

4)

a) in1 in2  
1 2 3 4 5 6  
↑ ↑

Initial call

Returns 1 → 2 → 3 → 4 → 5 → 6 → 3 → 4

in2 in1  
5 6 1 2 3 4  
↑ ↑

2nd call

in1 in2  
1 2 3 4 5 6  
↑ ↑

3rd call

in2 in1  
5 6 1 2 3 4  
↑ ↑

4th call

in1 in2  
1 2 3 4 5 6  
↑ ↑

5th call

Returns in1 since in2/second parameter is a null ptr

b) Directly returns linked list 2 since first if statement is immediately triggered

in1 in2  
↑ 2  
↑ ↑