

## Linked List Recursion

in 1 = 1, 2, 3, 4

in 2 = 5, 6

a)

llrec(1, 5)

in 1  $\rightarrow$  next = llrec(5, 2)

llrec(5, 2)

in 1  $\rightarrow$  next = llrec(2, 6)

llrec(2, 6)

in 1  $\rightarrow$  next = llrec(6, 3)

llrec(6, 3)

in 1  $\rightarrow$  next = llrec(3, nullptr)

return 3

Linked List : 1  $\rightarrow$  5  $\rightarrow$  2  $\rightarrow$  6  $\rightarrow$  3

b) in 1 = nullptr

in 2 = 2

The Linked List returned is just 2 because the if statement is trigger for in 1 being nullptr which returns in 2