A.

Engagedanitur cona (2) those : we supposed bost: se votanneaser a ic-m Cattimp ist excuta 7.c- W cat timp jour executer SPCa+7mp ic- c m123 SRCattimp C610 (-0 SRSciliciloporition

Esquin Rogin

T(n) = Esquin $= \sum_{n=1}^{\infty} \log_n x_n = \log_n x_n \cdot \log_n x_n$ Sau 4(86.1) = 7(28-1)+1 7(1)=1 (1) $y(2^{6}) = 1+1+-.+1 = 60 = (000) \frac{\pi}{2}$

B. m=11 $d_1(c) = c \mod m = c \mod 1$ $d_2(c) = 1 + (c \mod (m-1)) = 1 + (c \mod 10)$ $d(c_1) = (d_1(c) + c * d_2(c)) \mod 1$ 0 1 2 3 4 5 6 4 8 9 10

c: 92 - 1 17 15 4 -1 23 59 88 31 10

se adauga 10 : (10 +0) 16 19 = 10 Se adauga 22: (0+0) 1/011 =0 Se adauga 31: (g +0)°1011 = g Se adauga 4: (4+0) 60 11=21 se adauga 15: (21+0)9011=41 x (41.5)°64 = 9x (442.5) POU = 147011 = 3 se adauga 28: 16+0)7011=6 se adauga 17: (6 +0)% 11 =6 x (6 + 1.7)%11 = 13%1011=2 se adauga 88: (0+0)% 11=0 x (0+1.8)/0 11=8 se adauga 59: (4+0)7a11=0x (4+1.9) % 11 = 13% 11 = 2x

(4+3.9)% 11 = 22% 11 = 0 x (4+3.9)% 11 = (4+2%)% 11 = 31% 11 = 9 x (4+4.3)%11 = (4.10)%11 = 40%11 = \$

CI.

a) vouisurei prop. de amommelle + are structurei de amommelle

-geomage:

combbetat que en etanda sa gradeta

o are relation: c= (min HEAP)

