```
Pseudo code: class node ( );
alan bree ( );
         void bree: insertion (int item)
                   if (root == NULL)
                      root = new rode (m, true);
                       root -> dotato): item;
                         1001-0 N=1)
                     else
                    1 f (rool->n = 2*6-1)
                         1 node #S = new node (m, fabel)
                                5-> child[0] = rool-;
                                5-splitchild (0, root);
                                int i=0:
                                 it (sodatalo) citem)
                                      if+;
                                 50 child [i] > inserhonnon fullikant
                               100 = 5;
                            1
                             root -> inserhunnon full liter 1;
```

```
void node: insertion non full link item)
         int i= n-1:
          it (leaf = : true)
                while (i>= 0 && data lid > item)
                       dota (iti) = deta (i);
                        1--1
                    data life ) = item;
                       n=n+1)
          else
                  while (1)=0 dd data [1] > item)
                   if (child lit1) -> n == 2* m-1)
                         splitchild (it1, wild (it1));
                          if (data liti) (iten)
                               itti
                      child litt ] > insertion non full liter );
    3
```