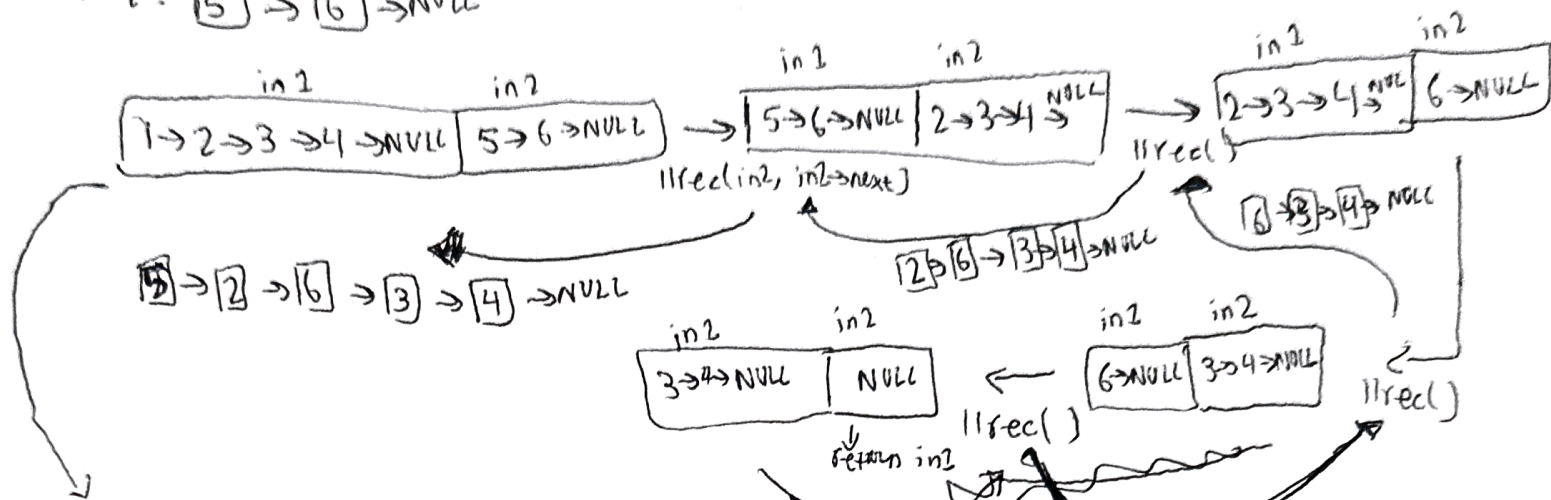


# linked list recursion tracing

a) in 1:  $1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow \text{NULL}$

in 2:  $5 \rightarrow 6 \rightarrow \text{NULL}$



Final output: ~~1 2 3 4 5 6~~

$1 \rightarrow 5 \rightarrow 2 \rightarrow 6 \rightarrow 3 \rightarrow 4 \rightarrow \text{NULL}$

b) in 1 in 2  
 $\text{NULL} \rightarrow 2$

Final answer  $2 \rightarrow \text{NULL}$

The first case (base case) is met

`in1` is `== NULL` so `in2` is returned