

# Linked List Recursion Tracing

Outcome: 1, 5, 2, 6, 3

a) in1 = 1, 2, 3, 4  
in2 = 5, 6

return in1 = 1, 5, 2, 6, 3



in1 = 1, 2, 3, 4

in2 = 5, 6

in1 next = 5, 2, 6, 3, 4

return in1 = 5, 2, 6, 3



in1 = 5, 6

in2 = 2, 3, 4

in1 next = 2, 6, 3, 4

return in1 = 2, 6, 3



in1 = 2, 3, 4

in2 = 6

in1 next = 6, 3, 4

return in1 = 6, 3



in1 = 6

in2 = 3, 4

in1 next = 3

↓  
in 1 = 3      in 2 =

return = 3

b) in 1 = nullptr    in 2 = 2  
in 1 = nullptr    in 2 = 2  
return in 2 = 2

Outcome: 2