(2 p-) in premiso (3) u = MP(1,2) p19-)74 plemita PAQ) intero 9 (->e) (4,5) 6 (<u>1</u>) 72 3,6 7 (p19) 7i 5=9 7pV 7g TP ignatero-L 7 12, 1 19 => 9 = fals (14) 9 -7 7 N

 $\begin{array}{l} \forall x \ (\exists g \ A(x,g) \ \Lambda \forall g \ TB(x,g) -) \ T \ (\exists g \ A(x,p) \ \Lambda \ C(x))) \\ \forall x \ (\exists g \ A(x,g) \ \Lambda \ \forall z \ TB(x,z) -) \ T \ (\exists p \ A(x,p) \ \Lambda \ C(x))) \\ \forall x \ (\exists g \ A(x,g) \ \Lambda \ \exists z \ B(x,z) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \forall x \ \exists g \ \exists z \ \forall p \ (A(x,g) \ \Lambda \ B(x,z) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \forall x \ \exists g \ \exists z \ \forall p \ (A(x,g) \ \Lambda \ B(x,z) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \forall x \ \forall p \ (A(x,f(x)) \ \Lambda \ B(x,x) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \forall x \ \forall p \ (A(x,f(x)) \ \Lambda \ B(x,x) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \forall x \ \forall p \ (A(x,f(x)) \ \Lambda \ B(x,x) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \forall x \ \forall p \ (A(x,f(x)) \ \Lambda \ B(x,x) \ V \ T \ A(x,p) \ V \ T \ C(x)) \\ \end{cases}$

5	R	
Ø	g(x, f(x), f(a), v) = g(h(y, v)) = $g(h(y, v), f(h(2, u)), 2, f(2))$	Initial
	x = h(y, v) f(x) = f(h(2, u)) f(a) = 2 x = f(2)	Se2€ .
$\times = h(y, v)$	f(h(y, v)) = f(h(z, u)) f(a) = 2 v = f(z)	Rezolvá
2 = f(a)	f(h(y,v))=f(h(f(a),u)) v=f(f(a))	Rezolne
v = f(f(a))	f(h(y,f(f(a)))= =f(h(f(a),u))	Rezolvo
	J = f(a) $M = f(f(a))$	Desc.
X = h(f(a), f(f(a))) Z = f(a) N = f(f(a)) M = f(f(a))		Rezolva
y=70		

a)
$$1, n(a, a)$$

 $2, 2(x, a)$
 $3, p(x, y) := 2(x, 2), n(2, y)$
 $2 - p(x, 2)$
 $7p(x, 2)$

```
(1) x(d, le).
                                  ?-p(x), m(y,x),p(y)
   (2) fld, d).
   (3) m(a,d).
   (4) m(b,c).
   (5) p(a):
   (6) p(d)
   (7) P(Y): - P(Y, x), P(x)
      60 = 7p(x) VIm(Ya,x) VIp(Ya)
\left(x=d \quad G_i = 7p(d) V_{7m}(a,d) V_{7p}(a)\right)
y=a 62 = D
  x=d G, = 7m (Y,d) V 7P(Y) (SLD, 6, 0= 9x=d3)
  4-a 62 = 7 m (a,d) (SLD, 5, 0 = { y - a})
  615 \text{ cm} \quad 3 \quad 63 = D \quad (5 L \Delta, 3)
                                             ?- 6.(c,a)
 Po.
1 (i) 2(0,a).
2 (ii) 2 (c, le).
3 (iii) g(x, z):-g(x, Y), g(Y, z).
4(iv) g(x,y):- g(Y,x).
    60 = 7g(c, a)
61 = 7g(c, Y) \vee 7g(Y, a) (SLD3)[x-c, 2-a])
    G_0 = 7g(c, a)
    En-Tateslat + 7g (Y,a) (SCS 2, Valo)
    62 = 7g(c, Y) V 7g(a, Y) (SES, 4)
    63 = 75 (a, y) (SLD 12, 0 = {y = l})
    69=D (SLD,1, 0= Eyc- a7)
```

= 2(x, y), 2(y, z), (2(x, z), 2(x, y)) = 2(y, x), (2(x, y), 2(y, x)) = 2(y, x), (2(x, y), 2(y, x))18 1 (1) g(a,b). e (ii) 2(c,b). 3 (iii) 2 (x,2) 4 (ir) 2(x, y) 7. - g(c, a) $72(c, \alpha)$ $72(c, \gamma)$ $\sqrt{72(\gamma, \alpha)}$ (SLD, 3, x = c) 24a3Go = 72 (c,a) $G_2 = 72(c, y) \vee 72(a, y) (SLA, 4) = 72$ $G_3 = 72(9, y) (SLA, 2, 0 = 2 y = 63)$ Gy = 07 (SLA, 1, 0 = 2 y = 62)