```
class BTreewood
      int * keys;
       int t;
       BTru Node **C;
        Int ni
        bood lenj;
    public!
        BTree Node (int.t, bool leaf);
       { void unsert Non Full (int &);
         void spuil child (int i, Biree Node +y);
3
claus BTree
        BreeNode + root;
         int t;
    public:
         B Tree (int -t)
         3 200t = NULL; t= -t; 3.
         void inject (int k);
 3;
       vinter&Tree!: insert(int h)
 void
          H(root == NULL)
 3
               root = new BTree Node (t, true);
               800k > keys [0] = k;
               70017 N=1;
           3
        else
         \frac{1}{2}
```

BTREES

Kab 6:

```
M. It (2007-) N == 5+F-1)
 Z
       BTree Node * s= new BTree Node (t, talse);
        8-) C[o]= mot;
         S > splitchild (0, root);
          Int i=0;
           if (s > keys[o] <k)
            S+([i] - insut Non Full (k);
            200 F : 3;
       3
      else
           shoot -> insell Non Free ( h);
     3
 3
void
        Biree Nodel: Insert Nonfull (int h)
 S
              int 1: n - 1;
               it (uaj=tnu)
                     while (i>=0 & & keys[i] > k)
                     2 keysliti] = keysli];
                      keyp[i+1]= b;
                       N++;
                 3
               else
                   while (1>=0 44 kys[i]>k)i--j
                   if (C[i+1] -> n == 2+ t-1)
                       sphit child (i+1, C [i+1]);
                       it (kuys[1+1] < k) i++;
                   C [it I] -> Insert NonFull (E);
```

```
Brrei Nodi: Sphilchild (inti, Brrei Node +y)
void
3
    BTree Node 42 = new BTree Node (y-st, y-sleaf);
    z → n = t - 1;
     for cine j=0; j<t-1; j++)
         2 > keys[i]=y-> keys[i+t];
     it cy , leaf == talse)
            tor Cint 1:0;j < t; j++)
                   CETTE - CGJ=y-CG+1]
      yan=t-1;
      for (int j=n;j>=1+1;j--)
               c liti]= C [J]
       C[i+1] = Z,
       tor Cint j= n-1; j = i; j - -)
              keys [j+1]: keys[j];
       keys[i]: y -> keys[z-1];
      N= N+1;
```

3