9124 Mil. Anategia dimination very me mult S={pv79, 2m, 72v9, 7pv723 Pas 1: Elimerarea deuxelor tantadogia (cot: MVSV 7m) Pas 2, Elsonshaden clauselor subarnate de alte clause ( est un svt endountaide nes) Pas 3: Elimbraren clauselde en contin literali queri ( un literal e que dace D' negetta sa mérica;) Pos 4. Eleminarea clauselos unteste, a durado a contin claura unitate sistergerea negativa idinalelete chage Resgt QUIZ, 7gun) = n S= {pv7n, 2xt, 72vn, 7pv7n, ny Pr. Nu sunt

Pr. n-este lausor unitate => S= {x, 7p}=> S={\frac{1}{2}}

Pr. n-este lausor unitate => S = {x, 7p}=> S={\frac{1}{2}} => Sexte incos intental

5={ 2 vg, 7 gvg, 7 px 23

Pas 1: -

Pas 2: -

Par 3: - perste literal pur, deci => 5 = { g xh, in xm} n este literal pur, deci => 5 = \$ , commisternta

9,1,25. Folomed Arategia multima myset, don.

$$PV7n, 72 \Rightarrow n, 72 \neq 7(P\Rightarrow 2)$$
 $U. = PV7n = C.$ 
 $S = \{C_1, C_1, C_3, C_4\}$ 
 $U_2 = 9 \vee n = C_2$ 
 $V_3 = 19 = C_3$ 
 $V_4 = 19 \vee 9 = C_4$ 
 $V_5 = 19 \vee 9 = C_4$ 
 $V_6 = 19 \vee 9 = C_4$ 
 $V_7 = 19 \vee 9 =$ 

9.1.26.2. Den leger ilogermelie (P-2) -> (G->r) -> (P->r))
Missend o met. rementien taled semantice.  $J\left(\left(3-3V\right)-3\left(b-V\right)\right)\left(3\right)$ taleel sem mohisa 1 T.C.C Janua tantologico

Logsen Overdicatelos Problema; Su se transforme den hyndag matural in lambag logic. (inconsiterta) Suma a dout me, parl ete un me, somper. ront, 2 mot  $At: D: Z \rightarrow Z, D(x,y) = x + y$ Bod: P: Z -> {T, F}, P(A) = "Heror"  $(\forall x)(\forall y)(p(x),p(y) \rightarrow 7P(p(x,y)))$ 

Detilo interpretare en doneren livit sinne en don infinit pt; Nzg. (3x) P(x) 1 (2x) Q(x) -> (3x) (P(x) vQ(x))  $\mathcal{D}_{1}=\langle \mathcal{D}_{1}, \mathcal{m}_{1} \rangle$ D= {1,25 Red:  $m_1(P): D_1 \rightarrow \{T, F\}, m_1(P)(1) = T_1 m_1(P)(2) = F$   $m_1(Q): D_1 \rightarrow \{T, F\}, m_1(Q)(1) = F_1 m_1(Q)(2) = T$   $\sqrt[3]{n_1(Q): D_1 \rightarrow \{T, F\}, m_1(Q)(1) = F_1 m_1(Q)(2) = T}$   $\sqrt[3]{n_1(Q): D_1 \rightarrow \{T, F\}, m_1(Q)(1) = F_1 m_1(Q)(2) = T_1$   $\sqrt[3]{n_1(Q): D_1 \rightarrow \{T, F\}, m_1(Q)(1) = F_1 m_1(Q)(2) = T_1$  $=\sqrt{2}((\exists x)\rho(x))(x(\exists x)\rho(x)) - \sqrt{2}((\exists x)(\rho(x))\rho(x))) =$  $= \sqrt{2} / (\exists x) p(x)) \sqrt{2} / (\exists x) Q(x)) \rightarrow \sqrt{2} / (\exists x) (p(x)) Q(x)) =$  $=\left(m_{1}(P)(1) \vee m_{1}(P/(2)) \vee \left(m_{1}(Q)(1) \vee m_{2}(Q)(2)\right) \rightarrow \left(m_{1}(P)(1) \vee m_{2}(Q)(1)\right) \wedge \left(m_{1}(P/(2)) \vee m_{2}(Q)(2)\right)$  $= \left( \begin{array}{ccc} T & V & F \end{array} \right) V \left( \begin{array}{c} F & VT \end{array} \right) \rightarrow \left( \begin{array}{c} T & V & F \end{array} \right) V \left( \begin{array}{c} F & VT \end{array} \right) =$ TYT->TYT=TOT=T=> ], este model => leto,