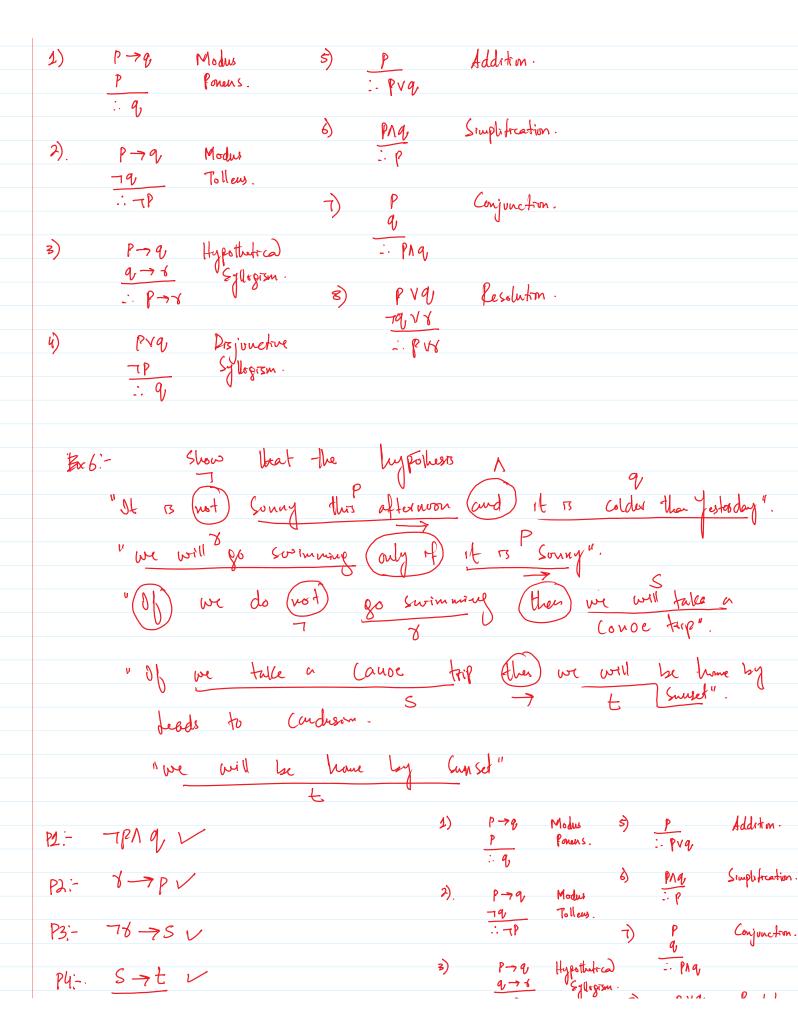
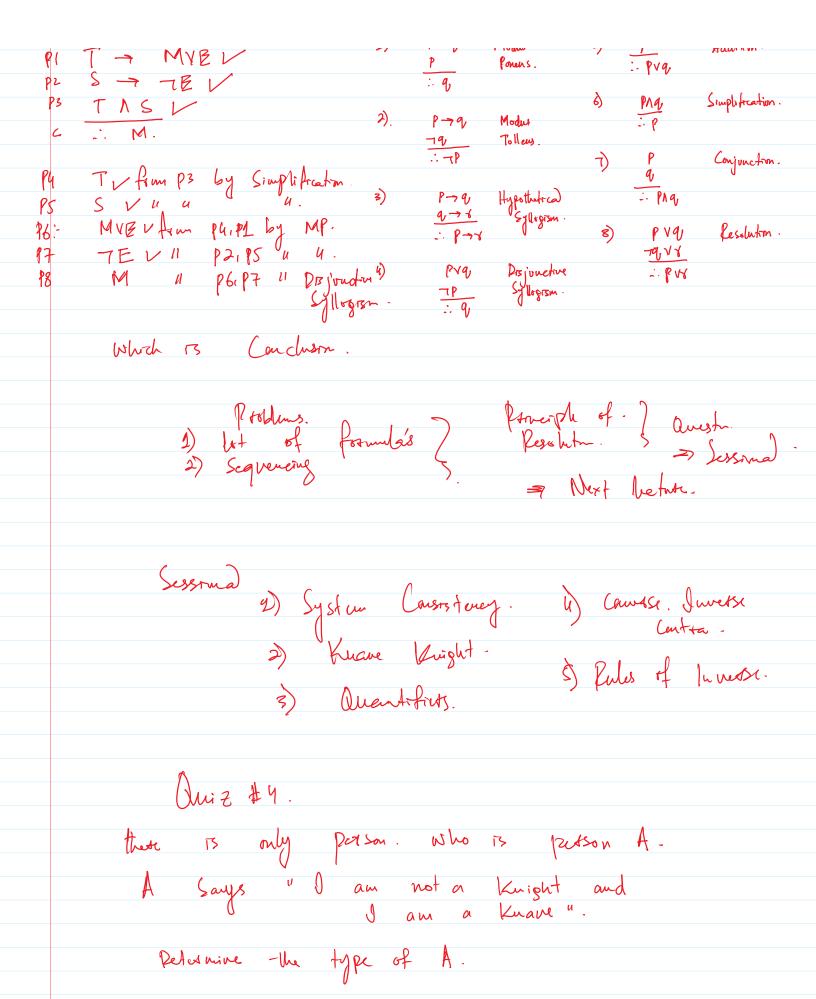
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lecture 7:
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∀x y (22 = y2) 2, y € ₹. Question 39: EX PS7 Yx = y (x = y =). = T 12 22 Ty the (2 /2 /2). 28. 22 2 22 ful es OP INPERENCE 2500 · Usb 16 2 villa Seience: ک ستراط ۱۵ لقراط ۱۵ و جور نیاع ـ Mota Physics: ھے علم کہا ہے " If you have a Curred password then
you can log into return " " You have a Current Password" i "You can login into the networks". Argument. Premises P2: P-79] Hypothesis P2:- P 5 Condusion. Valid Argoment: ((PINPZA...APN) -> C) - tautology. $((P \rightarrow Q) \wedge (P)) \rightarrow Q$ P-9. (P-9) NP. ((P-9) NP) -9.



P4:- S-7t V C:t P5:- 7p V from P1 by P6:- 78 V from P2, p5 P7:- S V from P6: P P8 t U P7: P	Simpli by M 3 by Ph 11	fication. TT MP. U	$\begin{array}{c} P \rightarrow Q \\ Q \rightarrow S \\ \vdots P \rightarrow S \end{array}$ $\begin{array}{c} P \rightarrow Q \\ P \rightarrow $	Disju	gism .	PV9 Resolution -19 VY -19 VY
PK7:- P63	1)	P → q P ∴ q	Modus Ponens.	ड)	P :- Pvq	Addition.
P2:- P → 9 V	2).	P-79	Modus Tolleus.	8	PN9 : P	Simplification.
P3:- 7-75 V	->	<u>¬q</u> ∴ ¬p		7)	P 9	Conjunction.
c : 79, 75.	3)	P-7 9 9-> 4 -: P-> 8	Hypothetra	8)	- Pra	lesolutim.
P4= 79, -7 7p. V from p2. by Contra positi	4)	PVQ	Disjonetre		- PV8	•
PS: 79 782 from P2, P4						
Pb 79 -S. trm PSI	P3 by	Hs.				
Which is	Cm	dusim.				
EK 8:- p.63.						
PI T - MYEL PZ S - TEL	:	1)	Modus Ponens.	\$)	P :- Pvq	Addition.
PZ S -7 TEV		: 9		Y	-	7



Let P2 A rs a Knight.
der ()