Algorithm	Time Complexity			Space Complexity
	Best	Average	Worst	Worst
Quicksort	$\Omega(n \log(n))$	Θ(n log(n))	0(n^2)	0(log(n))
Mergesort	$\Omega(n \log(n))$	Θ(n log(n))	O(n log(n))	O(n)
Timsort	<u>Ω(n)</u>	Θ(n log(n))	O(n log(n))	O(n)
Heapsort	$\Omega(n \log(n))$	Θ(n log(n))	O(n log(n))	0(1)
Bubble Sort	<u>Ω(n)</u>	Θ(n^2)	0(n^2)	0(1)
Insertion Sort	<u>Ω(n)</u>	Θ(n^2)	0(n^2)	0(1)
Selection Sort	Ω(n^2)	Θ(n^2)	0(n^2)	0(1)
Tree Sort	$\Omega(n \log(n))$	Θ(n log(n))	0(n^2)	0(n)
Shell Sort	$\Omega(n \log(n))$	$\Theta(n(\log(n))^2)$	O(n(log(n))^2)	0(1)
Bucket Sort	$\Omega(n+k)$	Θ(n+k)	0(n^2)	0(n)
Radix Sort	$\Omega(nk)$	Θ(nk)	O(nk)	0(n+k)
Counting Sort	$\Omega(n+k)$	Θ(n+k)	0(n+k)	O(k)
Cubesort	<u>Ω(n)</u>	Θ(n log(n))	O(n log(n))	O(n)