



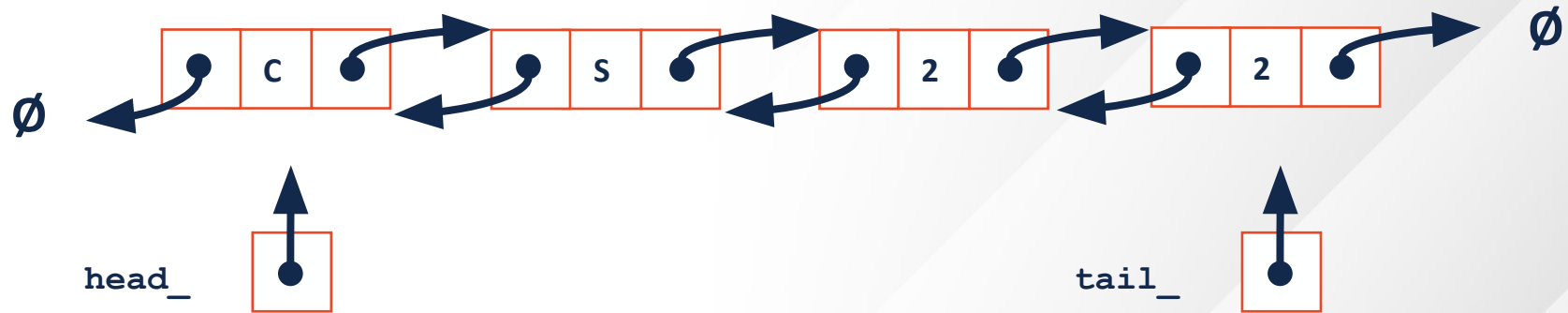
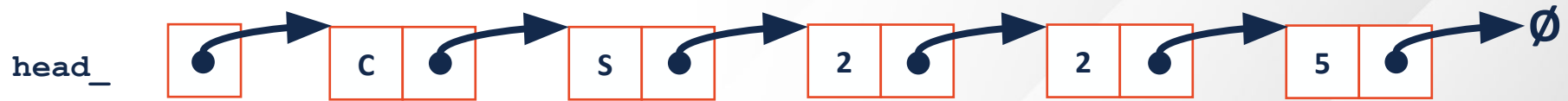
Doubly Linked List

Learning Objectives

1. List the pros and cons of singly vs doubly linked lists



Linked Lists



Tradeoffs

	SinglyLinked List	Doubly Linked List
Space		
# of Operation		
Time		



Pros and Cons

	SinglyLinked List	Doubly Linked List
insertAtFront		
insertAtBack		
insert		



Pros and Cons

	SinglyLinked List	Doubly Linked List
insertAtFront	$O(1)$	$O(1)$
insertAtBack	$O(N)$	$O(1)$
insert	$O(N)$	$O(N)$

