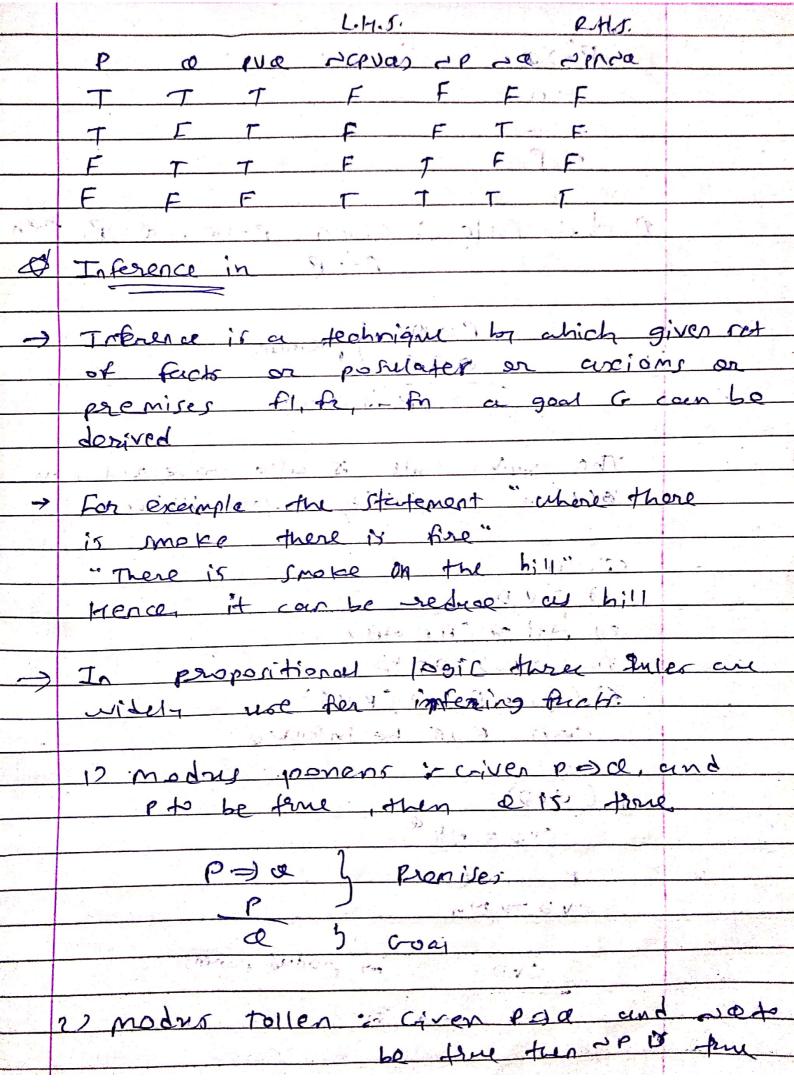
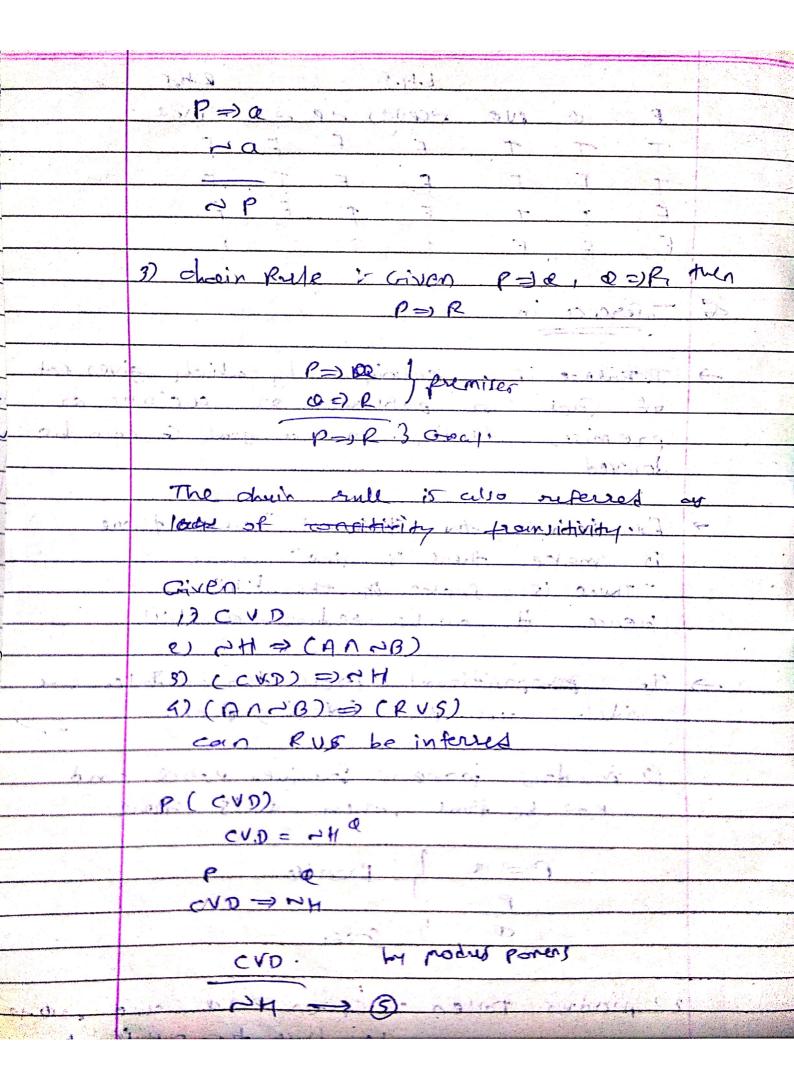
Laws of Propositional Cogic
1) Commutativity
PUO = OUP
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2) Associativity
CPUQIUR = PU(QUE)
(PNO) MP = PN COMB)
3) Distributing
CPVQ) NR = (PNP) V (BNR)
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alidentity and a second and a second
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32 Negertion
PVNP= True
PAPP = Follse
6) idempatence
PVP=P
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7) Abroration
Pricpval=Placació
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~ (PVa) = pence
~ CPNer= ppvace
9) Involution
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	Propositional logia
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	e) Variable
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7	3) Predicate
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	eg plus (2,3)=5
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1.5	This is a device the second

X	Generate Predicate 100ic for following
1)	Rain likes all kind of food
	The solution of the solution o
→	Yx food ox) => likes (pamix)
2)	Sita likes congthing that fam likes
C. Cd	and the secret labeled to
رجن	. It (likes cram, x) -> (ikes Crity x)
30	Reijo likes those, which siturend Run
مبدياني	both oliker words
(C) (21	or response
