## Assignment 1.1

CSE 103

Discrete Mathematics

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Problem: - 36

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(a) Truth table for (pvq) vr

I management of the same of th				,
.br(b	99 (	P	(pva)	(pvq)vr
F	F	F	F	F
F	F	T	F	T
F	+	F	+	T
F	Т	1	T	T
Т	F	F	7	Т
T	F	Т	T	T
T	十二	F	T	T
T	T	+	T	T

(b) Truth Table for (pra) 18

		1	A contract of the contract of	PARTITION OF REAL PROPERTY.
PM	19	(prof)	(pva)	(pva)10
۴	F	F	F	F
F	F	T	F	F
F	T	F	T	F
F	T	T	T	TT
T	4F	F	+	FT
T	F	T	STI I	T
丁	T	F	十	F
T	T	+	1	T

## @ Truth Table for (p/q) vr.

p	9	ro	( 6/2)	(p/a) Vr
F	F	F	F	FL
F	F	T	F	T
F	T	F	F	F
F	T	T	F	++
T	F	F	F	F
T	F	Т	F	T
T	T	F	T	T
Т	T	T	T	T

## 1 Truth Table for (p/q)/r

p	9,	100	(p1q)	(p1q)1r
F	fi F	F	F	F
F	F	T	F	+=
F	Т	F	F	F
F	T	T	F	F
T	F	F	E	F
Т	F	T	F	F
T	Т	F	7	F
T	T	7	T	一

@ Truth Table for (Pvq)^70

AND THE PARTY AN					A STATE OF THE PARTY OF THE PARTY OF
p	9	r	ماړ	(PV9)	(pvq)^m
F	F	F	T	F	F
F	F	+	F	F	F
F	T	F	Т	+	+
F	T	T	F	T	F
T	F	F	T	Т	T
T	F	T	F	+	F
Т	T	F	T	T	+
T	T	T	F	T	F
			i		

(f) Truth Table for (pag)vir.

A CONTRACTOR OF THE PARTY OF TH	galance and an arrange and a second				
P	9	r	77	(p1q)	(p^q)v"r
F	F	F	T	F	一一
F	F	T	F	F	F
F	T	F	T	F	T
F	T	T	F	F	F
+	F	F	T	F	T
T	F	T	F	F	F
T	T	F	T	T	T
T	T	T	F	T	T