

HW#1 Q4: Linked List Recursion Tracing

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a)

in1 = 1 in2 = 5
return 1

1

llrec(in2, in1->next)
in1 = 5 in2 = 2
return 5

llrec(in2, in1->next)
in1 = 2 in2 = 6
return 2

llrec(in2, in1->next)
in1 = 6 in2 = 8
return 6

llrec(in2, in1->next)
in1 = 3 in2 = nullptr
return 3 (in1)

1 5 2 6 3 → 4

b)

llrec(in1, in2)
in1 = nullptr in2 = 2
return in2 (2)