-	You (likes (situ, x) 1 likes (rum, x)) > like (Ray, x)
A WW-	and the second of the second o
40	Ali likes some of which from likes
-	
_>	3x (likes (pamino) A likes (office)
	T
4	Fuzzy Propositional logicina
<u>ئىلىن</u>	A fuzzy proposition is a statement
	which ciquire on 224 truth value thus,
710	P, T(P) represents fruth value offered
	to p.
71	12(0 C) 1)2/9 3/3
-	The fuzzy rembership value cusociated with
	First set & for " is treeted or
	firsty truth value 7 (F) = MA(20)
	More of MAGOU <
-)	There are four firzy correctives indicated
	in table below:

Data:
Consider P and Q es firzy proposition
with T(P) and T(Q) as their frugu
Name where figzy corrective table on
define following.
La June Million Company of the Compa
Symbol connective usage description
2 NP 22 10 - TIP)
R Negudon B
V Disjunction Évé man (TCP), TCE)
A Commission of the Commission
a conjuction proc min (tip), to)
25VE
=> Implication Para ((1-T(P), T(a))
A STATE OF THE STA
p mary is efficient; o(p) = 0,8
& : Rum is efficiently TOB) = . D. 65
and the state of the season of
12 mary is not efficient
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a bit to be a first the same of the same o
21-08201
A 1.8 Sin 213 ai l'exalter qui us 3250;
e) mary is efficient and so is Rum
$\hat{p} \wedge \hat{a} = T(\hat{p} \wedge \hat{a}) = \min(T(\hat{p}), T(\hat{a}))$
=min (0.3, 0.6.5)
20.65