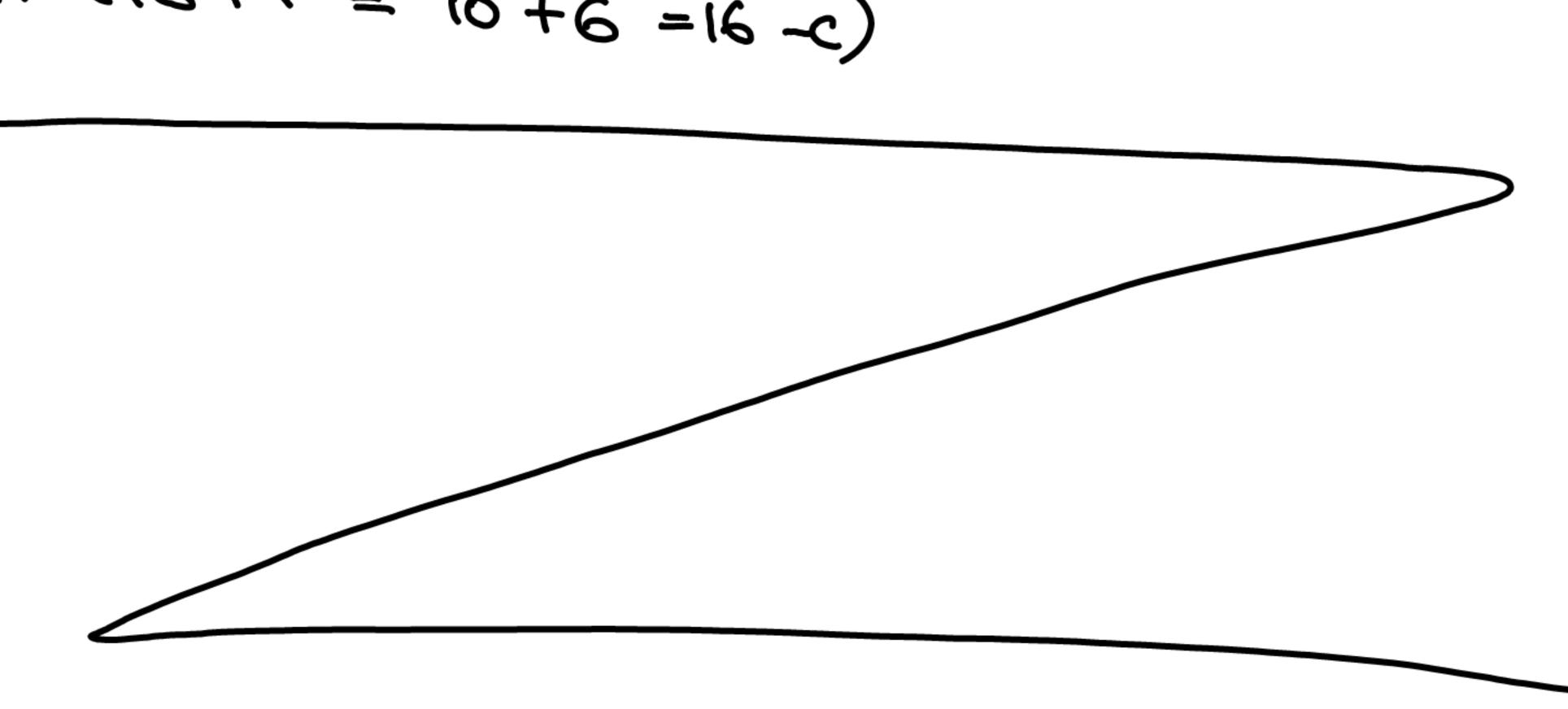
e) este ansamelle

cs. mr. minim de madrin. jutz-m orçare ernost

es enises mis somes

- 5000 -> 1 mag
- or-> of wagnering.
- 0 5 -> r wagmer.
- 2-2 8 wagmi.

altimus nivel countine an singur mood (se certe mr. min)



6.

pou

e:7 Feament

87: 4 Nood

don: 1 mal

: grassa

romorphophe) bout 1: r

orenoseri)

Suladyonitm DRD (a) estre

bost: a'este un orlore echielesont

3

Ac- a.n

B(-[a.z]. st

C (- ([a. 23.8+3.dz

M.St CCJ.dr

[BJ. dr C [C]. st

[C] . 8+ C- B

[C].dr C-A

3 soon recalcula maltjimille salar mu le am immads

DRB Ca

SR Suli algori fm

Complexitate:

- de timp: O(1)

- de sp. aditional: (1)

ideen

- se retime in Riecore mod

machimer

- magnerige 60 corps se magnifir.

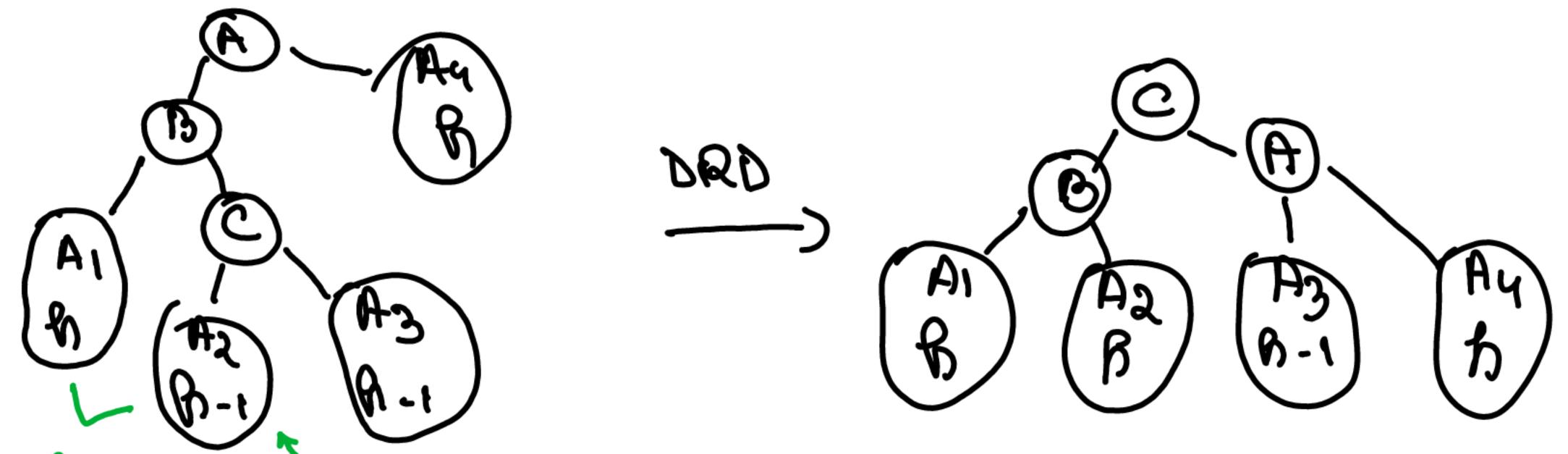
9, d. and sumt: A, B, C

B.B. - max (A1.B. A2.B) + 1

1+ (A. A. B. SA) × m ax (A3. B, A. B) +1

C. R= max (B.B, A.B)+1

Siteraties in como consum wendis que plep:



addugarm un mæd

Factorie de echilibre: va avea martinomen houpe

: JAADU AAA A9UA initi AL:

C:0 c: 0 => equilibra C: T

B: 0 B: 0 B: -6 A: - 1

A: 1 A: 2 => dozechile Cru

Com Ractorne de echilibre al Rui A este 2 => este necesonà a most good de poppe (avom a inattime poea more vin Subarcoorale steding), testagi, nu va le sockers. enter a singular sout. => dualla soutable

Schimeari:

C -> granne sraparima-

géacougentre 8t. or on on. c géonine 12 (12 c) descondentaç dr. al eui c devine A (caA) descempentre gr. of eur. B openime 43. descendent ce st. of buil A devine Az