	Average Case - Time Complexity				Worst Case - Time Complexity				Space
Data Structure	Access	Search	Insertion	Deletion	Access	Search	Insertion	Deletion	Complexity
Array	O(1)	O(N)	O(N)	O(N)	O(1)	O(N)	O(N)	O(N)	O(N)
Stack	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	O(1)	O(N)
Queue	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	0(1)	O(N)
Singly Linked list	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	0(1)	O(N)
Doubly Linked List	O(N)	O(N)	O(1)	O(1)	O(N)	O(N)	O(1)	0(1)	O(N)
Hash Table	O(1)	O(1)	O(1)	O(1)	O(N)	O(N)	O(N)	O(N)	O(N)
Binary Search Tree	O(log N)	O(log N)	O(log N)	O(log N)	O(N)	O(N)	O(N)	O(N)	O(N)
AVL Tree	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(N)
B Tree	O(log N)	O(log N)	O(log N)	O(log N)	O(N)	O(N)	O(N)	O(N)	O(N)
Red Black Tree	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(log N)	O(N)
									<del>                                     </del>
	Time Complexity								
Graphs	Storage	Add Vertex	Add Edge	Remove Vertex	Remove Edge	Query			
Adjacency list	O( V + E )	O(1)	O(1)	O( V  +  E )	O( E )	O( V )			
Incidence list	O( V + E )	O(1)	O(1)	O( E )	O( E )	O( E )			
Adjacency matrix	O( V ^2)	O( V ^2)	O(1)	O( V ^2)	O(1)	O(1)			
Incidence matrix	O( V  ·  E )	O( V  ·  E )	O( V  ·  E )	O( V  ·  E )	O( V  ·  E )	O( E )			
		1				+			
	Time Complexity								
Неар	Insert	Delete	Merge						
Binary Heap	O(log(n))	O(log(n))	O(m+n)						
Binomial Heap	O(1)	O(log(n))	O(log(n))						
Fibonacci Heap	O(1)	O(log(n))	O(1)						