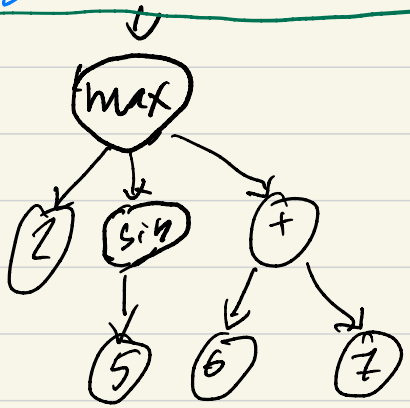
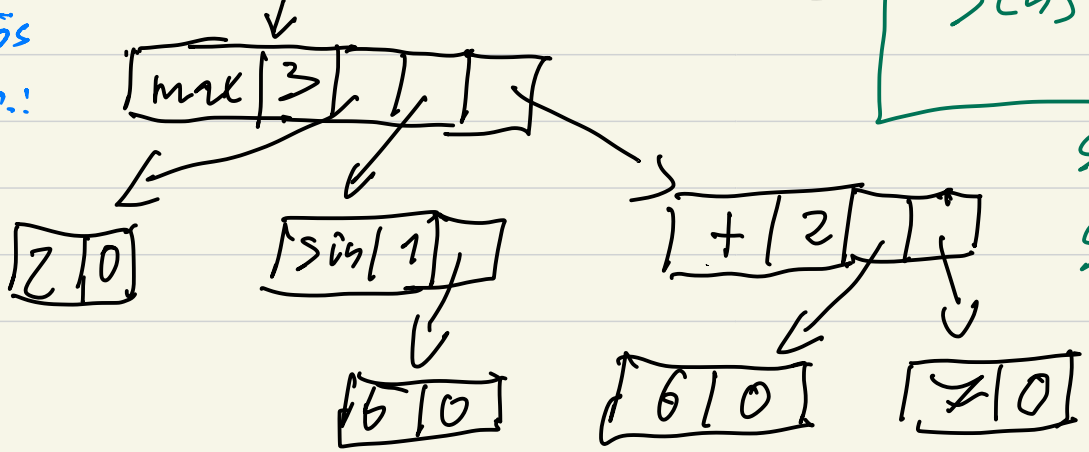
ÁLTALÁNOS FÁK



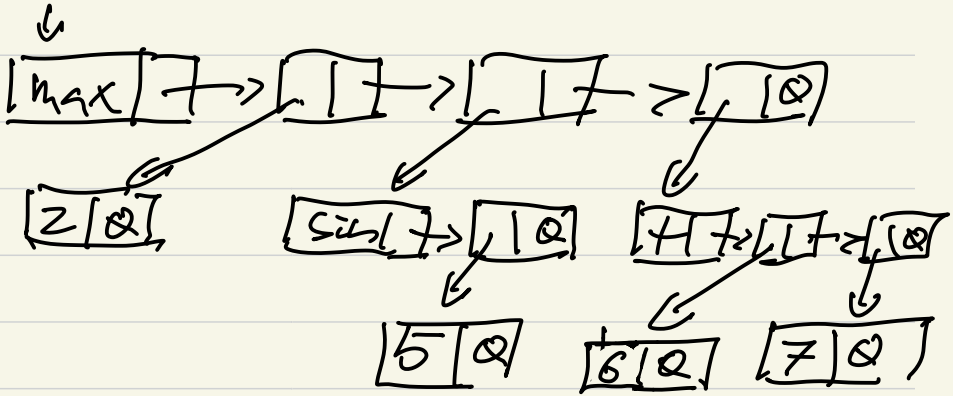
Szöveges repr.:

{max [2] [sin (5)] [+ (6) (7)]}

Pointertömbös láncolt repr.:



Csatolóelemes, láncolt repr.:



