oHW1

o Problem 4 - Linked List Recursion Tracing

```
struct Node {
    int val;
    Node* next;
};

Node* llrec(Node* in1, Node* in2)
{
    if(in1 == nullptr) {
        return in2;
    }
    else if(in2 == nullptr) {
        return in1;
    }
    else {
        in1->next = llrec(in2, in1->next);
        return in1;
    }
}
```

in 1 1 P2 -> 2 P3 - 3 P4 > 4 N

(Inc (in1, in2)



in->vext = P2 = lnc (in2, P2)

Mreclinz, PZ)

else

in 2 -> next = P6 = 1/4((P2, P6)

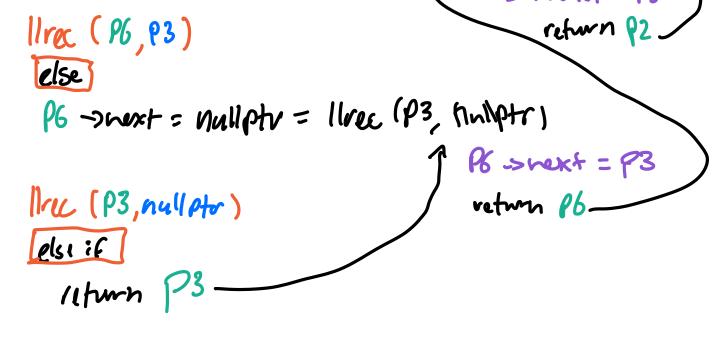
llrec (PZ, PG)

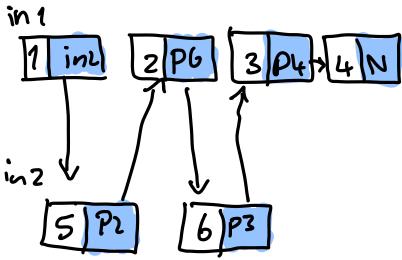
dse

P2 = next = P3 = (196, P3)

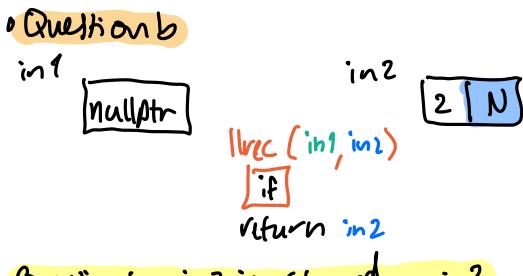
int-swent = in 2

return int.





Questiona: in1 is returned as: 1,5,2,6,3,4



Question b: in 2 is aturned as: 2