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9 11/11/20
                    ADS LAB - 7
                                              Abhiran
                                             1 BM
         pseudocode:
          void insert (int k)
          if root = = NULL
            roof = new Node (t, tive);
            root -> keys [0] = k;
            root -> n = 1;
            6126
              if 100+->n == 2 + + - 1
             Node + s = new Node (t, false);
             S -> C[o] = root;
             s-> split (hild (o, root);
             int i= 0
             if (s > keys(o) < h)
            s -> C(i) -> insert not FULL (b);
             ruot = S
            else
             root - insert Notfull (h).
        good insert Not Full (int h)
           int i = n - 1
           if leaf = = true
          while i>=0 22 heys(i)> k
           Keys Ci+1) = heys Ei);
         keys Cirl) - k
           n=n+1
           c/se
           while iz=0 88 keys (i)>k
```

if & C(i+17-2n = : 2 *+-1

Split (hip) (i+1, ((i+17);

if \$\fi \text{keys (i+17 < k}

i+ +

C(i+1) -> insert Not full (k):