

4.

a) $\text{in } 1$ $\boxed{1} \rightarrow \boxed{2} \rightarrow \boxed{3} \rightarrow \boxed{4}$ NULLPTR $\text{in } 2$ $\boxed{5} \rightarrow \boxed{6}$ NULLPTR

$\boxed{1} \rightarrow \text{llrec}(\text{in } 2, p2)$
 $\text{llrec}(p5, (5, 6))$ $\text{llrec}(p2, (2, 3, 4))$

$\boxed{5} \rightarrow \text{llrec}(p2, (6))$

$\boxed{2} \rightarrow \text{llrec}(p6, (3, 4))$

$\boxed{6} \rightarrow \text{llrec}(p3, (\text{NULLPTR}))$

return (3, 4)

$\boxed{1} \rightarrow \boxed{5} \rightarrow \boxed{2} \rightarrow \boxed{6} \rightarrow \boxed{3} \rightarrow \boxed{4}$

b) $\text{in } 1$ NULLPTR $\text{in } 2$ $\boxed{2}$ NULLPTR

return in 2

$\boxed{2}$