Tutorial 2

W) (PV7R) -D7(7QVR)

P=1/P=0.

1-17QVR) 7(7QVR)

7(71VR) 7 (NR) 7 (OUR)

7 (R)

(PNQN7R)V.

(IUTR) D7 (TQUR) (OUTR) -D7 (TQUR) 7R -07(7QVR)

7R-27(OVR) 7R-27(3VR) 72271.

TR-PTR 7R-00.

2

	P		PHQ
		0	
		1	
**	N .		
		1	

(PNQ) V (PNQ). DNF CNF

7[(7PRQ) V (PR7Q)].

7(7PRQ) N 7(PR7Q)

(77PV7Q) N (77V77Q)

(PV7Q) N (7PVQ)

7 (A 1 8 1 C) 7 (A 1 (Buc)) 7A 1 (Buc) 7A 1 13 17 C.

CEUDINA TON V' NOT ALLOWED! PN (QUR) CNF PN (QU(RNS)) XCNF

Let I be the set of 211 interpretations.

 $mod(A) \subseteq \mathcal{I}$   $\mathcal{I}/mod(A) = mod(7A)$ 

 $5 \neq F$   $mod(s) \subseteq mod(f)$ 

If SFF, then  $mod(S) \cap mod(TF) = \emptyset$ 

 $mod(SU\{F\}) = mod(S) \cap mod(F)$  $mod(SU\{7F\}) = mod(S) \cap mod(7F) = \emptyset$ 

PUQ PUQ 7P

Relevant line.

P	0	PJQ	78	(PVQ)~7P/	(PVQ)~7P) -PQ
0	0		1	0	1
0	1	1	4	1	1
\	0	1	0	0	1
					1
				•	1

tedobest.

TUHOR 21 2

1

P	)	Q \	PIQ	PP	X
1	1	1			1.
	1	0	1		
	0	1	1	1	
	5	0	1	1 1.	
9	=	P			

## TU+01.5/3

\_ 5 = D viers consone ven files.

- U=D system being opgraded.

  A=D users can access the filesystem
- (2) A-DS
- 3) 75-27U Specification= 4U-27A, A-25, 75-27U/

Tutorial Z PVQ, PDQ.

T(TPNO) = PJQ. Pla = 7(Pna). (P17) [Q1Q] = PvQ. P-DQ=? TPVQ= T(PNTQ) 7PV 77Q 7 (P~7Q) = 7PVQ PDQ P/(Q1Q) 31 = D complete!

•

Thurse 3 QL continued

Specification =  $(U \rightarrow 7A, A \rightarrow S, 7S \rightarrow 7U)$ Suppose G(U) = 0  $G(U \rightarrow 7A) = 1$  G(7U) = 1  $G(7S \rightarrow 7U) = 1$   $G(7S \rightarrow 7U) = 1$  G(Y(U) = 0) G(

Du satisfies Specification therefore the Specification is consistent.

v(75-270)=1

v(S)=0.

O = (A)v

QPPQFQ.

(P)=1 (PAD)=1 =1 5(Q)=1.

Every interpretation that makes

P and PAQ true 2150 maring

Q true!

RU PDQ HQ-DP

0=(90-DD)20

r(0)=1

Conkinoral

G(P)=0.

(lu) PJ7Q × P

(P)=0

2(30)=1.

(iv) Pn nP FQ.

4

mod (Pr7P) C mod (Q)

De mod(a)