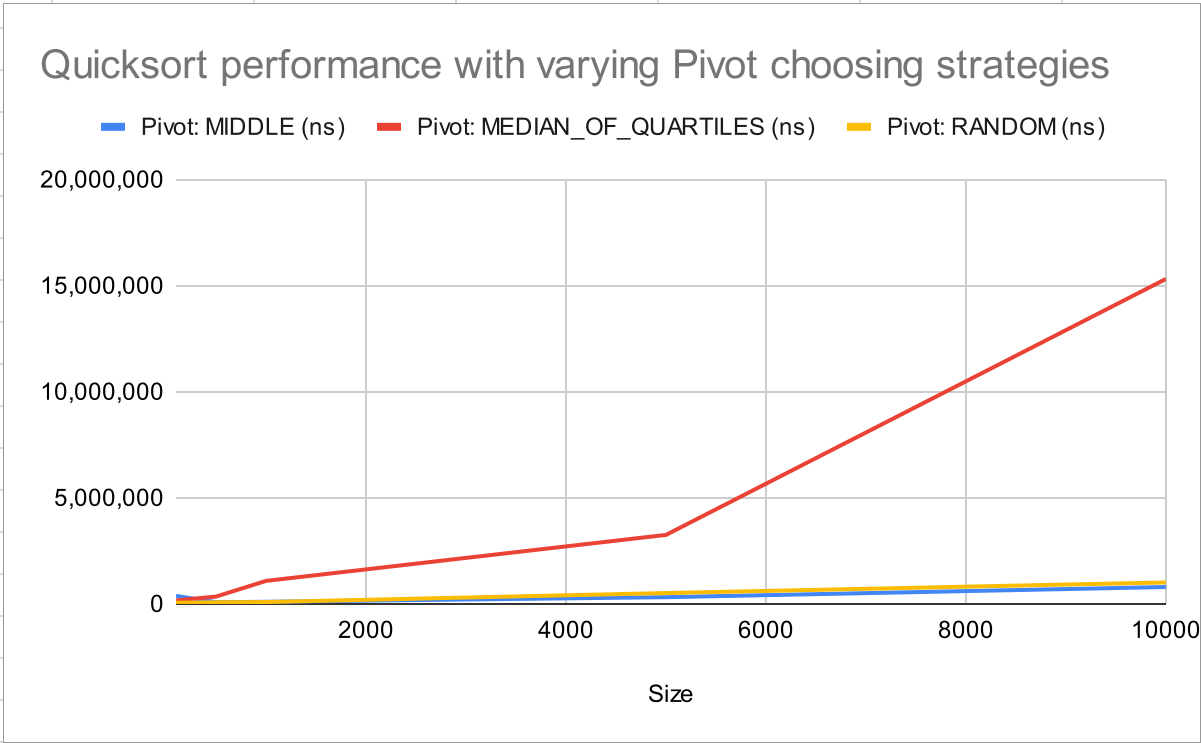


MergeSort performance with varying InsertionSort Thresholds						
n	Threshold 5	Threshold 10	Threshold 20	Threshold 30	Threshold 50	No Insertion Sort
100	261333	16116	9516	6641	6941	8941
500	709800	312933	216900	165816	130925	170041
1000	2406241	1691241	1207233	866050	819241	569691
5000	92395691	70748000	54583041	54675100	40514066	14359008
10000	464367891	374126683	300346917	300168683	233694600	57462516



Quicksort performance with varying Pivot choosing strategies			
Size	ivot: MIDDLE (ns)	ivot: MIDDLE (ns)	ivot: RANDOM (ns)
100	377,954	164,683	52,574

500	79,212	346,287	75,991			
1000	98,841	1,084,504	87,421			
5000	316,008	3,251,874	511,254			
10000	795,400	15,315,141	1,011,429			



Quicksort vs Mergesort performance

Size	QuickSort Best Case (ns)	QuickSort Average Case (ns)	QuickSort Worst Case (ns)	MergeSort Best Case (ns)	MergeSort Average Case (ns)	MergeSort Worst Case (ns)
100	68,883	93,662	158,391	80,779	40,062	13,370
500	578,258	219,674	243,362	30,525	40,775	31,220
1000	881,062	1,001,787	940,374	53,887	75,341	55,033
5000	41,151,858	40,371,320	39,461,687	266,483	426,821	292,716
10000	228,828,466	228,852,912	227,957,741	599,153	925,516	636,104

