Name - Ashwati Shorimali PRN - 20190802104 Assignment bropositional dogse It is not the case that guy comes H -> Havi comes (C) (HVR)) 1 (-76 2) Hari is not only stupid but nasty too. P- Havi is stupid Q- Havi is nasty pAP 3) Nobody laughed or applanded P anybody laughed

anybody applanded

(P) 4) Sita & yita are brother and sister or nephew and niece.

s-gita is a nièce (png) V(xns) p: Havi wants to come to the dass . Hosi will come to the dass today Hair audits the class : Havi is enrolled in the class. -> Havi will come to the dass today even though he doesn't want to 2) (pn - 9 ns ->9) n (-1pn-19 ns ->9) Hori may or may not want to some to day not as an auditor but as envolled in the class 3) (s -> p -> q) N(9+ > p) Havi will want to come to class today if he is enoubled in the class and wants to audit.

Scanned by TapScanner

$\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$ $\frac{\partial g}{\partial x} = \frac{\partial g}{\partial x}$	
phqpvh	
	pvh->g -((pvh)->g)
T T T T T T T T T T T T T T T T T T T	T F T F
T F F T T F F F F F F F F F F F F F F F	F T F T T
F F F	T F
a) $(-19 \rightarrow (p \vee h))$	
Phggg	pvh (¬q→(pvh)) T T T
T F T F T T F T F T F T F T F T T F T T F T T F T	T T T T T T T T T T T T T T T T T T T
F F F T	F F F

Scanned by TapScanner

3) (p-19) v (-p-19) P 9 p-19 -p -p -p (p-2) v (-p-1) T T F F T T T F T T T T F T T T F T T T F T T F T T F T T F T T F T T F T T F T T F T T F					Date	5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3) (p->9)	v (p-))			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	P T F F A	TFTTT	FF	THE THE	2 (p-12) TTTT	v(7p)
	P 9 T T T T F F F F	P-99	FTFT	PV-9	FFTF	(p-79) (pv-9) T T T T T T T T T T T T T T T T T T