int *keys:

Node ** C:

bool leaf:

int to:

int ni

Class Nodel

```
B-Tree Insertion:
```

```
insert (ink k)

if (root is NULL)

root = new node (t);

root > keys[0] = k

robt > n = 1;

else

if (root > n == 2xt -1)

s = new Node(t);

s > c[0] = root;
```

>n == 2xt -1)

5 = new Node(t);

5 > c[o] = root;

6 > splitchild (o, root);

i=0

if (s > keys[o] < k)

i++;

5 > c[i] > insert NonFull (k)

elee root → insert NonFull(k)

Node insert Nonfull (int k)
i=n-1

if (leaf is true)

while (i >=0 && keys[i] > k)

do keys[i+1] = keys[i]

i--:

keys [i+1]=k

root = s

Nitirb

else

Node

Nilia