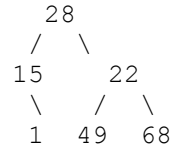


**4)** (10 pts) DSN (Binary Trees)

Write a **recursive** function that takes the root of a binary tree (possibly NULL) and returns the sum of all the nodes that are left children in the tree. See the example below, which returns  $15 + 49 = 64$ , since the only nodes that are left children anywhere in the tree are 15 and 49.



The node struct and function signature are:

```
typedef struct node {
    int data;
    struct node *left;
    struct node *right;
} node;

int add_all_left_children(node *root) {

}
```