

	Best	Average	Worst	Space	Stable
Selection	$O(n^2)$			$O(1)$	
Insertion	$O(n)$	$O(n^2)$		$O(1)$	✓
Bubble	$O(n^2)$			$O(1)$	
Merge	$O(n \log(n))$			$O(n)$	✓
Quick	$O(n \log(n))$		$O(n^2)$	$O(\log(n))$	
Bucket	$O(n)$	$O(n + k)$ (k: numbers of buckets)	$O(n^2)$	$O(n + k)$	✓
Counting	$O(n + k)$ (k: range of the input values, max-min)			$O(n + k)$	✓
Heap	$O(n \log(n))$			$O(1)$	