

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

1st iteration: in1 \rightarrow next = (in2, in1 \rightarrow next)
 ① \rightarrow ⑤ \rightarrow ③ \rightarrow ④

2nd iteration: in2 \rightarrow next = (in1, in2 \rightarrow next)
 ⑤ \rightarrow ②

3rd iteration: in1 \rightarrow next = (in2, in1 \rightarrow next)
 ① \rightarrow ⑤ \rightarrow ⑥ \rightarrow ④

4th iterations: in2 \rightarrow next = (in1, in2 \rightarrow next)
 ① \rightarrow ⑤ \rightarrow ⑥ \rightarrow ④

 ⑤ \rightarrow ② \rightarrow ③

LL Returned:

1, 5, 6, 4

Question b) LL returned: 2 Since

in1 = nullptr triggering first
 'if' statement