```
2-3 trees writeup.
 legendo code:
  Euserhow void Insert (h) L
if ( b vool) {
               voor = now TreeNode (true);
               root -> keys[0] = 1;
          3 else l
             if ( vool A) n = = 3) }
                   Treenode +s = now Tree Node (Falle);
                     Sa child (0) - root;
                     susplit Child (0, mol);
                     INV 120;
                      & (s -1 kys (o) 2 lb) ++ 1;
                      Sticheld [i] I insert Nonfull (k);
                     vool = 5%
                3 else
                      wat rook - insut Nonfull (E);
       3
     Rolehou.
     vad selete Cint W/
             int Ida = lind(k):
             if lithe In Esley & Tides == 6) {
                      if (leaf) remove from Leaf Cidu);
              elle remove Nodeleaf (idn);
```

```
elre! if (bat) {
             front cour 12 doesn't exist in ";
              velvia:
      bort Mag = ((idn = = M) ? true: false);
       if Child [idn] -nzi) Lill (idn);
      if ( Hag & & idn In)

child [idn-1] - remove (k);
       che child [idx] - remove.
     setur ;
Aunillay boution;
   remove hom baf - shift elemb ito left side abter
remone hom non lead o merge rødes after delikan
insert rou fill = splits a node int children node inserts buy into node
```