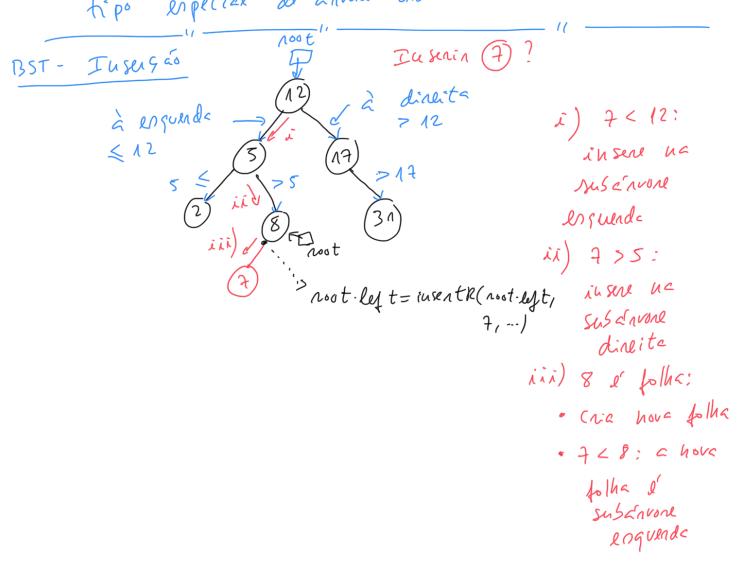
Ordeneder (tembém exintem énones mão ordenedes, mas

= BST plnuitu re-lizar persuina sina'nia com complexidade temponal o(log 2 N).

An basen de dadon não implementada unando um tipo expecial de anvone ordenada: B-tree.



```
2.
clann NodecE> s
fun < E> search R (
                                   var item: E
                                   var left: Node < E>? = will
      noot: Mode < E>?, elew: E,
      CMP: Compana tor <E>): NodecE>?
                                   va vight: vode < E>?=well
                                    countmotor (elea: E) }
 Ę
                                        rtem = elem
       if (nost = = well)
           return hull
       Val c: Int = cmp. compare (elem, root. item)
       // (==0, se elem == noot.item
      if ( ( == 0 )
          neturn noot
      if ( < < 0)
          return search R ( noot-left, elem, cmp)
          neturn searche (noot right, elem, curp)
      l/se
 }
```

```
3.
```

```
fun < E> search I tens tive ( noo t: Node<E>), elem: E,

cup: Comparetor<E>): Node<E>? {

while (noot!= unll) {

val c: cup. compare(elem, noot. item)

if (c==0)

break

if (c < 0)

noot = noot. left

else

noot = noot. right

refunct noot
```

fun <=> iusntr (noot: Node<=>?, elew: E,

cup: Comparctor<=>): Node<=>?

devolve

devolve

if (noot == well)

neturn new Node

val c = cup. compare (elew, noot. item)

if (c <= 0)

noot.left = iusentr (noot.left, elen,

cup)

else

noot.right = iusentr (noot.night,

lew, cup)

lew, cup)

lew, cup)

lew, cup)

lew, cup)

rutunh root