10/4/21

ABDUL RAFEH CSC-20S-104

()	7DV-	701
	/	V

\mathcal{P}	9/	-10	7/2V9/	-(-pva/
\mathcal{T}	7 ^V	f'	1T Y	f // //
T	f	f	F	T
F	7	Î	Î	Ç
F	f	T	7	f

3 (Pvq) V(19)

P	V T	79/ F	Pray	(Pray) V(-19)
T	f	T	\mathcal{T}	\mathcal{T}
f	T	F	\mathcal{T}	\mathcal{T}
F	f	T	F	\mathcal{T}

(P)	1(9/18)	è				
	P	9	Z	9/18	PACOM)
	<u> </u>	7	f	F	F	
	7	f	Ţ	f	F	
	f	<u>†</u> T	T	7	F	
	f	T	f	F	F	
	f	f	F	f	F	
0	Aar . L	•	a / ia	of t		
	May, whe	ne is	the state of the s		<u>u</u> .	
•	P '	eV C	P 16	V		
	T T	F	F			101

(b) Dial bus I Clas
PAQ, where -19/1s not false.
2 2/ 20/
P 9/ -19/ PA9/
T F T F
f T T
F F T F
(1)
PVQV, where 7/2 is false.
P 9 -12 Pr9/
TTTT
7 6 6 7
C T F T
\mathcal{C} \mathcal{C} \mathcal{C}
(8)
Pray, where op is not true.
P Q P PVQ
$\frac{1}{\sqrt{1-\frac{1}{2}}}$ $\frac{f}{\sqrt{1-\frac{1}{2}}}$
$\frac{F}{O}$
F F F

> (Pray) (PO) (PAq) ->(pvq)

(3(pray) -> 8 = (P->8) 1(9/->8)

P) q	' X	Prov	P->>6	9->8	(Pray)	->0 (P->8) 1
- <u>·</u>	T	T	T	T	T	7	(9/->8)
T	7	F	7	F	ſ-	F	7
·T	F	7	7	T	T	T	F
T	F	F	\mathcal{T}	F	\mathcal{T}	f	T
F	Î	T	T	Î	F	T	f
F	1	F	Ĩ	/ -	f	F	au
F	F	T	ſ -	7	Î	T	f
F	F	F	ſ-	r	T	7	T
		•		Left	side &	/ ·	, î
		-				Right s	ide
equivalence.							