	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			$O(\log(n))$	
Bucket	O(n)	$O(n+k) \label{eq:one}$ (k: numbers of buckets)	$O(n^2)$	O(n+k)	>
Counting	(k: ra	O(n+k)nge of the input values, ma	O(n+k)	>	
Heap		$O(n \log(n))$	O(1)		

	Worst			Average					
	Insert	Delete	Search	Insert	Delete Search		Space		
Vector Ordered	O(n)		$O(\log(n))$	O(n)		$O(\log(n))$			
Vector Unordered	O(1)*	O(n)		O(1)*	O(n)				
Linked List	O(1)	C	O(n)	O(1)	0(11)	O(n)		
Binary Search Tree	O(n)		$O(\log(n))$						
Balanced BST (RBT)	$O(\log(n))$								
Priority Queues	Insert	RMH**	Peek	Insert	RMH**	Peek			
Linked List	O(n)	(n) O(1)		O(n)	O(n) $O(1)$				
Heap	O(lo	g(n)	O(1)	O(1)	$O(\log(n))$	O(1)			
*: Amortised - ie over a seg	uence of th	nis operatio	n. Resizina vec	tor $O(n)$					

^{*:} Amortised - ie over a sequence of this operation. Resizing vector $O(n^*$: Remove highest priority

