

Sheet1

Random		(size)	(time)	Ascend	
	Bubble				Bubble
1		50000	11.9689		1
2		100000	47.3909		2
3		150000	107.954		3
4		200000	191.54		4
5		250000	299.514		5
6		300000	430.485		6
7		350000	585.947		7
8		400000	764.042		8
	Insertion				Insertion
1		50000	1.94348		1
2		100000	7.77088		2
3		150000	17.5402		3
4		200000	31.0507		4
5		250000	48.5504		5
6		300000	69.9161		6
7		350000	95.3675		7
8		400000	124.304		8
	Merge				Merge
1		500000	0.003146		1
2		1000000	0.006053		2
3		1500000	0.009409		3
4		2000000	0.012828		4
5		2500000	0.01519		5
6		3000000	0.029532		6
7		3500000	0.032872		7
8		4000000	0.036098		8
	Quick				Quick
1		500000	0.124853		1
2		1000000	0.216816		2
3		1500000	0.294504		3
4		2000000	0.37508		4
5		2500000	0.459387		5
6		3000000	0.541669		6
7		3500000	0.628509		7
8		4000000	0.714065		8
	Selection				Selection
1		500000	2.8836		1
2		1000000	11.244		2
3		1500000	25.9315		3
4		2000000	45.2093		4
5		2500000	70.6976		5
6		3000000	101.258		6
7		3500000	137.514		7

8

4000000

179.787

8

Sheet1

(size)	(time)	Descend		(size)	(time)
			Bubble		
500000	0.001945	1		50000	13.9565
1000000	0.002808	2		100000	55.5619
1500000	0.003574	3		150000	125.751
2000000	0.005027	4		200000	222.614
2500000	0.006331	5		250000	347.766
3000000	0.007037	6		300000	501.021
3500000	0.00864	7		350000	685.139
4000000	0.009724	8		400000	893.854
			Insertion		
500000	0.001949	1		50000	3.93255
1000000	0.004091	2		100000	15.5294
1500000	0.009395	3		150000	34.9073
2000000	0.008003	4		200000	61.8617
2500000	0.010014	5		250000	96.7701
3000000	0.0116	6		300000	139.489
3500000	0.013887	7		350000	189.617
4000000	0.016022	8		400000	247.945
			Merge		
500000	0.006166	1		500000	0.006751
1000000	0.013597	2		1000000	0.011559
1500000	0.01893	3		1500000	0.017505
2000000	0.02414	4		2000000	0.023575
2500000	0.029291	5		2500000	0.028928
3000000	0.033809	6		3000000	0.042449
3500000	0.037403	7		3500000	0.037376
4000000	0.042105	8		4000000	0.042201
			Quick		
500000	0.040478	1		500000	0.073747
1000000	0.078631	2		1000000	0.139108
1500000	0.115474	3		1500000	0.176979
2000000	0.135415	4		2000000	0.229071
2500000	0.156517	5		2500000	0.264423
3000000	0.186033	6		3000000	0.296578
3500000	0.208242	7		3500000	0.358683
4000000	0.22591	8		4000000	0.408041
			Selection		
500000	2.66274	1		500000	2.77002
1000000	10.6562	2		1000000	10.8709
1500000	23.7611	3		1500000	24.4027
2000000	41.6607	4		2000000	43.324
2500000	64.9266	5		2500000	67.52
3000000	93.6594	6		3000000	97.5589
3500000	127.879	7		3500000	132.75

Sheet1

4000000	167.01	8	4000000	173.584
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