$A. T(n) = \begin{cases} 1, & n=1 \\ 2. T(n-1), & although \\ \end{cases}$ 110=1 T(2)=2 115)=5 T(4) = 8 17(21 = 2 + e & (2) (pentre ambii timpi) 1, SRD bazzcaza) I, ORD 8) Casz 8) 2010) . O O(n log, n) devarece operation adangé à leape à carel defavorabil O(logen) construction uni leaper a clemente se creento in O(n) restragerea a O(a logan) (" ; lerger de O(logan) en def.) 2. 6) De slerge de re prima por D(1) treluis se deplessam m-1/2) el la dreapte Nod: at: 1 Nod, recimulating container: dr: Thoo, recinal drept rad: Noch, radacina e: Itlement, informatia utila R: Intreg, maltinea nodeli

subalgoritm acelasi nivel (a, e, e) bre: a: arlorele Cinar e: J Element, 1, dece nodrile se aflère acclasi rivel e': TElement Post: acelasi- rivel = (7) dans moderale ne se afle pe acelasi nivel relation (c) coode 1; G. rad R=0 adanga (c, a. rad); R1 = -1; R2 = -1 cat time 7 vida (c) executa: > stergerc, crt) Doca [Ort] st!= NIL ature [cot]. st. R = [cot]. R + 1 adays (c, cov J. at) (Dace Cortle=C R, Corts. R sfarsit dace Daci [ cot ]. e = e atrici sparsit daca Daco [ cot ] der != MIL atuno [[cst].dr], R=[cst], R+1 adausarc, corts, dr) sfarsit dec sfarsit cat time Dece R1 = R2 1 R1 #-1 atenci acelasi-nivel - Adevarat althel stersit das rivela Tals starrit subalgoritm