

1) (10 pts) DSN (Binary Search Trees)

Complete writing function shown below **recursively**, so that it takes in a pointer to the root of a binary search tree, *root*, and an integer, *value*, and returns the number of nodes in the tree that are divisible by *value*. The struct used to store a node is shown below.

```
typedef struct bstNode {
    struct bstNode *left, *right;
    int data;
} bstNode;

int countDiv(bstNode *root, int value){
```

```
}
```