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BTree insertion

```
void insert (int k)
{
    if (root == null)
    { root = new Tree;
      root -> key -> k  r -> n = 1
    }
    else
        if (root -> n == 2 * t - 1)
        {
         BTreeNode * s = new BTreeNode ( t, false)
          s -> c[0] = root;
          s -> splitchild (0, root
         // new root has two children
          int i=0
          if (s -> keys[0] < k)
                i++;
          s -> c[i] -> insertNormal(k)
          root = s;
        }
        else
            root = insertNonfull (k)
        }
    }
}
```