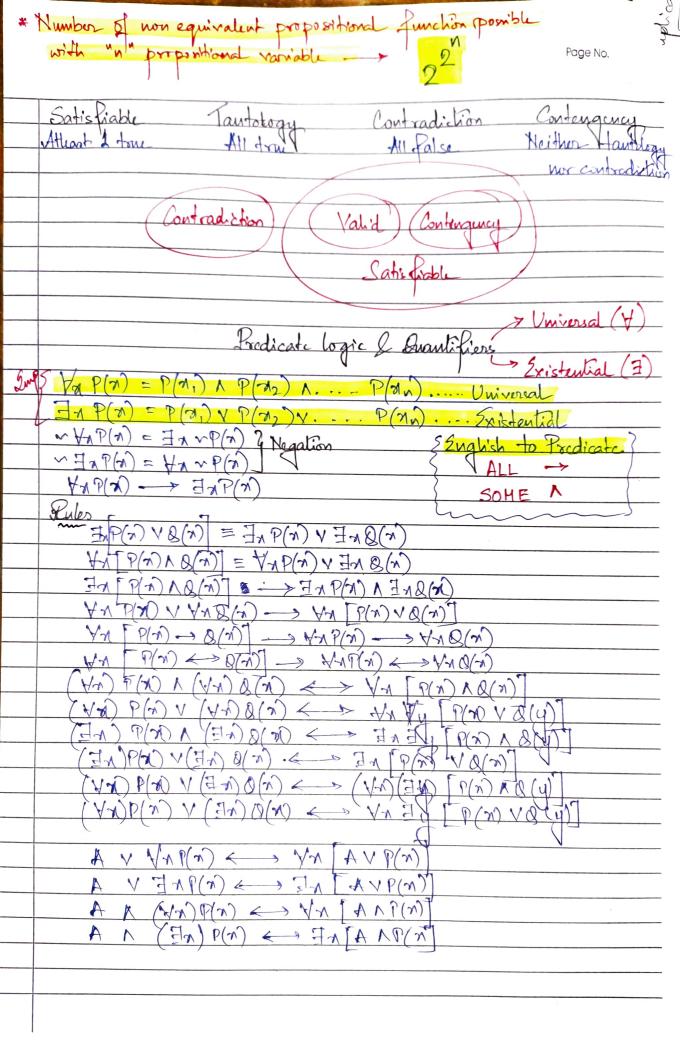
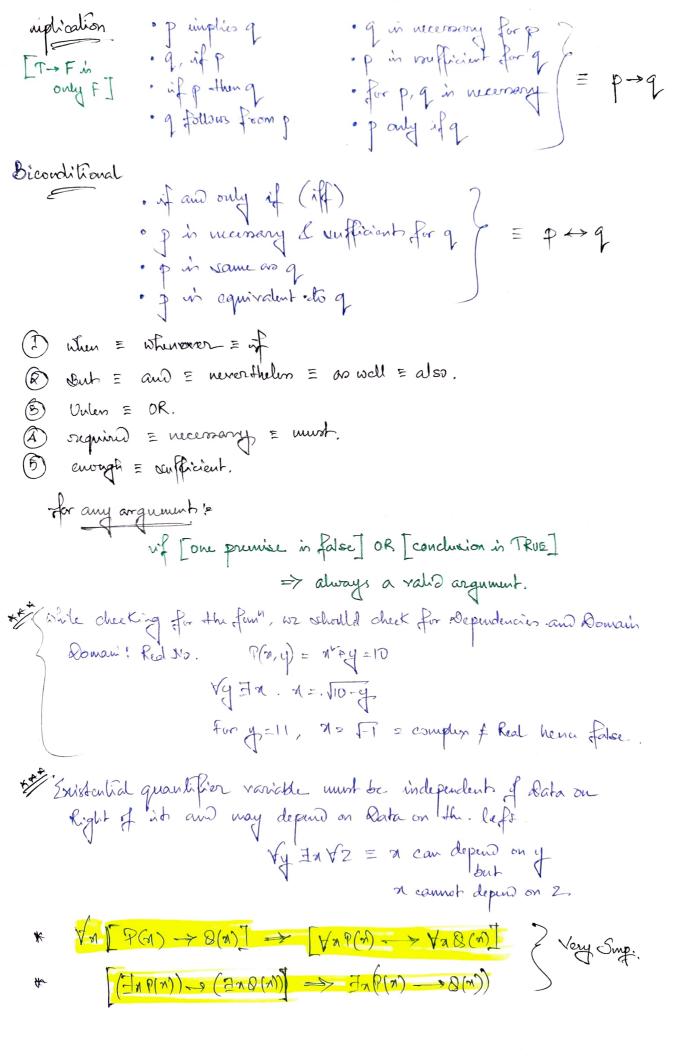
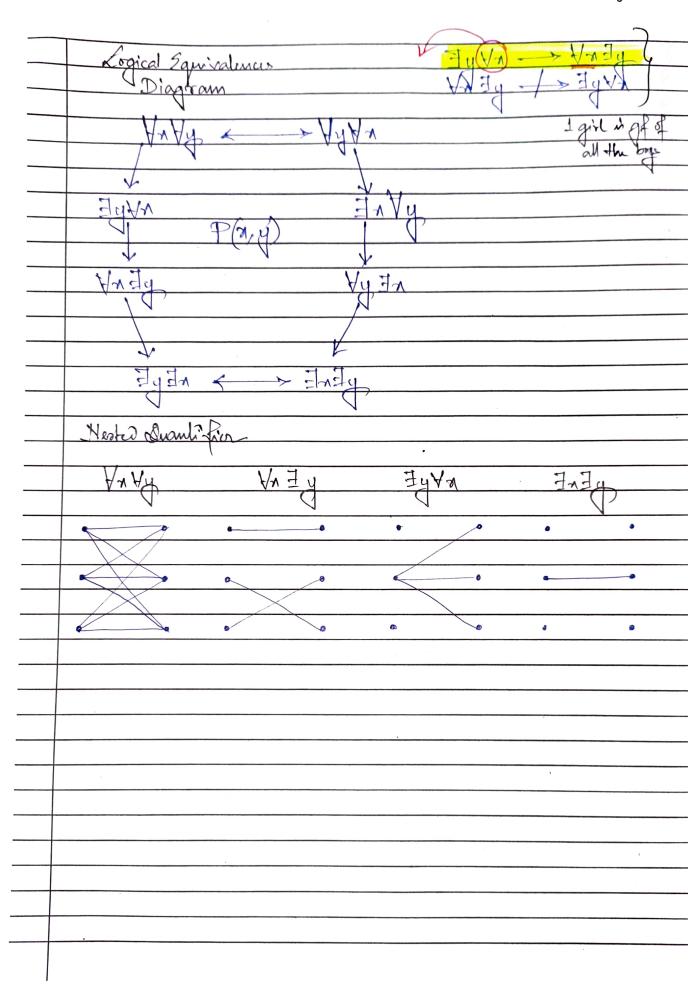
Mathematical Page No. logic Connections converse! 1->P conjunction 7 ~ negation ogical Equivalences PVP=P PAREGAP Commutative Precedence of operators 12 7 DATA Do Horganis Drewises as TRUE. Chec In ference rule D-98





* Demorganis law:
(PAg) = P'Vg' PYg = P PAg = F
(PVq) = p'Aq' * change A with V and via-veron.
* Both Commutative & Amorialire! * Commutative but not Amorialire !
AND, OR, XOR, \leftrightarrow NAND 1 and NOR 1
* Noither commutative nor Aprociative !>
\rightarrow
* Fuctionally complete set!
turband San Discours
Smallest minimal [1], [1] Should be FC Smallest minimal [1], [1] No subset in FC (proper)
* Principal Disjunction Normal Form: * Principal Confunction Normal form:
Canonical Sum of products Comonical product of sum.
* SOP and POS are not unique but canonical POS/SOP are unique.
* No of distinct. PCHF/PDHF/ Bookan Functions/ Truth taken for Sookan f
* SOP and POS are not unique but canonical POS/SOP are unique. * No of distinct. PCHF/PDHF/Boolean Functions/ Truth taken for Soolean f of n variables = 22n
for given arrignment of variables, no of minterms = 0 = no of maxterms = . = only on.
= Only on.
$\int_{-\infty}^{\infty} (q \Rightarrow r) = p' + q' + r = q' + p' + r = q \Rightarrow (p \Rightarrow r) = (p \land q) \Rightarrow r$
