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(5) a)

```
Node *find(Node *root, int key)
{
    Node *p = root;
    if(p)
    {   if(p->key==key)
            return p;
        else if(key > p->key)
        p = find(p->right, key);
        else   p = find(p->left, key);

    }
    return p;
}
```

b) Track the number of iterations done on the list. If the number is bigger than N, then there is a loop. Iterate until last node is reached.