1. X = 1/2 left

2. y. left = x. might

3. if x. might & NIL

4. X. might . y = 1/2

5. if y. y = = NIL

6. T. noot = X

7. else if y = = y, r. might

1. y. r. might = X

9. else y, r. left = X

10. x. might = y; x. r = y. r.

11. y. r = X

2) INSERT (T, X, hey)

1. if x == NIL

2. x.h = hey

3. x.h = 1

4. x.left = x.rlght = x.r = ML

5. Ise It hey < x.k

6. x. left = INSERT (T, x.left, hey)

7. x. left, r = X

8. else it hey > x.h

9. x. rlght = INSERT (T, x.rlght, hey)

10. x. rlght = INSERT (T, x.rlght, hey)

10. x. rught. r = x

11. else return x 11 re donospiono diplillote

191 It balance > 1 and hey 7 x left, h

19. X. left = LEFT-ROTATE (T, x. left)

201 return RIGHT-MOTATE (T, x)

21. It balance < -1 and hey < x. right, h

22. X. right = RIGHT-ROTATE (T, X, right)

23. return X

12. X.h = 1+ max (x.left.h, X.right.h)
13. balance = BALANCEOFNODE(X)
14. It balance > 1 and hey < x.left.k //left left
15. return RIGHT-ROTATE(T, X)
16. it balance <-1 and hey > X.right.k //right right
17. return LEFT-ROTATE(T, X)

ANALIU'

No satu mo validadi da su RIGHT-ROTATE I'LEFT-ROTATE O(1).

Nod imenta provide 11 linga se obiono ubadionej u BST isto se food balandronog stablo poput AVL-a O(lym), sei ce balandrones visina stablo unisek ostati O(lym). Prosperanogi balitara balandronoti i update rad visinom crosa se O(1). Do broso sei sodino samo LEFT ili RIGHT-AOTATE kaji su O(1), po se ubupua slovenot algoritura O(lym).