

Sorting Algorithms Profiling

	Comparisons					
	1000	2000	5000	10000	50000	100000
Selection sort + random dataset	499500	1999000				
Selection sort + reversed dataset	499500	1999000				
Selection sort + sorted dataset	499500	1999000				
Insertion sort + random dataset	999	1999				
Insertion sort + reversed dataset	999					
Insertion sort + sorted dataset	999					
Quick sort + random dataset	11884					
Quick sort + reversed dataset	500500					
Quick sort + sorted dataset	500500					
Improved quick sort + random dataset						
Improved quick sort + reversed dataset						
Improved quick sort + sorted dataset						

	Swaps					
	1000	2000	5000	10000	50000	100000
Selection sort + random dataset	999	1999				
Selection sort + reversed dataset	999	1999				
Selection sort + sorted dataset	999	1999				
Insertion sort + random dataset	0	0				
Insertion sort + reversed dataset	0					
Insertion sort + sorted dataset	0					
Quick sort + random dataset	6262					
Quick sort + reversed dataset	251000					
Quick sort + sorted dataset	251000					
Improved quick sort + random dataset						
Improved quick sort + reversed dataset						
Improved quick sort + sorted dataset						

	Normalized Execution Count					
	1000	2000	5000	10000	50000	100000
Selection sort + random dataset	499.5	999.5				
Selection sort + reversed dataset	499.5	999.5				
Selection sort + sorted dataset	499.5	999.5				
Insertion sort + random dataset	0.99	1.99				
Insertion sort + reversed dataset	0.99					
Insertion sort + sorted dataset	0.99					
Quick sort + random dataset	11.88					
Quick sort + reversed dataset	500.5					
Quick sort + sorted dataset	500.5					
Improved quick sort + random dataset						
Improved quick sort + reversed dataset						
Improved quick sort + sorted dataset						