

	Average time with error in ns/op (nanoseconds per oper)								
ns = nanoseconds	N = 1000			N = 10000					
N	Random permutations	Sorted array	Backwards array	Random permutations	Sorted array	Backwards array			
Bubble	1178590,085 ± 87520,720	951,346 ± 315,553	921406,652 ± 189689,757	255217852,733 ± 680997812,759	742,041 ± 201,694	88321559,367 ± 4517665,532			
Insertion	610649,807 ± 160463,329	919,918 ± 472,661	1028752,913 ± 235755,319	62722763,993 ± 24210953,813	876,092 ± 292,957	108788776,160 ± 19537361,757			
Insertion with BinarySearch	247003,234 ± 192853,744	17363,752 ± 6213,746	348144,971 ± 190662,055	33925273,067 ± 45647130,669	21150,055 ± 11881,664	30601039,887 ± 11914160,150			
Shell	79378,168 ± 15334,082	6555,233 ± 4778,451	21066,346 ± 9080,255	1384077,497 ± 793639,427	5473,933 ± 2913,814	250489,753 ± 121758,899			
Merge	151066,970 ± 24489,223	82920,427 ± 29277,698	84976,304 ± 70486,251	2029654,394 ± 964820,926	72140,415 ± 4855,674	877473,646 ± 80152,607			
Merge without memory	455879,721 ± 37984,115	8410,070 ± 3040,522	444960,969 ± 26012,802	42084549,293 ± 15219991,229	8908,770 ± 6712,054	55432089,099 ± 33369145,912			
Quick fixed	79418,880 ± 19361,317	19671,245 ± 2475,371	21440,423 ± 9084,955	1035059,586 ± 187122,564	20636,326 ± 9066,262	254206,804 ± 174603,320			
Quick with random pivot and three p	110933,308 ± 28651,837	96424,163 ± 30453,307	103063,513 ± 28109,328	1258183,693 ± 167903,164	95085,508 ± 107622,479	920167,522 ± 186096,416			
Quick for binary numbers (only posit	80334,156 ± 7579,524	47262,066 ± 14997,882	45594,234 ± 27119,812	1075355,435 ± 331508,190	47328,363 ± 9015,396	450580,892 ± 59133,431			
MSD for binary numbers	383685,874 ± 103178,928	350939,707 ± 65993,870	362635,834 ± 156557,380	4080042,539 ± 3574144,574	336195,538 ± 14973,871	3521541,767 ± 443309,397			
	1000 strings with length 50	10000 strings with length 500	10000 strings with length 5000						
MSD for Strings	194559,882 ± 22801,624	12910155,259 ± 7314118,429	122822320,200 ± 181481540,154						
	Random 1000	Random 10000	Random 100000						
LSD for longs sorted byte by byte	51691,361 ± 26508,671	591359,914 ± 768981,982	6031201,207 ± 4232844,955						
	Special cases	N = 1000	N = 10000						
	Quick sort fixed worst case	42319,308 ± 19310,903	76357,666 ± 155901,177						
	Quick sort random worst case	91590,638 ± 12494,677	95404,734 ± 11903,235						
	Quick sort for binary numbers	42245,609 ± 4272,054	42947,526 ± 2265,598						
	Merge sort worst case	289394,468 ± 452046,687	152932,512 ± 247154,205						
	Merge sort without memory worst case	586803,479 ± 398086,858	542598,335 ± 668315,836						