(a) in1 → 1 → 2 → 3 → 4 → nullptr

in2 → 5 → 6 → nullptr

llrec(in1, in2)
↓
1 → next = llrec(5, 2)

in2 which is "new" in1
in1 → next
↓
5 → next = llrec(2, 6)
↓
2 → next = llrec(6, 3)
↓
6 → next = llrec(3, nullptr)
↓
return in1
⇓

| 1 → 5 → 2 → 6 → 3 → 4 → nullptr |

(b) in1 → nullptr

in2 → 2 → nullptr

llrec(in1, in2)
↓
return in2
⇓

| 2 → nullptr |