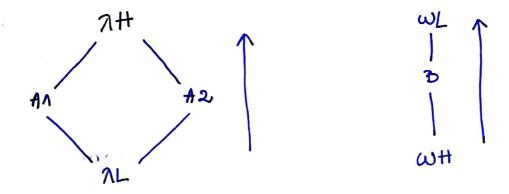
1

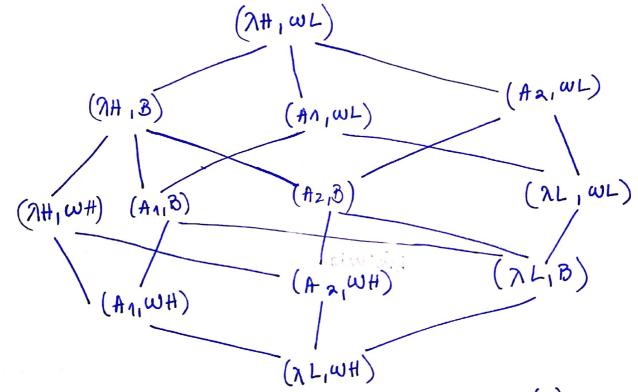
1

17

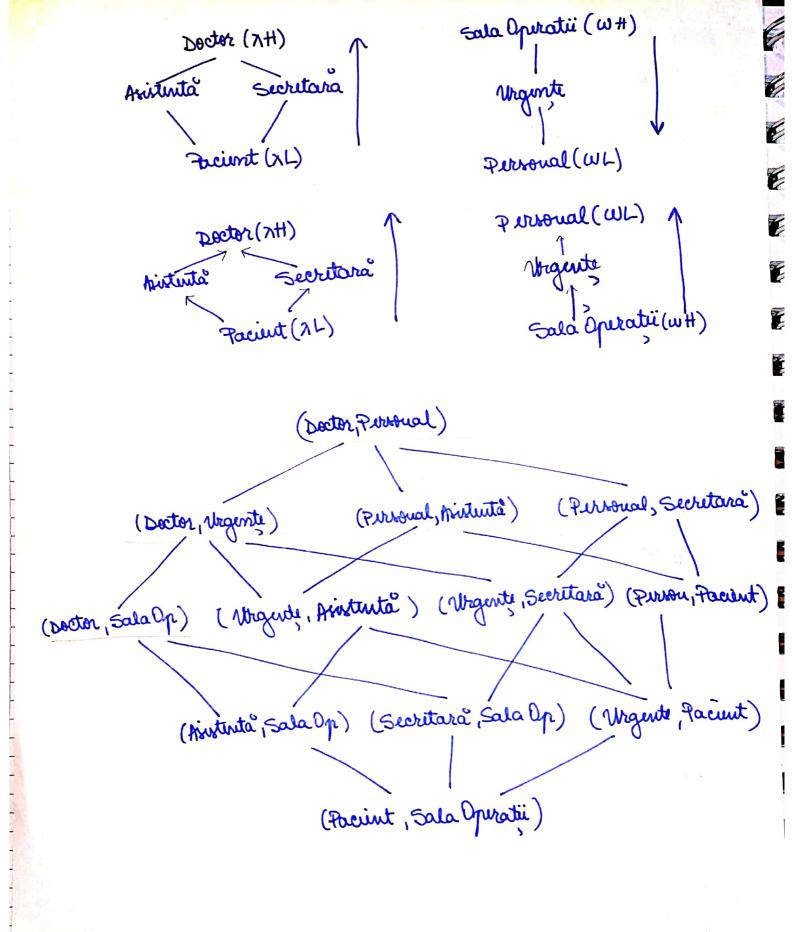
11.

1. a) case 3:





- > subrictul 5 poate citi obietul 0 € > N(5) > N(0)
- subjected & poate some objected 0 €) η(5) ≤ η(0)
- → julictul 5 poote cité shictul 0 => w(5) = w(0)
- > subjectul & poate sorie obcietul 0 => w(5) > w(0)



le) Care 3:

Rules: Sread 0 => 1(5) > 1(0) and w(5) > w(0) 5 write 0 & 7(5) < 7(0), and 0(6) < w(0)

i) Dave citute Lista, TRUE

Dave = SA

Lista = 03

51 read 03 => 7(51) = 7(03) and w(5) > w(03)

N(SI) = Dector

7 (03) = Aristenta

pristintà -> Doctor => Doctor dornina pristinta

=> 7(51) = 7(03)

w(SI) = Salady } => w(SI) = w(O3) @ w (03)= Sala 0/p

Din (1) Mi (2) => SI read O3 => Dave citata Lista

ii) Nancy cityle Dosar. FALSE

Nancy = 52

Dosarz = 04

52 read 046) 7(52) = 7(04) and w(52) > w(04)

 $\Lambda(0_{1}) = \text{maxima}$ $\gamma = 52, 0_{1} = \text{mcomparabile}$ $\Lambda(0_{1}) = \text{Secretara}$

 $\omega(52) = \text{Unguite} \quad \lambda = \omega(52) = \omega(04) \ \text{e}$

w(On) = Ungenti

Din Ori 0 = 52 NOTrued On => Nancy maity. Dosar

iii) Paul serie Retita. FALSE Paul = 54 Retuta = 02 Sy write 02 =) 1(54) 4 1(02) and w(54) 4 w(02) n(Sn) = Pacient n(Oz) = Doctor Pacient -> Doctor -> Dector domina Facient =) \(\lambda(\Sq) \le \Lambda(\O_2) \(\O_2\) w(Sy) = Personal w (Oz) = Migenta Wignite -> Personal -> Personal domina Wignite => W (5n) > W (02) @ Din O si O => Sy NOT write Oz => Paul me citerte Retita 2) ran_share (w, A14, sm, G) =? 1) reG(A,X) => weG(A,D14) => Apodte fi D16 2) p'=p sau p' se extinde initial spre p Exp'= sin nou p're ut. init, spre sin) => p'= suriet η εj Jun tg-path de la p'la sm de forma (t) *g) + n 3) s'= s sau s' se estimale terminal spres => 1 = 016 sau s' se est. term. spre 016 p = subject sun tg-path de la s'la es de forma (F)* 1010 / 3'A (Ar mai fi S15, dar el mapartine de nicio insula) 4

4) Thesele 1) A1, A2 p1

1) A11 = 1

3) A3, A9, A10 = A

Bridge between ij, ijta, #14jcn

[in-iz Alegem /1 = sm (pentre ca il contine pe sm) si iz-iz in=z= sz, sq, sno (pentre ca il contine pe sno) =) =) iz= s1, s2 subjecti

Subict

Delaizlaiz:

i2=1,1/2) \vec{x} \vec{x} : 12-16-14-08-53 i3=13,19,100 = (\vec{x}) * $\vec{g}(\vec{x})$ * => \vec{x} tridge inthe iz his fraud in vedure ca toate cell 4 conditie ment respectale, com. where (N, 117, 111, G) = true.

2: y take g for new obj. p.

2: y take g for p from x

3: y grant r for z to p

4: x take r for z from p

So, x has r right over z