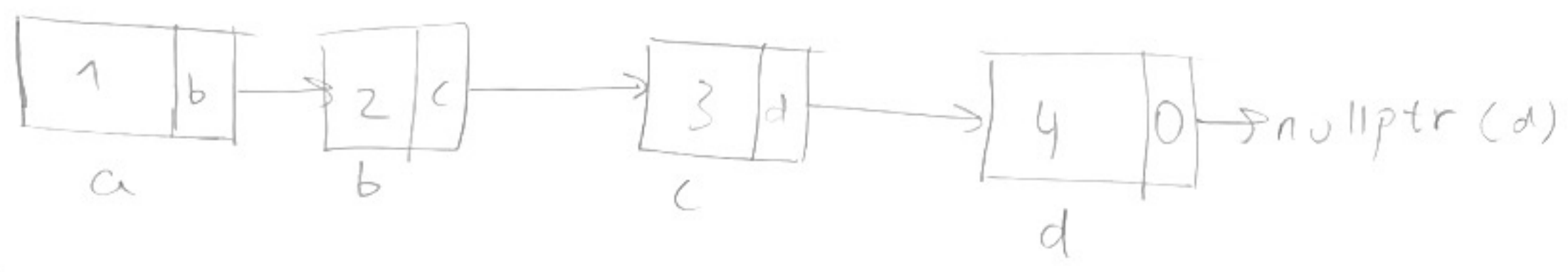
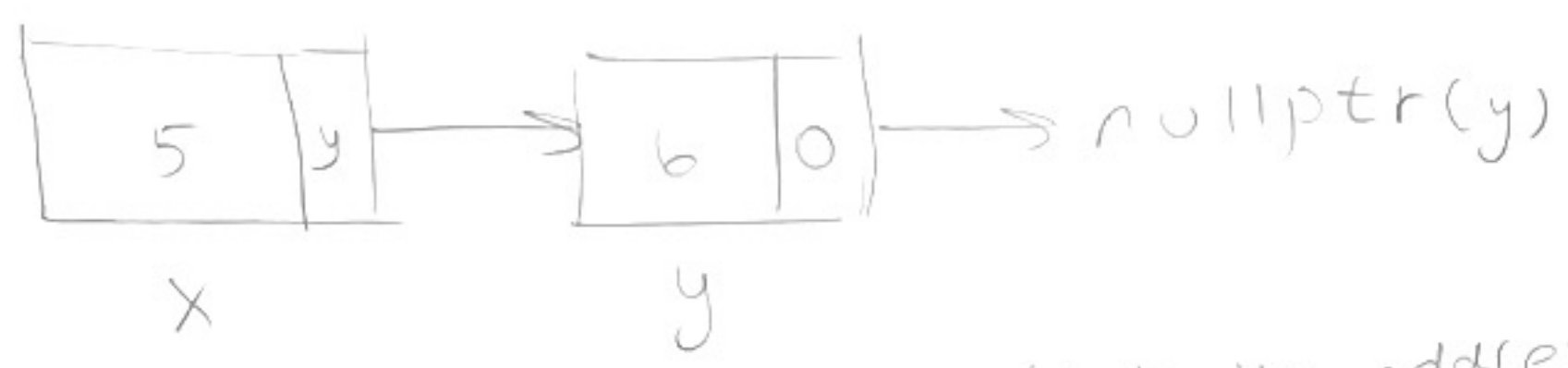


