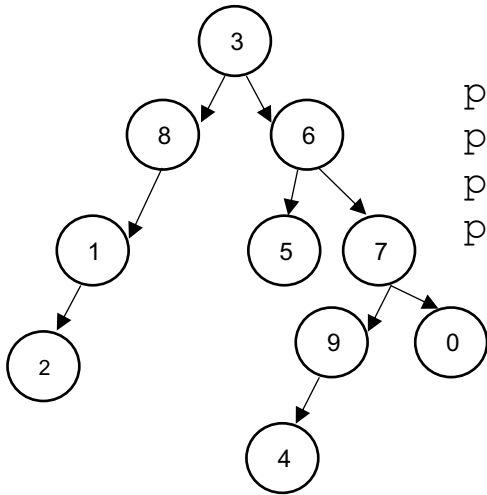# QUIZ 10

By filling in the blanks, write a <u>recursive</u> method that prints the level of the first occurrence of a given number in a <u>binary tree</u>. If the node is not found, the method does not print anything. Iterative solutions will <u>not</u> be accepted.


```
printLevel(root, 8, 1); //prints "2"
printLevel(root, 4, 1); //prints "5"
printLevel(root, 9, 1); //prints "4"
printLevel(root, 12, 1);//prints nothing
```

```
struct node {
   int value;
   struct node *left;
   struct node *right;
};

void printLevel(struct node* root, int number, int level){

    if(root == NULL) return;

    if(root->value == number) printf("%d", level);

    printLevel(root->left, number, level+1);
    printLevel(root->right, number, level+1);

}
```