elp using

10.2-6

function union(ls1, ls2) //where ls1 and ls2 are doubly linked lists
    ls1.tail.next = ls2.head
    ls2.head.prev = ls2.tail
    ls1.tail = ls2.tail
    return ls1

10.2-1

INSERT and DELETE can work in O(1) time if passed "element" as a parameter. In this case, you can do a simple pointer swap of the element that takes constant time. INSERT and DELETE can also be O(1) if they operate on the head or tail. But an INSERT/DELETE-at index or INSERT/DELETE-by key would take O(n) time.

10.2-3

function ENQUEUE(L, elem)
    L.tail.next = elem
    L.tail = elem
function DEQUEUE(L)
    dequeued = L.head
    L.head = dequeued.next
    return dequeued

10.1-1