Jai Jain 18m18CS040 B- Trees def B- Tree Insertion (T.K): root = self. root if (len (200t. keys) = = (2* self. +)-1): p = Node () r. child, insert (0, root) self-split-child () else: coff.insert_non_full (root; k) def insert mon full (self x, k): i = lan (x. teys) - 1 if (x.leaf):

x.keys [i+1]= x. keys[i]

while (i>=0) and k[o] < x.keys[i]

x.keys [i+1]= x.keys [i] 12 | X. keys [i+1] = k else: while is=0 and ETo] < x key [i][o]

it=1 if (len (x.ch.ld.keys) = = 2 (* seff.t) - 1: self.shit.child (x;) if (x[o]) > x.keys[i][o]: self. insent-non-full (x child[i] k)



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def : split (Node p)
E temps = Node ()
temps - Node ()
mid = max /2 -1
insert non-fall ([Emid])
while (i= o i < mid it).
imsert non-full (b[i] tombi)
while (i = amid i < amax : i++)
insert non-full [+ [i], temp2)
p. parent -> made = temb
p-parent - mode = temp2