$S(n) = 4n - 1$

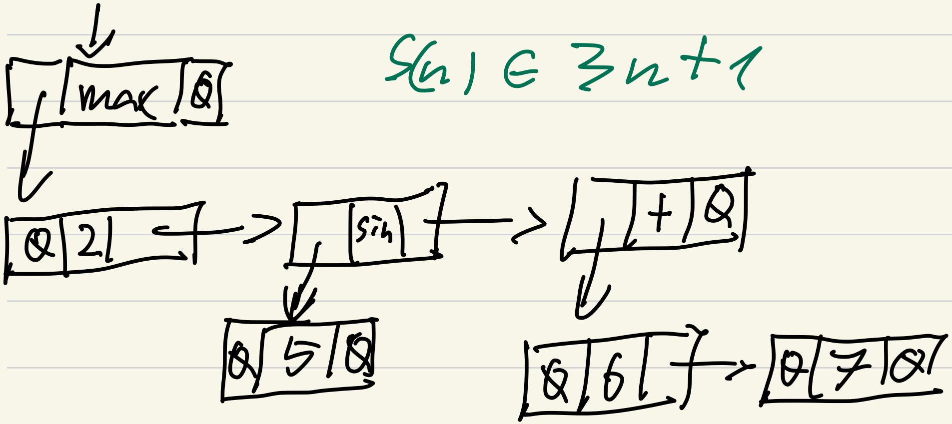
$S(n) \in \Theta(n)$

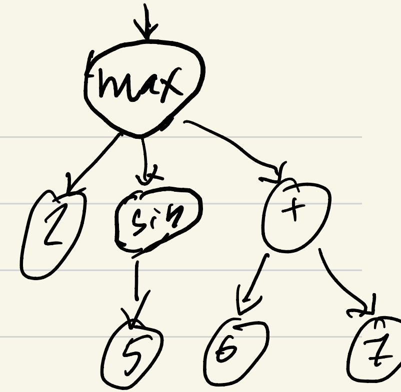
$S(n) = 3n$

$S(n) \in \Theta(n)$

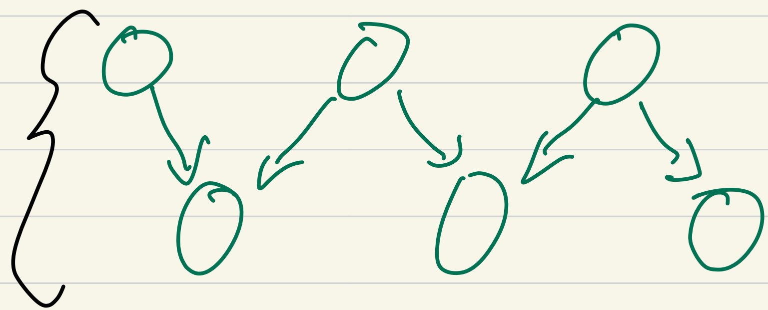
Bináris, láncolt repr.

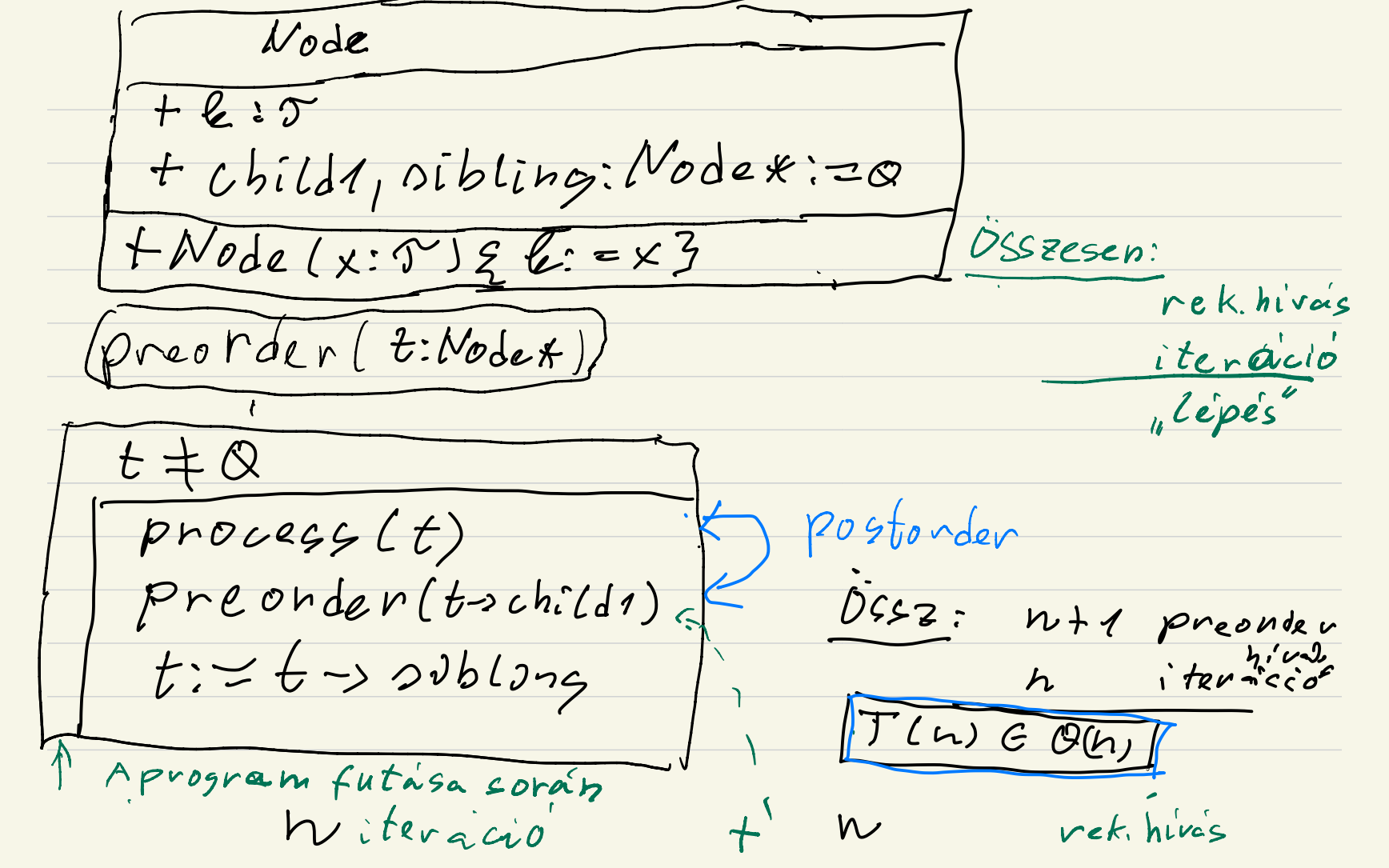
$S(n) \in 3n+1$





7 jón ná a
bin. l. r.




Node
+ k : T
+ child1, sibling : Node* := 0
+ Node(x:T) { k := x }
preorder(t:Node*)
t ≠ 0
process(t)
preorder(t->child1)
t := t -> sibling
Összesen:
rek. hívás
iteráció
„lépés"
postorder
Össz: n+1 preorder hívás
n iteráció
T(n) ∈ Θ(n)
A program futása során
n iteráció
t'
n
rek. hívás