Execution times shown in microseconds

Insertion Sort when n = 5000		Merge Sort when n = 5000	
Case 1	27882		3387
Case 2	29472		3371
Case 3	28871		3388
Case 4	28737		3364
Case 5	28578		3342
Case 6	28385		3328
Case 7	28451		3337
Average	28625.14286	Average	3359.571429

Insertion Sort n = 10000		Merge Sort when n = 10000	
Case 1	111270		6971
Case 2	113355		6917
Case 3	114584		7051
Case 4	112812		6939
Case 5	115258		6939
Case 6	113686		6940
Case 7	111813		6938
Average	113254	Average	6956.428571

Insertion Sort when n = 15000		Merge Sort when n = 15000	
Case 1	256543		10536
Case 2	248202		10735
Case 3	257089		10710
Case 4	259824		10564
Case 5	272179		10723
Case 6	258969		10697
Case 7	259826		10574
Average	258947.4286	Average	10648.42857

Insertion Sort when n = 20000		Merge Sort when n = 20000	
Case 1	447852		14122
Case 2	455642		14365
Case 3	466515		26595
Case 4	447902		13966
Case 5	455910		14002
Case 6	454481		13905
Case 7	456434		14389
Average	454962.2857	Average	15906.28571

Insertion Sort when n = 25000		Merge Sort when n = 25000	
Case 1	711064		18099
Case 2	718384		18030
Case 3	715441		18096
Case 4	715304		17970
Case 5	715340		18886
Case 6	711505		18103
Case 7	701322		18157
Average	712622.8571	Average	18191.57143

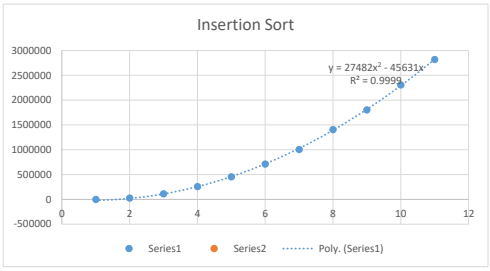
Insertion Sort when n = 30000		Merge Sort when n = 30000	
Case 1	1013039		21169
Case 2	1064608		21491
Case 3	1006616		21387
Case 4	998576		21183
Case 5	996606		21459
Case 6	984144		21516
Case 7	984449		22448
Average	1006862.571	Average	21521.85714

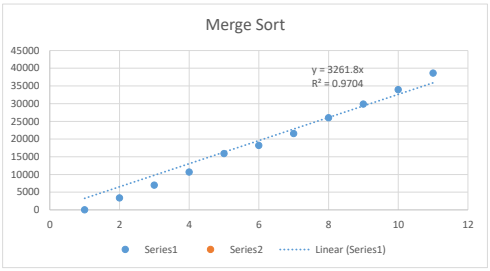
Insertion Sort when n = 35000		Merge Sort when n = 35000	
Case 1	1402562		25892
Case 2	1399681		25904
Case 3	1393465		25789
Case 4	1421480		25832
Case 5	1433113		26473
Case 6	1415688		26215
Case 7	1390647		25887
Average	1408090.857	Average	25998.85714

Insertion Sort when n = 40000		Merge Sort when n = 40000	
Case 1	1844199		29837
Case 2	1828729		30141
Case 3	1811233		29672
Case 4	1790732		30125
Case 5	1810151		29757
Case 6	1766279		29673
Case 7	1782301		29697
Average	1804803.429	Average	29843.14286

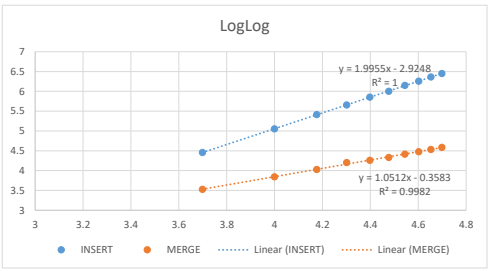
Comparing Average Execution Times

n	Insertion Sort	Merge Sort
5000	28625.14286	3359.571429
10000	113254	6956.428571
15000	258947.4286	10648.42857
20000	454962.2857	15906.28571
25000	712622.8571	18191.57143
30000	1006862.571	21521.85714
35000	1408090.857	25998.85714
40000	1804803.429	29843.14286
45000	2306175	33953.85714
50000	2819980	38622.85714





n	3.69897	4	4.176091	4.30103	4.39794	4.477121	4.544068	4.60206	4.653213	4.69897
INSERT	4.456748	5.054054	5.413212	5.657975	5.85286	6.00297	6.148631	6.25643	6.362892	6.450246
MERGE	3.526284	3.842386	4.027286	4.201569	4.25987	4.33288	4.414954	4.474845	4.530889	4.586844



Insertion Sort when n = 45000		ort when n = 45000	
Case 1	2345185		34052
Case 2	2268471		34303
Case 3	2321180		33833
Case 4	2313617		33888
Case 5	2305322		33823
Case 6	2289899		33904
Case 7	2299551		33874
Average	2306175	Average	33967.17

Insertion Sort when n = 50000		ort when n = 50000	
Case 1	2770544		38533
Case 2	2817783		38856
Case 3	2806014		38755
Case 4	2817098		38511
Case 5	2830572		38570
Case 6	2843234		38408
Case 7	2854615		38727
Average	2819980	Average	38605.5