Problem 4 Qa

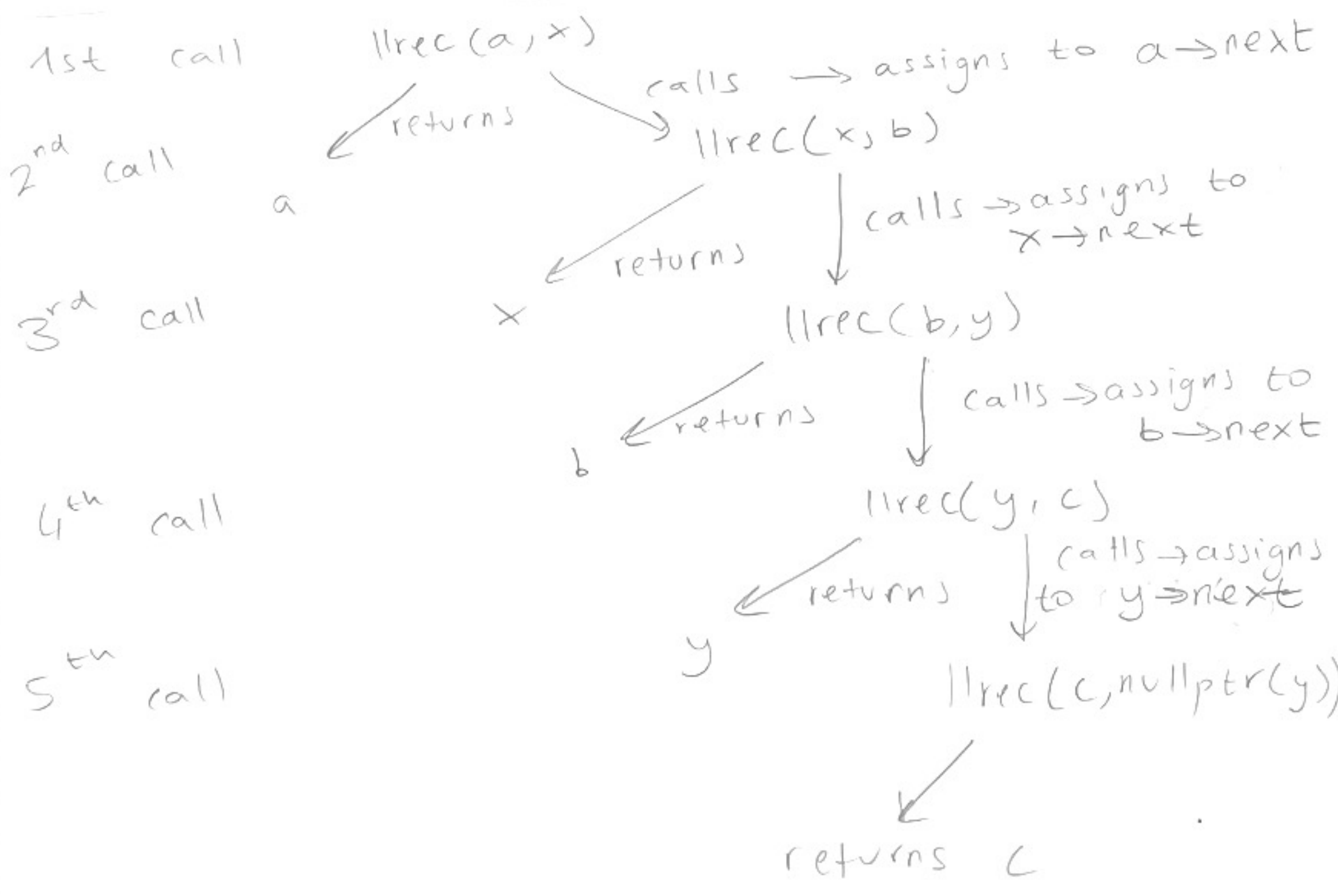
in1



in2



Each letter above corresponds to the address of that node in the linked list.



