

@ AVL-INSERT (T, x, Rey) if X== NIL x. Ley = bey x. h : 1 x. left = AVZ-INSERT (T, x. left, bey) of key ex. key x. left. p=x if key>x. key X. right = AVL-INSERT (T, X. right, bey) x. right.p=X else return NIL x.h=1+ max (x. left. h, x. right. h) balance = BALANCE - FACTOR(+) if balance > 1 and bey = x. left leg retro RIGHT-ROTATE(T,x) if bulance < - 1 and hey > x-right hey return LEFT-ROTATE (T,x) if balance , I and hey > x. left. hey × left = LEFT-ROTATE (T, x. left) rebrn RIGHT-ROTATE (T,x) if balance <- 1 and heyex. right. Ley X. right = RIGHT-POTATE (T, x-right) retin LEFT-20TATE (T,x) retin x

BALANCE-FACTOR(x)

if x=NIL

redin 0

else

return x. left. h=x.right.h

sandien USA

O(logn), n je broj člarom

- nukon boga stublo se rotira hato hi ostulo AVI stublo sulla rotucija je O(1)

- vigina AVI stublu je boyn i sub je vremenska složenost svih votycja ukupno O(logn)

=> VSA W AVL-INSERT je Ollogn)