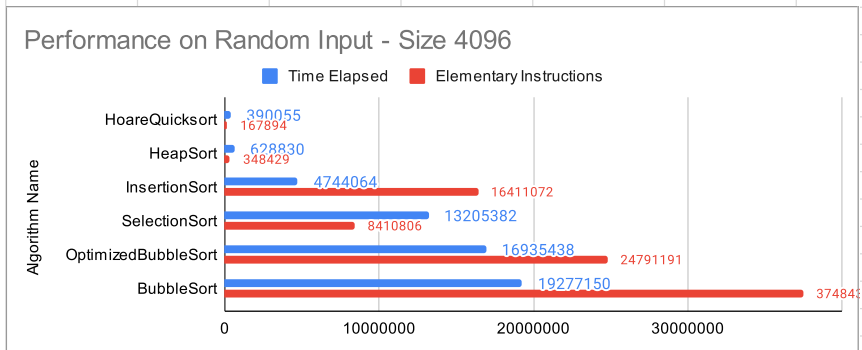


Performance on Random Input - Size 1024

Algorithm Name: Time Elapsed: Elementary Instructions:

LomutoQuickSort	621128	31251
HoareQuickSort	633789	34014
HeapSort	966773	70925
SelectionSort	4269761	529860
InsertionSort	5152260	1036188
OptimizedBubble	6742455	1559436
BubbleSort	11024545	2352563

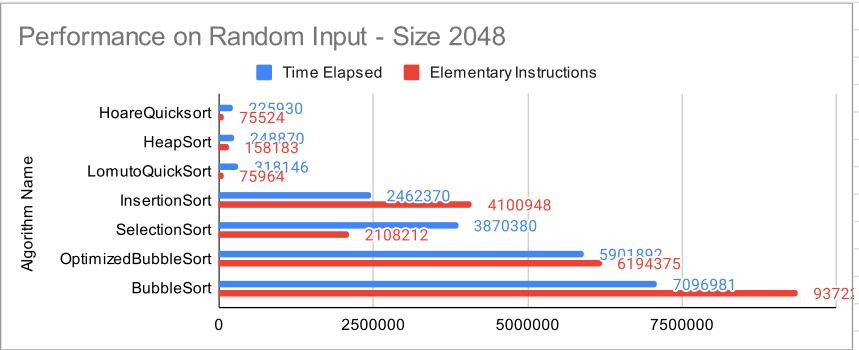


Performance on Random Input - Size 4096

Algorithm Name: Time Elapsed: Elementary Instructions:

LomutoQuickSort	316338	199419
HoareQuickSort	390055	167894
HeapSort	628830	348429
InsertionSort	4744064	16411072
SelectionSort	13205382	8410806
OptimizedBubble	16935438	24791191
BubbleSort	19277150	37484366

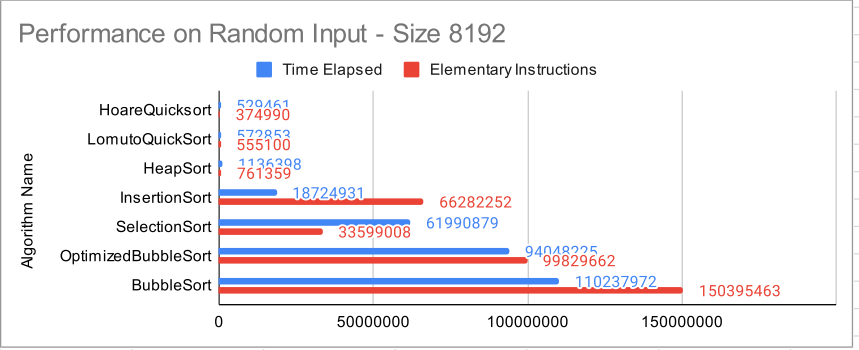
Performance on Random Input - Size 16384



Performance on Random Input - Size 2048

Algorithm Name: Time Elapsed: Elementary Instructions:

HoareQuickSort	225930	75524
HeapSort	248870	158183
LomutoQuickSort	318146	75964
InsertionSort	2462370	4100948
SelectionSort	3870380	2108212
OptimizedBubble	5901892	6194375
BubbleSort	7096981	9372285



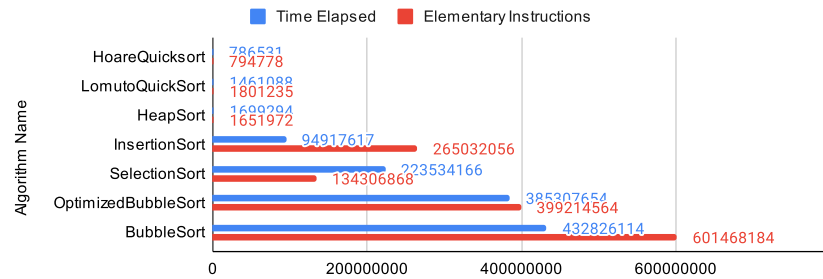
Performance on Random Input - Size 8192

Algorithm Name: Time Elapsed: Elementary Instructions:

