Assignment No > 2

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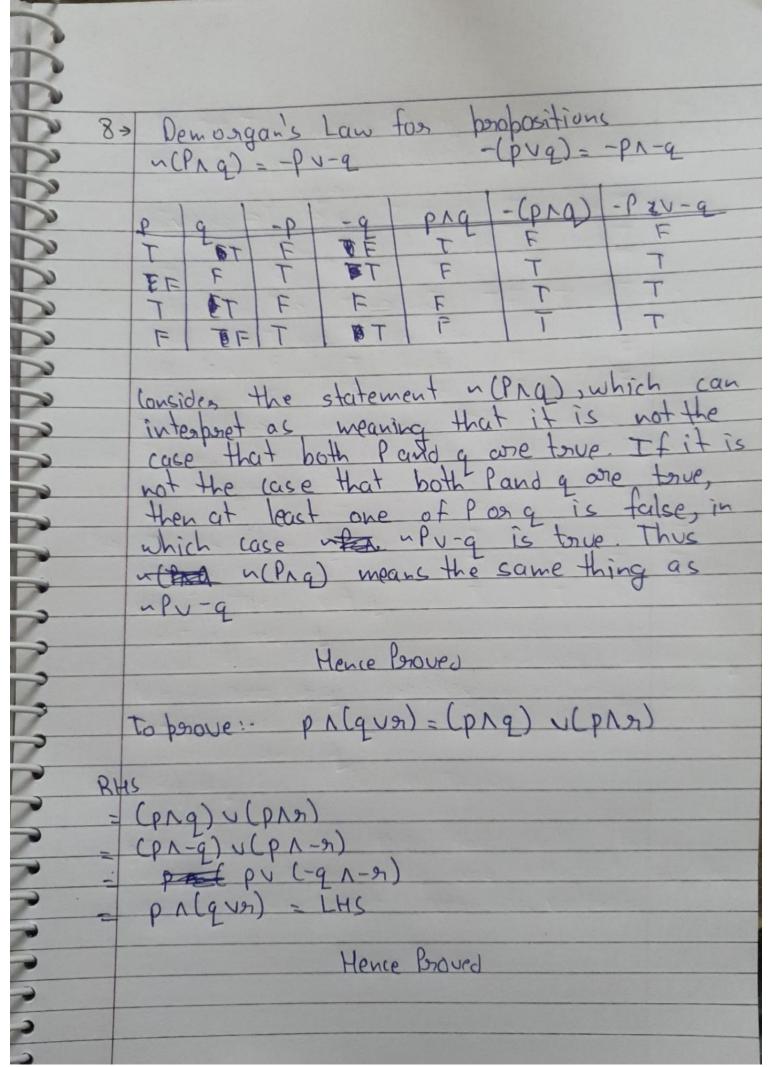
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	Assignment- II
1>	First premises > If I do all the exercises in this chapter, I will understant the material.
21 1	Second premises > If I understand the material. I will do on the exam.
47	Third premises - If I do well on the exam, I will pass
	Conclusion > I passa the exam
	The given statement is valid, as the validity of an argument arefers to its structure. In the given argument the conclusion must be true if the premises are true in the given case all the premises of the given statement is true.
2 > A	You do not drive 60 m·b·h & you will get a speeding ticket.
B)	You I can take the flight if and only if you do not buy a ticket.

n n						
3 > P	> 9 9 T T	9 + (p >) 2 T F		Pus (Pi	9) N (PI T	(1 <u>e</u> v
	T F T T F T F	TFT	TTTTT	T	TTFF	
4> 19	th Table:	PARPAG	FI	F 9 m P	Fugluf	*\u^-
F	F	F	T	FTT	T T T	F
	e the to same I) v-q
	is 90' (
There	fore, the	given o	rong una	t be co	mes	

-	P (academinated as a second as
1	P→q '- q
	Touth Table:
	P q p>q p (p>q) (pr(p>q)) >q
	TFFFT
	FTTFT
1.56	Since $(pn(b>q)) \rightarrow q = T$,
3	Therefore the given congunent is valid.
6>	Touth Table
	P 2 P > 2 P > 2 (p>q) (p>q) (p>q) po d(p>q) (p>q) (p>q
- 190	T F F T
9150	FTTFFT
	Since Last column has touth value T.
	Hence, [(b+q) N(q+p)] ([pt= q] is
	a tautology

-	
,	
7	P: It If snows today
3	P: It If snows today 10: 9: I will ski to mossow
20	9 -> P
D	lanverse > Pag: I will ski tomorrow
5	only if it snows today
2	Only it is shows
D	T
>	(ontrabositive > np -> npg: It I do not
)))	Contrapositive > np > np : If I do not skit tomanow then it will not
5	have snowed today
-	
>	ton 2001 to 1+
>>	Inverse > np > ng; It ill des
-	Inverse > np > nq: If it does not show today, then it will not ski
	tomorrow
	-0 · · · · · · · · · · · · · · · · · · ·



9> If b then q implies Pla not b and not a not b and a	
Not b and org implies not b and not a not b and q p89	
when the two core split into their individual cuses they core identical so the logical statement core equivalence.	,

10>	A proposition is a declarative sentence that is either true on false but not both. A statement is always universally true on universally false but not both.
	Touth Table P Q P Q T T F
	F T T
11>	p: Today is tresday q: Itis eakining 2: Itis cold
()	ng > (nnp)
	It is not naining then it is
	(pvs) => q
4	It is not the case that today is resolar only it is raining.