Ejercicios 2,3	
<u>1</u> .	
b) $((\emptyset \equiv \Psi) \equiv (\Psi \equiv \emptyset)$	
$ \begin{array}{c} V\left(\left(\left(\left(\left(\left$	= T
$(1) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$V((A \equiv A)) = L$
A = (U(0), V(V)) = T	$H = (\vee(\psi), \vee(\emptyset)) = \uparrow$
B1 decimendo V (0) = V (V)	Por definición
	$V(\psi) = V(\varphi)$
(2) $V((0 = \psi)) = f$	$V((\psi = \phi)) = \epsilon$
$\cdot H = (V(\emptyset), V(\psi)) = f$	$H = (V(\Psi), V(\emptyset)) = \mathcal{E}$
Par definition	Pot definition
$V(\varphi) \neq V(\forall)$	$V(v) \neq V(\varphi)$
valores , de o y. W para	$\vdash ((\emptyset \exists \psi) \exists (\psi \exists \emptyset))$
$V(\phi) = V(\psi)$	
V(0) = V(v)	
$C)$ $((\emptyset = (100) \pm .0)$	
V (((0 = 410e) = 0)) = +	
$H = (V((\phi = (v \circ)), V(\phi)) = \Gamma$	
(1) V ((Ø = Live)) = T	$V(\phi) = 1$
metaleoremo 2,23 (=) Pot clef V(tive) = T	
V(0) = V(t(ve) = 1	
(2) V ((0 = (xye)) = F	V(Q)= E
metalcoremo z.23 (=)	
ν(φ) # ν(ξιυε)	
Por sief. V(live) = T entone	es .
natures de para = (1	$Q = E(\cup e) = Q$
$V(\phi) = T$	
$V(\psi) = f$	

...

F) ((p v false) =	≡ Ø)	-		;			
	(Q v foilse)							
, H =	(V ((Q N fall	$(sc)), v(\varphi)$)=T					
(1)	((Q v ealse)	1 = [v (0) = +				
H	(ν(φ), ν	(rabel)						
Pox	definició	in V(faise) =	F					
14	(V(V), I	E) = (
	V(0)=7							
	((Q V False			h (d) =:	F			
H	1 (10), 10	fa(se))=f						
H	ν (ν(φ), ·	F) = E	+++					
	$\Lambda(b) = 6$							
vale	res de	o para	¥ ((0	v faise) =	(0)			
N	(0) = 5							
V	$(\varphi) = \Gamma$ $(\varphi) = \Gamma$				1			
9) ((Q U Q) =	(p)						
	(((Q)VQ)) =							
		(φ) (φ)	71					
(1)	Medicury 3	= (.		ν(φ)=1				
		123 14						
	T = (0)							
(2) \	1 ((φυφ)) netateo(emo	F F		V(0)=	f			
		1 (CO (V)						
1	$\Lambda(\emptyset) = E$							
Val	0195 96	o para F	= ((Q V)	$\varphi(0) \equiv \varphi(0)$				
\	1 - (0)							
`	1 (0) = =							
					111			
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κ) (τ (φ Λ (τ φ)))	111	
$V((\neg(\phi \land (\neg \alpha)))) = 0$		
H_{τ} ($V((\varphi \land (\tau \varphi)))) = T$		
$V(((\phi \land (7\phi))) = \emptyset$		
H_{Λ} $(V(0),V((\neg 0))) = \xi$		
$V(\phi) \neq V((\gamma\phi))$		
$V(\varphi) \neq V((\varphi))$ $V(\varphi) \neq H_{\neg}(V(\varphi))$ $V(\varphi) = V(\varphi)$		
$V(\phi) = \Gamma$ $V(\phi) = F$		
$(\varphi \rightarrow (\psi \rightarrow \varphi))$		
V ((0->(4->0))=f		
$7 = (((0 \leftarrow p)) \cup (0) \cup (0) \cup (-1)$		
$(1) \forall (0) = 7 \qquad \forall (0) \forall (0) = 7$		
$\begin{array}{c} \text{por reemplaro} \\ \text{H-2}\left(U\left(\Psi\right),V\left(\varphi\right) \right) = \emptyset \\ \text{H-3}\left(V\left(\Psi\right),T\right) = \emptyset \\ \text{V}\left(\Psi\right) = \emptyset \end{array}$		
$H \to (V(\psi), T) = T$ $V(\psi) = F$		
V(V) = T		
$(z) V(Q) = \xi \qquad V((Q + > Q)) = T$		
POI 100 MILLS (V(V), V(V)) = T		
$ H_{\uparrow} \setminus V(\psi), F = T.$		
V(M) = É		
(3) $V(Q) = \ell$ $V((\psi \rightarrow \psi)) = \ell$		
H-> (V(W), V(Q)) = (
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
Valores de Q y Ψ para ⊨ (Q->(Ψ->Q))	2.	
$V(\emptyset) = t + V(\emptyset) = t + V(\emptyset) = t$		
V(V)=F 4 V(V)=F0 V(V)=T		
		2
	= #	

