```
B true insurtion
                                         IBM18CSOL6
                                          Ankitha
Void : BTome: invert (int k)
      of (root = = NULC)
           2001 = new BIne Node (E, true);
          root -> key (o] = k;
           900t > n=1;
           y (200t->n == 2x t-1)
             BTrueNode *S = new BTrueNode (t, falu)
               5-> C[0] = 200t
               s -> eplitchild (0, noot)
               ent 1=0;
               if (s -> kys[o] < k)
               S -> C[i]-> inscrt Nonfull (k);
           ' good Dimert NonFull (k);
      BTrue Nocle; inva Non Full (int k)
     y (leaf = z - brue)
          while (i > = 0 && keys [i] > k)
                kry [i+1] = keys[i]
           ky [i+i] =k.
```

```
while (i) =0 && ky [i]>k)
   if (c(i+1)-)n==2*t-1)
        split Child (i+1, C[i+1]);
        of (kuys [i+1] <k).
  c[i+1] -> ineat Non Full (k);
BTom Node: Split Wild (int i, BTom Node *y)
 BTru Node & Z = new BTrue Node (y-st, y-sh
175 (int j=0; j<t-1;j++)
     2 -> kuys[j] = y -> kuys[j+t];
if (y-> haf = = false)
      for (int j=0; j<t jj++)
            3-) C[j] = y-> C[j+1],
 7 -> n=t-1;
 for(int )=n; j>= (t1)j--)
         Cytul= CGJ
 C[i+1] = j'
for (id) = n-1; j = i'j' - -)
         ky [j+1] = kys [j]
```

```
kry [i]=y-> keys[t-1];
         h = n + 1
    BTouNode
     int *kuye;
     B Free Node ' * * C)
    int n;
bool leaf;
 public:
      BTrueNode (int-t, book lief);
      void inirtNonFull (int k)
      void effethild (int i, BTrue Node *y),
);
```