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2-3 tree :

insert (2-3 node N, compare value)

if leaf node to put value, if leaf is a
2 node make it a 3 node and insert value

if leaf is a 3 node

insert value temporarily & split the

split (2-3 node N)

if N is root, make middle key a 2 node, then
make small & large key 2 nodes, redistribute
the children

else : N has parent P \Rightarrow move middle key to P, make
other 2 keys 2 nodes, redistribute the children

delete (1)

1. Assign p to be parent of node to be deleted

if p is leaf, move all keys one place backwards

if, parent is not leaf, check prev and next node for at
least 2 keys and accordingly delete and shift prev
or next node.

if both have less keys: shift next to current and delete.

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