$((0 -> \psi) = ((\neg \psi) -> (\neg \psi)))$	
V ((((0 -> \u) = ((1\u) -> (7\u)))) =	
. H= (V((0->0)), V(((0)->(1	7(0)))) = 7
$(1) V((\phi - \gamma \psi)) = T \qquad .$	$V(((^{1}\psi) -) (^{1}\psi))) = T$
H-> (V(Q), V(V)) = 1	$H \rightarrow (V(rv)), V((rp))) = r$
V(0) = V(0) = F	$H_1(V(\emptyset)) = H_1(V(\emptyset)) = T$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$H_{1}(V(\psi)) = \emptyset$ $H_{1}(V(\psi)) = T$ $V(\psi) = T$ $V(\psi) = \emptyset$ $H_{1}(V(\psi)) = H_{1}(V(\psi)) = \emptyset$
	$H_{2}(V(\emptyset)) = H_{1}(V(\emptyset)) = F$ $V(\emptyset) = V(\emptyset) = T$ $V(\emptyset) = V(\emptyset) = F$
-	
(z) V (((-) 4)) = F	((((10) ->() ())) = T
H-3 (V(0), V(4)) = =	V(Y) = V(Q) = T $V(Y) = V(Q) = f$
V(0) = T V(4) = F	$V(h) = L$ $V(\Phi) = E$
$(3) \lor ((Q-)\psi) = C$	V (((¬\psi) -> (¬\psi))) = C
$A \rightarrow (V(Q), V(\Psi)) = \emptyset$	$H_{T}(V(\emptyset)) = T$ $H_{T}(V(\emptyset)) = F$
V(0) = 4 V(4) = E	$V(\psi) = f(\psi)V(\psi) = T$
	$\models ((\phi - \lambda \psi) \models ((\lambda \psi) - \lambda(\lambda \psi)))$
V(0) = V(0) = T $V(0) = T$ $V(0) = T$ $V(0) = T$	
V(0) = V(4) = f V(0) = V(4) = f	
2, 6) ((17) (9)	
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C) $Sl \models (0\rightarrow V) \lor l \models (\psi \models T)$	en once = (0 -> T)
F (V=1)	
V((V=V))	7 = ((0 -> 1)) = (
(H-) (V(Q), V(Q)) = [H= (V(Y), V(7))+(1)+, (v(0), v(1))=(
$V(\phi) = V(\psi) = $	
v(0) = v(1) + c $v(0) = v(0$	
	V (Q) = E V (Y) = T
SI \models ($(0 = \psi)$ $\downarrow \downarrow \vdash$ ($(\psi -)$?) e	nionces = (0-> m)
(Q = 4) (V - 1)	F (0->4)
V(0 = 0) = 1 $V((0 - 1) = 0$ $V((0 - 1) = 0$ $V((0 - 1) = 0$	
V (0) = V(4)	
$V(\psi) = V(\gamma) = $	
V(V) = E V(T)	7=(7) 1 3=(0) 1 7=
? a) Q es insatisfacible sii F	$= (Q \equiv False)$
(1) SI Q es inscriscacible 1	= (Q = Calse) = Calse) = Calse
V(0) = E	POC LEGINGIGED
	H= (V(Q), V(Eqlse)) = T
	H= (+, +) = T
(2) \models (0 = $fabe$)	SI V(Q) = F, entonces Q es
V((0 = (cabe)) = t	inschiseacible
metareoromac 7.23 (=)	
N (Gaise) = f	
V (Ø) = +	
b) @ es inschibedicible sil	F -(h φ)
(1) SI (1) O INSCHISTORIBLE	H (7 (0)
· N ((0) = F	y((10)) = 0
	vetatedema 2.23(1)
$(1) \leftarrow (70)$	SI V(Q) = f, entonces Q
metaleocema 7.23 (7)	es manstarise
V(0) = F	

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10. a) =	(0	=	4)		Si	- 1	=	φ	4	t	-5	Ψ					;												L	
			(2)			-	-		1							-	6	13									-	+	+	-	-
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c) $\Gamma \models (\phi + \gamma \psi) \leq \pi \qquad \Gamma \not\models \phi \qquad \circ \qquad \Gamma \models \psi \qquad :$	
POY definition 7 es schiseculible y (10->4)	
The activities to sanspearse y (4 1)	
$(1) \ V((0-1)) = T \qquad \Gamma \neq \emptyset \qquad (\vdash Y)$	
metateogena 7.23 (-7) V(Q) = F V(V) = T	
V(0) = V(0)	
V(Q) = V(Q) = V(Q)	
(i)	
V(0) + 0	
Por keemplaza	
$H \rightarrow (V(Q), V(A))$	
H->(F t)=T	
d) [# (QVY) \$ii [# Q Y [# Y	
All POI OFFINITION (QVV) es inscrisficiolite	
V((((v)))= f	
metal conema 2.23 (V)	
V(0) = V(1) = 1 $V(0) = 1$ $V(1) = 1$	
(e) por definición q 4 4 son inschisfacibles	
(# O F # Y F # (n v y)	
$\frac{A_{V}(V(Q),V(V))}{A_{V}(F,F)} = F$	
AV (t, t) = t	
7. a) $s_1 = \varphi$, entonces $r = \varphi$.	
The state of the s	
Por me-cet abrema 2.34	
Posidefinición (es sempercipie y 10 también	
	•
T = 0 suponemos = 0, enfonces	
V(0) = T V(0) = T y r es satisfações	
b) si [= Q y [= A entonder A = 0	
por deporción (e) salisficible	
T = T	
como T es satufacible, pero T es un subconjunto proprio	
cle b, entonces no se puede afrimai que:	
$\triangle \models \varphi$	

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