Problem 4 Qa Continued

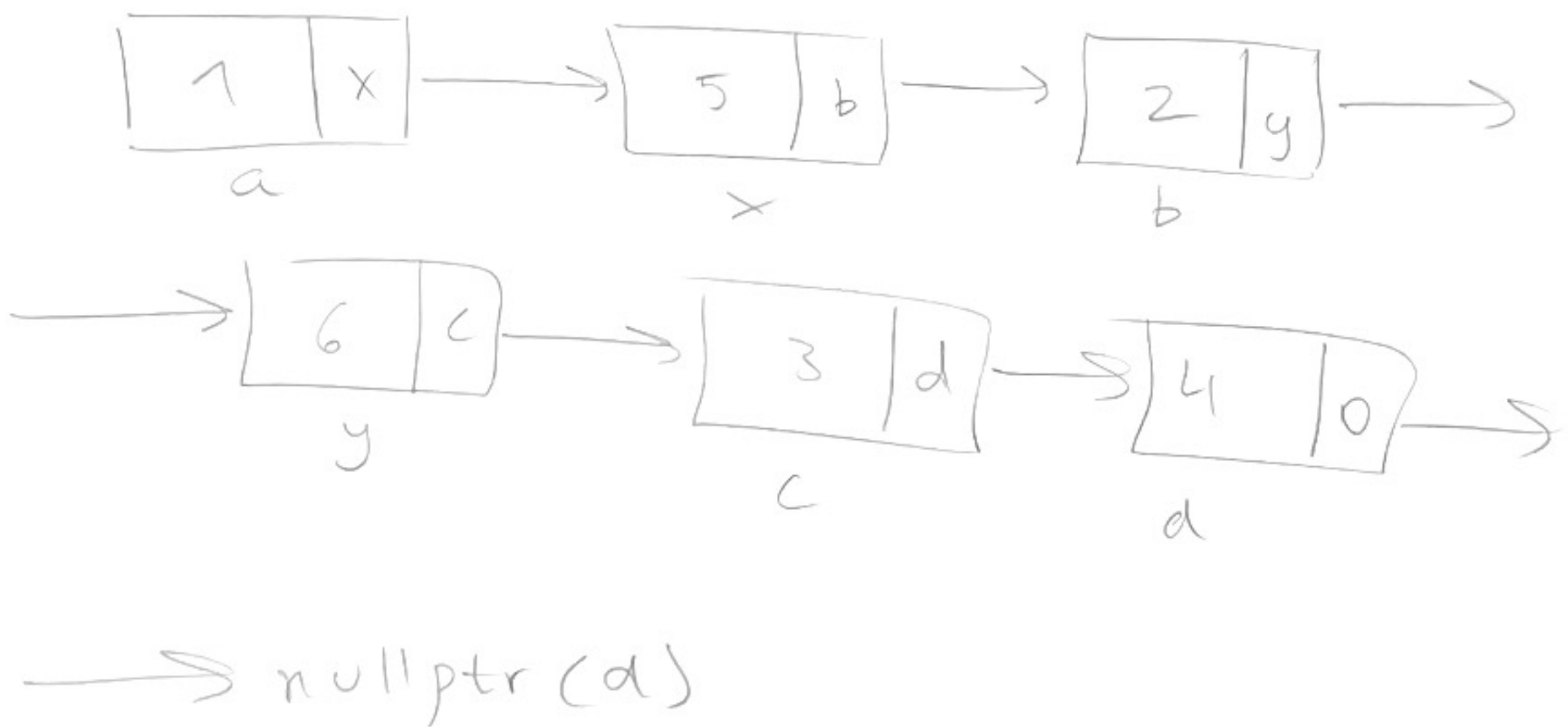
address of x is assigned to $a \rightarrow \text{next}$

address of b is assigned to $x \rightarrow \text{next}$

address of y is assigned to $b \rightarrow \text{next}$

address of c is assigned to $y \rightarrow \text{next}$

Therefore the linked list look like:



$c \rightarrow \text{next}$ was already d and $d \rightarrow \text{next}$ was already $\text{nullptr}(d)$.

Problem 4 Qb

in 1

nullptr(1)

in 2

| | | |
|---|--|---|
| 2 | | 0 |
|---|--|---|

 — snulptr(2)

llrec(in1, in2) will return in2 as it will directly go to the first if condition.

1st call llrec(in1, in2)

↓

in1 = nullptr returns → in2