Misha Khmulkar
Q4

a. $llrec\left([1,2,3,4], [5,6]\right)$

↙ This is just my shorthand, $[5,6]$ really means $p5$

↓

$p1 \to next = llrec\left([5,6], [2,3,4]\right)$

↓

$p5 \to next = llrec\left([2,3,4], [6]\right)$

↓

$p2 \to next = llrec\left([6], [3,4]\right)$

↙

$p6 \to next = llrec\left([3,4], nullptr\right)$

↓

return $[3,4]$

So, backwards: $p6 \to next = p3$
$p2 \to next = p6$
$p5 \to next = p2$
$p1 \to next = p5$

Overall, the call returns $[1,5,2,6,3,4]$

b. $llrec\left(nullptr, [2]\right)$

↓

return $[2]$ ↖ $p2$