

## 2) (5 pts) DSN (Linked Lists)

Given the linked list structure named `node`, defined in lines 1 through 4, and the function named `eFunction` defined in lines 6 through 14, answer the questions below.

```
1 typedef struct node {  
2     int data;  
3     struct node * next;  
4 } node;  
5  
6 node* eFunction(node* aNode){  
7     if(aNode == NULL) return NULL;  
8     if(aNode->next == NULL) return aNode;  
9  
10    node* rest = eFunction(aNode->next);  
11    aNode->next->next = aNode;  
12    aNode->next = NULL;  
13    return rest;  
14 }
```

(a) (1 pt) Is this function recursive? (Circle the correct answer below.)

YES

NO

(b) (2 pts) What does the function `eFunction` do, in general to the list pointed to by its formal parameter, `aNode`?

(c) (2 pts) What important task does line 12 perform?