

arr[index] =17;

	add a new value at end w/o a resize	add a new value at end w/ resize	access node at position index	insert node after arbitrary position w/o resize	find value
Partially Filled Arrays	O(1)	O(n)	O(1)	O(n)	O(n) O(log n) if sorted
Linked Lists	O(1)	O(1) [resizes never needed]	O(n)	O(1)	O(n)
Binary Trees					
Hash Tables					