

of petrotaulno supolino i'umeno re hao most rejoluctios retha X 1' y slifedi da el X < R < Y, no y nje' necessor). Osun toga, y lett more bithi redok ad X ji do nje, predok od X blo hi y, right po hi unjedilo X > y. Isda petrotaulno do y nize numiri redok ad X cip je dijete isto redok od X. Tada hi taj najniti redok re blo u hikim podstablu od y po hi urpolilo re ey, sto ne nove pithi ji je y muccenor od X.

those x lifus objete od y, u algorithm successor while reblow se necle ilmistrir njednom (gir f x == par. left) po c'e se notaltir y.

Also ze desno djete, while jethor u algorithm prolecesor necle se hušitir njednom (gir f x == par. neght) pa ele se notalir y. Dable, točno jedna od te disje kniedje bit de strukta.

Welso of x node no hopen posityeno router TREE-SUCCESSOR;

y h-ti' successor od x (no y rousevano). Udaljenot vemedra

to dro évoro je malikuoluo 2h i' ne nere kieje projégia

tilly le inovora su pospédere dro puta (talo furciona algi ra

successor), no trebo

\(\leq 2h + 2h menera, by. OCh + h).
\)

Netro se x produvolais čvor u stablu. Kada se povore successor na x. p vero predu X. p i'x se horsti. Ozet se kovehi hod povoreno successor na naziech element u podstablu hozenis se horsti. Yos sobrons se moie horstili hado povolareno menimum tabla, no to su sedma 3 puta hada se tra vera moie horstili; po shrano da si rentime < 3 m = O(m).

1. X=T. noot

2. y=N/L

3. while x + N/L

4. y=X

5. it n.huy 2 x. her

6. x=x. left

1. ele x=x. nofit

8. n.y=y

9. it y==N/L

10. T. not = n

11. else it n.huy x y.hey

12. y.left = 1

13. else y. left = 1

13. else y. left = 1

tREE-SCARCH (R,h)

1. while X+N/L and 4+X.hey

2. If h < x.hey

3. X=X.left

4. else x = X.mylit

4. Ist x = x. right

5. return x

Evororo u petrovidagi na

1 rech fr registraf i

Evor hoji travisi, sto re
u suretu ne rodi.

7) TREE-INSERT ([,n) 1, x-t. -vot 2 4=NIC 3. while X + NIL 4. 4-x 5. it rhey < x hey 6. x-x.left 7. else x-x.night 8. 1. 12 4 9 = - N/L 10. 1. noot = 2 11. else of r. hely a y hely 12, y. left = r 13-Usl y. right = 2 INORDER-WALK (T, X) M X==NL return; Involer-wall (x. left) do something proder-walk (X, reglet)

WORST (ASE: wodo włocymo blycicene M sorthonory portly. Yodo ne vsho stubba dostici m race se while jettja ma llyfo 3 immit, n pertu. Wheno where diviously but de of ma) ju ju uton Luciani BST maliticity linked litta s m evorova, U tom ducaji, horder-wolk posetict is avord u ston redolplote u lusen ne lité insertan'; por c'é brof relundante poulso lity' proporcionales sum pruly 4 light M(141), ty. O(m2). Oshis toga, bush porlove in puta a while rebla' ele se with

(jer e x biti NIL tek nakon n poziva x = x.right

BEST CASE:
Abodo & BST
bolowstran, Joda
while stable me
memorye Ollym),
bosto Ke K
kodo while retto
ma layi 3 heeto
hisovoti ugrulo
Thom I puta;
o heet portono
m puta, objortam
NO (mlgm)
lest eak.

(jer u while petlji imamo provjeru pa idemo ili lijevo ili desno, a pošto je visina stabla logn onda e se while petlja izvršiti O(logn) puta.

New mys. no:

BO TO BO DAY BY A:

ili x = x.left)