```
€) 7(n) = 0 + 2 7(N/2)
                                   T cu)
 \sum_{n=1}^{\infty} N^{-1} = N \times \log N
                                   n+ T(n/2)+T(n/2)
                             1 x 2 1 - 15(h/a) + T(h/a) 1 + T(h/a) + T(h/a)
                            4 x4 4 +2 (4/8)
3.1
 Eupoeded stouch Bere? int valor;

Street Streenledt & right;
                  { Nobe, & BTree
                                                T(IV)
                                               1 +2T (N-1) + T (N-1)
a) in t size (3 tree t);
                                               (5-1/2) TS+1
  intres;
    res = 1 + size ( + sleft) + size ( + sigut)
  else res = 3;
$ return res ;
                                   T(N) (-1)
 arrore balance 202
                                 2×1+27(N-1)
   T(N) = 1+2T(N-1)
                               9x1+ 9TLV-1)
              (9(h)
 arvore não balantecia
 T(N) = 1 + T(N-1)
5) just altera (Bitree t). (Recorrencia = a anterior
   if (+ 1)
    ses = 1+ max (altera (t > esp), alteralt > bur);
                                        T(0)=4-5 was do wel
    de resto, (OLM)
                                     -T(N) = 4+2T(N-1) = 400 = W
a) stree accustoset, ut 2)
  if ( t= = NUCL) &
                                       · T(N) = 1+ T(N-1) (0(N) = (00))
     t = (BTree) malloc size of ( Node);
     to value = 2
      to left = t - sight = now; q
   else toright = about oright, se);
  returne; &
```