3f. pdf assumption (2) premise 1. (1) 1 (P19)1r assumption 14,1 >e,2,1 Nez. 2 premise premise 4 SAt →e, 3,4 10,4 Par 12.3.5 6 915 (p>q) > (p>r) >i,1-6 assumption (3)1 assumption (4) ] assumption premise 2 →i,1-2 >e,1,2 16,3 1lz, 3 9→(p→(p→(q→p))) →i,1-5 ->i,1-5 ñ. 6.7 (p->q)∧(p->r)

15) 1 P 17	premise	2.(5)   Yx 7p(x)	Premise
2 P	16,1	2 77xP(x)	$7 \pm x \phi + 7 + 7 = 7 = 7 = 7 = 7 = 7 = 7 = 7 = 7$
3 TP	Nez, 1	füz	
4 1	76,2.3	E .	
5 7 (r-79) N(r-79)	) Le,4		
2. (1) 1 5	assumption premise	$\begin{array}{ccc} (2) & 1 & \forall X P(X) \rightarrow S \\ 2 & 1 & X (P(X) \rightarrow S) \end{array}$	3f\$46 ]X(P->4) 11 4XP->4
$ \begin{array}{c c} 2 & \exists X(S \rightarrow B(X)) \\ 3 & (x_0 & S \rightarrow B(x_0)) \end{array} $	assumption	Agran S	φ=γ(λ), (3)
4 (2(%)	78,1,3	7 3X1/6-	1,15
5   7xQ(X)	3xi4	The state of the s	
	3xl2,3-5		
$7 S \rightarrow 3 \times \Omega(X)$		(4) 1 78x7P1X	) premise
(3) 1 YX (P(X) 12 Q(X).	premise		11 24 ap 4-1201
2 P(X0) 1 Q(X0)	Axel	2 3x 77P()	
3 P(Xo)	Ne1,2	3 x0 77 P(x0	
4 VX P(X)	VX i 3	4 /7(x0)	
5 Q(X0)	162,2	$5 \left[ 3 \chi D(\chi) \right]$	
6 AXB(X)	Yx i 5	6 AXP(X)	) = x e 2,3-5
T. YXP(X) N YXQ(X)			