```
ADS-IAB chandan CBagon
                                     1BM 18 CS 02 6
class nede [
                      BTTEES.
 int +data;
 int m;
  node * * child;
  dot n:
  boot read;
  Public: nede [ int m1, book lead 1);
            void inscrition nonfull ( int item );
            void aplitched (int v, node &4) 3
            Noid tecauseco;
friend days stree:
 class btre &
   rode * root;
   in m;
   public: btree (int m1) }
            MOST : NULL;
           2 mami;
     void trowerse() }
            if [rost! = NULL)
              , root -> traversel);
         void insection (int item);
     3;
 node: node (int mi, book leage)
      m=mi;
      leaf = leaf 1:
      data = new int [2+m-1];
      child = new node + [2+t]:
      N=0;
```

```
void bure e!! inscriton (int Item) (
   4 ( HOOK == NULL) }
        toot = new rode (m, but);
        root -> tara (o) = item:
        Tool - no 1:
     usel
       14 (mod -) n == 2+6-1) {
         nate # s = rew nade (m, false);
         so child [0] = root:
       · S- spirchild (0, stoot);
         intico;
         is [s- data [o] citem)
          S-> and (i) -> insertion nonfull (drem)s
          root - insention non full (item);
  Void node :: insertion non full (int item) {
      in i= n-13 1 0000 - [ 100] but
      is ( leaf == +met) }
         vonice (i > =0 yy double [. ] > ithm) {
            dara [iti] z daro [i];
       Jaros CitiJ: Exem;
       nep 413
```

```
use ( onlie ( iz= o gg data (i) > item)
   it (child [i+1] -> n == 2+m-1) }
        Splitched (i+1) chied (i+)):
      is (data (i+i) cirem)
          1++;
     Child [1+1] -> inscitionnonful (item);
void node: : spuirchild (int 1, node * 4) 1
    nede * 3 = new red e (y -> m, y -> leag ):
     るかnem-1;
   for (int sco; i/m-1; )++)
       3-1 data[i] = y -1 data [j+h];
   if ( y → leaf == fals +) {
       tor (int 500; sem; s++)
          3-+ child [o] = y-> child [o+m];
   4-1 n=m-13
  for (Int sen; 37=1+133--)
       child [i+1] = child [i]
   chied [iti]= 3;
   400 ( 4t 5= n-1 ; j >= 1 3j -- )
        dara [i+1] = dara [s];
   douta [i] = y -> dava [m-1];
    N= 041)
```