B-tree

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```
Insert (data){
    if(root == NULL){
        create root node. with
        data
    }
    else{
        if( array of values is full){
            create new node
            make the root the child of
            new node
            split the root
            after splitting copy relevant values to
            relevant nodes and also copy
            relevant children.
            now insert the values into relevant
            node
        }
        else{
            if( leaf node){
                find the correct position to insert
                the value and insert after
                finding
            }
            else{
                find the node to which to be insert
                if( found node number of children > 2t-1){
                    split the node and copy relevant
                    values
                .}
```

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```
else {
    if (the node is leaf ){
        find place to insert
    }
    else{
        find the node to insert
    }
}
}
}
}
```