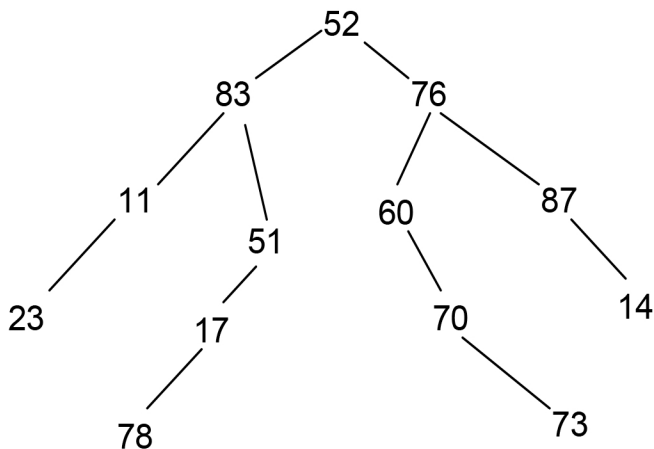


9. a) Indicate in few words, the purpose of the following function. The struct treenode is the same as the one defined in problem 4 on the previous page.

```
int f(struct treenode * p) {  
  
    int val;  
    if (p == NULL) return 0;  
    val = p->data;  
    if (val%2 == 0)  
        return val + f(p->left) + f(p->right);  
    else  
        return f(p->left) + f(p->right);  
}
```

Sum all even nodes in the tree.

b) What does the function return, given the following tree?



Answer: 350