

Question a) What ~~is~~ linked list is returned if `llrec` is called with the input linked lists `in1 = 1, 2, 3, 4` and `in2 = 5, 6`?

`llrec (1 → 2 → 3 → 4, 5 → 6)`

`1 → llrec (5 → 6, 2 → 3 → 4)`

`1 → 5 → llrec (2 → 3 → 4, 6)`

`1 → 5 → 2 → llrec (6, 3 → 4)`

`1 → 5 → 2 → 6 → llrec (3 → 4, nullptr)`

`1 → 5 → 2 → 6 → 3 → 4`

Final output

`{ 1, 5, 2, 6, 3, 4 }`

What linked list is returned if `llrec` is called with the input linked list `in1 = nullptr` and `in2 = 2`?

`llrec (nullptr, 2)`

Since `in1` is `nullptr`, return `in2`

Final Linked list → the function simply returns 2, as `in1` is empty

the answer is `{ 2 }`