* Yn (P(n) N Q(n)) -> Yn P(n) N Yn P(n) - TRUE) Obly One szy
* YN (P(N) V YN &(N) - TRUE) CHU SHE



	and the And And Park
	Translatione ? I V has highest Preudena.
-	
_	For all, every any - may countroll if use with ""
	A -> for all every any -> may our troobs if use with "
	No Hardworking person is pour = Not (a hardworking person is pour)
P	Exactly One is
	COLL III 'COL'
	and actually means of
*	2xacty Ow is
	· I x A(n) (Shortcut)
	In (A(m) N by (A(xx) -> y=n)) [In A(n) N by ((x \neq y) -> ~Aly)))
	Exactly Ow is - I! x A(n) (Shortcut) In (A(n) x by (A(y) -> y=n)) If [A(n) x by (x + y) -> ~Alys)]
*	ALL LOS TITE (ACOAN CO)
	Atleast 2: [Fr. Fy (A(n) A A(y) A 7 x xy)]
×-	Smartly 2: 77 (A/X) 1 =y (A/y) 1 x +y) 1 +2 (A/Z) => x=Z y=Z)
	- (OR)
	Smartly 2: $\exists_{\pi} (A(\pi) \land \exists_{y} (A(y) \land \pi \neq y) \land \forall_{z} (A(z) \Rightarrow \pi = z \lor y = z)$ $\exists_{\pi} ((A(\pi) \land A(y) \land \pi \neq y) \land \forall_{z} (\pi \neq z \Leftrightarrow \pi \neq y \Rightarrow \sim A(z))$
•	II don a la company de la comp
*	Almost 212 Yn Yy Yz (AM) A Aly) A A(2) -> M & y a y & 2 and 2)
	(60)
	Andy (n+y 1 42 (A(2) = Z=n or z=y) Olignificant
	O Proud
	attent 2
	object
- 1	<u> </u>
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