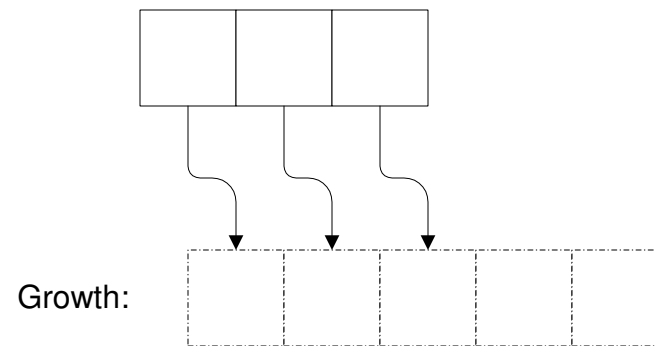
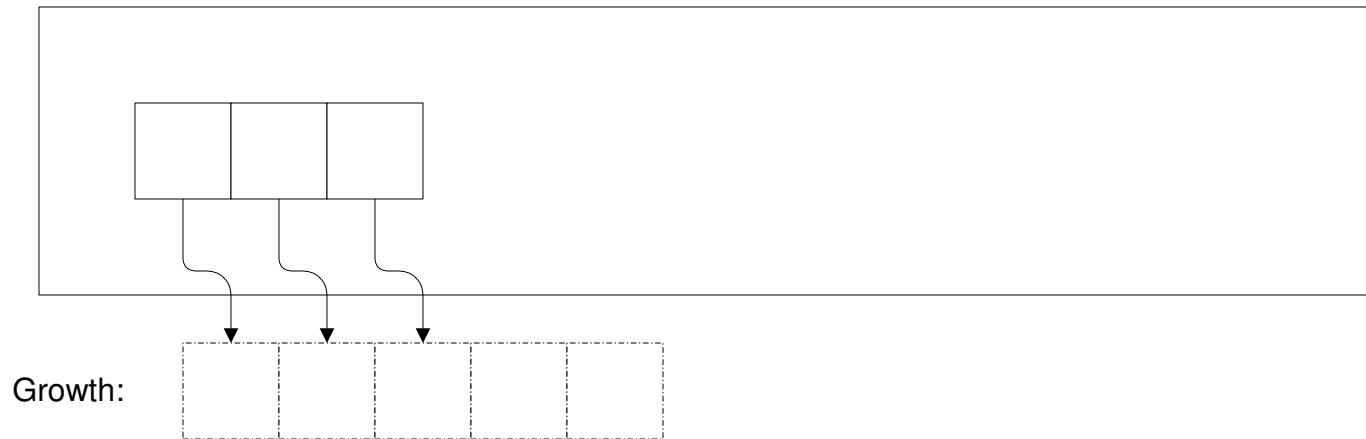


Data Structures - Array



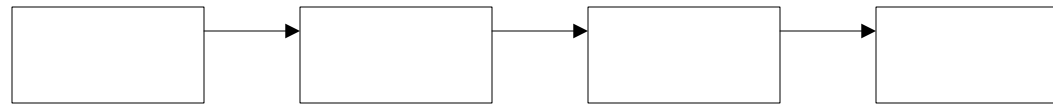
Traversal	$O(1)$
Growth	$O(N)$
Insertion	$O(N)$
Random access	$O(1)$
Managed?	No

Data Structures - Array list (Vector)

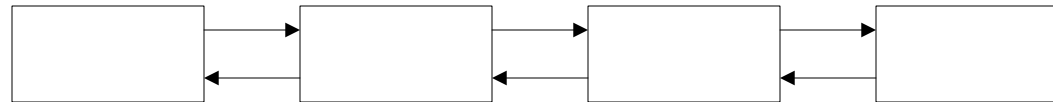


Traversal	$O(1)$
Growth	$O(N)$
Insertion	$O(N)$
Random access	$O(1)$
Managed?	Yes

Data Structures - Linked List



Traversal →



← Traversal →

Traversal $O(1)$

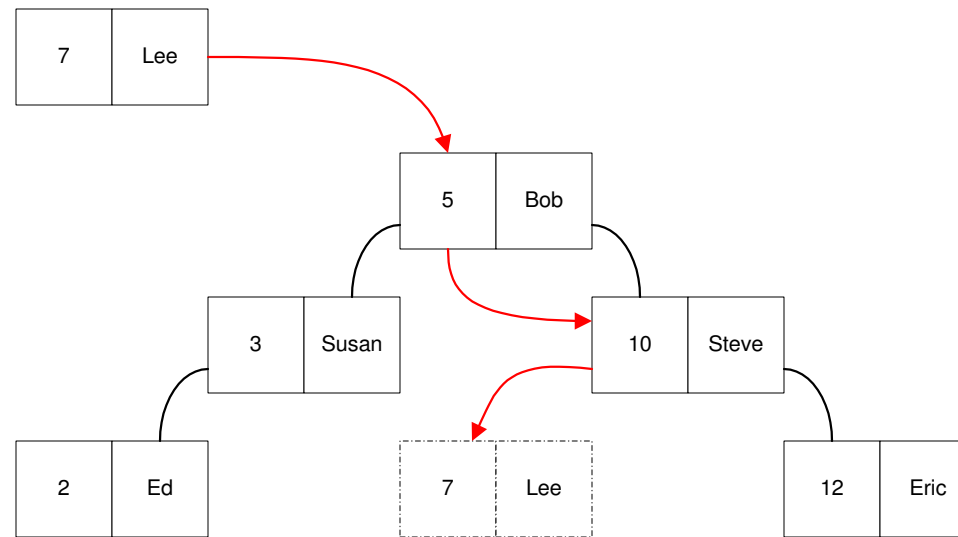
Growth $O(1)$

Insertion $O(1)$

Random access $O(N)$

Managed? Yes

Data Structures - Tree map



Traversal	$O(1)$
Growth	$O(\log(N))$ to $O(N)$
Insertion	$O(\log(N))$ to $O(N)$
Search	$O(\log(N))$ to $O(N)$
Managed?	Yes

Data Structures - Hash map