HoareQuickSort	529461	374990
LomutoQuickSort	572853	555100
HeapSort	1136398	761359
InsertionSort	18724931	66282252
SelectionSort	61990879	33599008
OptimizedBubble	94048225	99829662
BubbleSort	110237972	150395463

Performance on Random Input - Size 32768

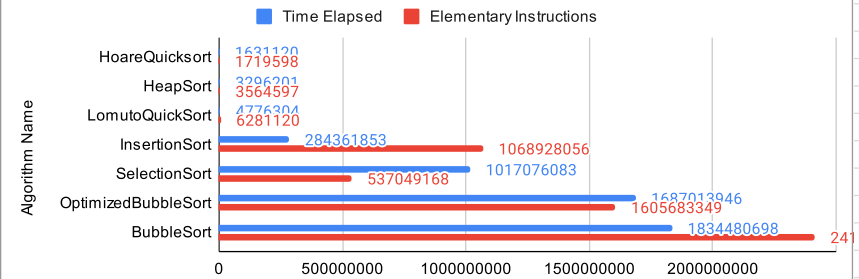
Performance on Random Input - Size 16384



Performance on Random Input - Size 16384

Algorithm Name:	Time Elapsed:	Elementary Instructions:
HoareQuickSort	786531	794778
LomutoQuickSort	1461088	1801235
HeapSort	1699294	1651972
InsertionSort	94917617	265032056
SelectionSort	223534166	134306868
OptimizedBubble	385307654	399214564
BubbleSort	432826114	601468184

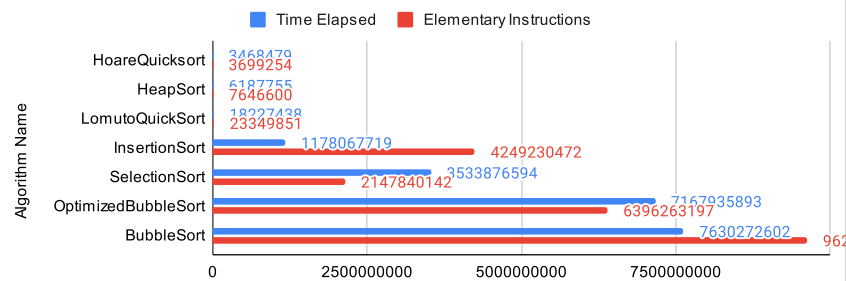
Performance on Random Input - Size 32768



Performance on Random Input - Size 32768

Algorithm Name:	Time Elapsed:	Elementary Instructions:
HoareQuickSort	1631120	1719598
HeapSort	3296201	3564597
LomutoQuickSort	4776304	6281120
InsertionSort	284361853	1068928056
SelectionSort	1017076083	537049168
OptimizedBubble	1687013946	1605683349
BubbleSort	1834480698	2412390696

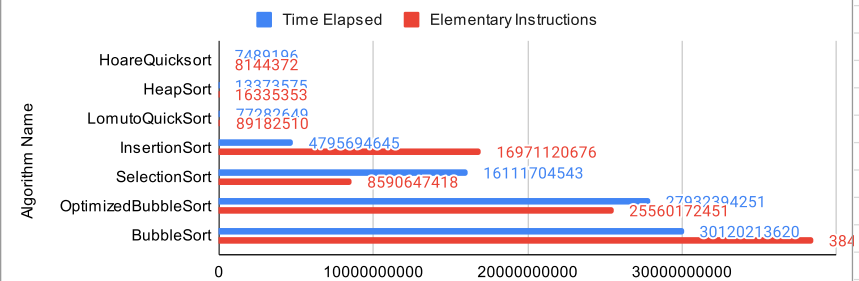
Performance on Random Input - Size 65536



Performance on Random Input - Size 65536

Algorithm Name:	Time Elapsed:	Elementary Instructions:
HoareQuickSort	3468479	3699254
HeapSort	6187755	7646600
LomutoQuickSort	18227438	23349851
InsertionSort	1178067719	4249230472
SelectionSort	3533876594	2147840142
OptimizedBubble	7167935893	6396263197
BubbleSort	7630272602	9629537636

Performance on Random Input - Size 131072



Performance on Random Input - Size 131072

Algorithm Name:	Time Elapsed:	Elementary Instructions:
HoareQuickSort	7489196	8144372
HeapSort	13373575	16335353
LomutoQuickSort	77282649	89182510
InsertionSort	4795694645	16971120676
SelectionSort	16111704543	8590647418
OptimizedBubble	27932394251	25560172451
BubbleSort	30120213620	38498471961