```
struct Node {
                      Node* next;
                    Node* llrec(Node* in1, Node* in2)
                      if(in1 == nullptr) {
                      else if(in2 == nullptr) {
                         return in1;
                      else {
                         in1->next = llrec(in2, in1->next);
                         return in1;
                       }
Question a) what linked list is returned if lirec is called with
 the input linked lists in1 = 1,2,3,4 and in2 = 5,6?
      in1(1) != Nullp+r,
 0
                                                      return
      in 2 (5) ! = Nullptr,
       in1 > next = lirec (in2, in) > next)
       in1(5) != Nullptr,
 0
                                                             in1 (5)
                                                     return
       in2 (z) != Mullptr,
       in 1 - next = 11rec (inz, in1 -> next)
 ➂
       in1 (2) != Mull ptr,
                                                              in1 (2)
                                                     return
        ind (b) ! = Mulptr,
        int 1 > next = 1/rec (inz, in1 > next)
4
          in1(6) != Nulptr,
                                                                  in1 (6)
          in2(3) ! = Nullptr,
           in1 > next = 11re( ( in2, in1 -> next
 After this, in1 will be 3,4; and inz is going to
                                                                  be an
  list, therefore (in2 == NullPtv) is time
  Therefore, the final output is 1,5,2,6,3,4.
```

Question (b) What linked list is return if lirec is called with the input linked lists in1 = nullptr, and in2 = 2? If in1 = Numper and in2 = 2, in2 min be returned, and it gives us the final output 2.