```
class node {
   int a dota;
    int mi
    node + + child;
    int ni
     bool leaf;
     public:
          node (int my bod leaft)
           nade.
            void insertionfull (int, item);
            void splitchild (int i, node + W);
             void troverse()
     friend dass blief
     class btree &
          node moot ;
          in tm
          public:
             bfree (int m) &
                  root = NULL ;
                   m=m1;
            void traverse() {
            19 (00+) = NULL)
                   root - traverse();
              void insert (int item);
```

```
nade: nade (, at m1, wast lead )
     1 me mly
       leaf cleaf li
        data= new int[orm - ];
        childenen node . (2+1) i
          n=0;
     und blice: insertion(int item)
         ( il(rod==NULL)
             I root new node (m, tive);
              root adata (o) - item;
               1001-70a1;
              4
             elsed
               if (root-on == 2+t-1) J
                   node + s= new node (m,folse);
                    sachild lo Tencot;
                     5-splitchild (0, root);
                     int 1=0;
                      if (sodota fo] ( item)
                          144 )
                        s-ochild[i] - insertionfull (item);
                        1001=5;
               else y root-suscertion full (item);
              word node: insertwalful (int item)
               int = n-11
                   while T=0 && ddol ] Titem) &
```

```
dota [ili] . doto[i];
 doto [iti] itemi
 n=n+1
elsex
   while(i >0 && dota(i ]> item)
   if (chid (it 1)->n== & +m-1) {
           Split child (it , child [i1]);
             if Gola Litt Kitem!
       child [it i] - insertion full (item);
void node: splitchild (inti, node +y) &
     node + z=new node (y>m, y >) leaf);
      Z-79= m-1;
      for (int 0=0; j<m-1; j++)
         27dota [j]= y-> dota [j+n];
        if (y -> lect == folse) &
                 for (int j=0; j<m; j++)
                    : [[m + [] blish c y = [i] bishars
         y->n=m-1;
         for (m+j=n; >= 1+1; j-)
                 Child City = child Cil
           child [it 1] = 2;
         for (int = n-1; ) >= ; = )
                dolafiti] = ddoli];
          date (:)= y > data [m-1]/
           n=n+1;
          4
```