

2-3 TreePSEUDO CODE :-

```
⇒ void insert (int k) {  
    if (!root) {  
        root = new TreeNode (true);  
        root → Key [0] = k;  
        root → n = 1;  
    } else {  
        if (root → n == 3) {  
            TreeNode * s = new TreeNode (false);  
            s → child [0] = root;  
            s → split (child (0, root));  
            int i = 0;  
            if (s → Key [0] < k) ++i;  
            s → child [i] → insert Non Full (k);  
            root = s;  
        } else {  
            root → insert Non Full (k);  
        }  
    }  
}
```

```
void delet (int k) {
```

```
    int id = fid(k);
```

```
    if (id < n && key < (id) == k) {
```

```
        if (leaf) remove from fof (id);
```

```
        else remove from non (id);
```

```
    } else {
```

```
        if (leaf) {
```

```
            cout << " doesn't exist " << endl;
```

```
        }
```

```
        if if Flag = (id == n)? true: false;
```

```
        if (child[id] < n & id) fill(id);
```

```
        if (Flag && id > n)
```

```
            child[id=1] → remove (li);
```

```
            else child[id] → remove (li);
```

```
    }
```

```
    return;
```

```
}
```