

		MergeSort	QuickSort	HeapSort	BubbleSort
worst case		$O(N \log(N))$	$O(N^2)$	$O(N \log(N))$	$O(N^2)$
best case		$O(N \log(N))$	$O(N \log(N))$	$O(N \log(N))$	$O(N)$
average case		$O(N \log(N))$	$O(N \log(N))$	$O(N \log(N))$	$O(N^2)$
1M	inc	46	28	89	3
	dec	52	28	78	inf
	avg	113	102	126	inf
100K	inc	10	16	13	2
	dec	17	5	7	7066
	avg	12	13	12	10958
10M	inc	362	173	838	7
	dec	395	157	802	inf
	avg	1210	1000	1979	inf

All times in milliseconds.