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B-Tree insertion
                                      1BM18CS139
void insert (in K)
d'ij (root == NULL)

2 root = new Node (t, true);
    root -> key [0] = k
     1= n ( toor
  3 else
   & if (root -)n==2*+-1)
     R Node *5 = new Node (+, false);
        S-) C[0] = = root;
       s-) split child (0, root);
       int i = 0)
        of (3-) key [o] < K)
          S -> C[i] -> insert Nonfull (K);
         Yout = S;
       t else
          root -) insert Non Full(4);
 void resinsed NorFull (int R)
  of int i=n-l;
     if (leaf == true)
    d'while (i>=0 de key [i] > k)
      d Rey [iti] - Key [i]
       key [if 1]=K;
       n = n+1;
```

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else

of while (i>=0 all key[i] >k)

i--;

if (c[i+1] -> n = = 2 * * -1)

c split (hild (i+1, c[i+i]),

if (keys [i+1] < k)

if (keys [i+1] < k)

c ci+1] -> insert Non Full (k);

}
```