lecture #7: Rules of Inference. "If (you have a Constant password) then
(you can log onto the network)" " (you have the passwood)". Therefore " you can log outo the vetwork". 2 Modus priens Argument 292: P

Conclusion. fremin 1 -> P1 franse 2 -> P2 (P21 P21 1Pn) -79, Premisen -> Ph fantology. : Condusm -> 9 Valid. $((f \rightarrow q) \wedge (p)) \rightarrow q$ (P1: P -> 0) 492: P

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492: P ((P M(P->2)) -> 2) Tantology. P1 -> P PA - P-79 رم : و_ر Robes of Inference. 1) P Modus Parens. 5) P Addition. 2) -79 Modus follows.

P-99.

TP:

7) i. TP.

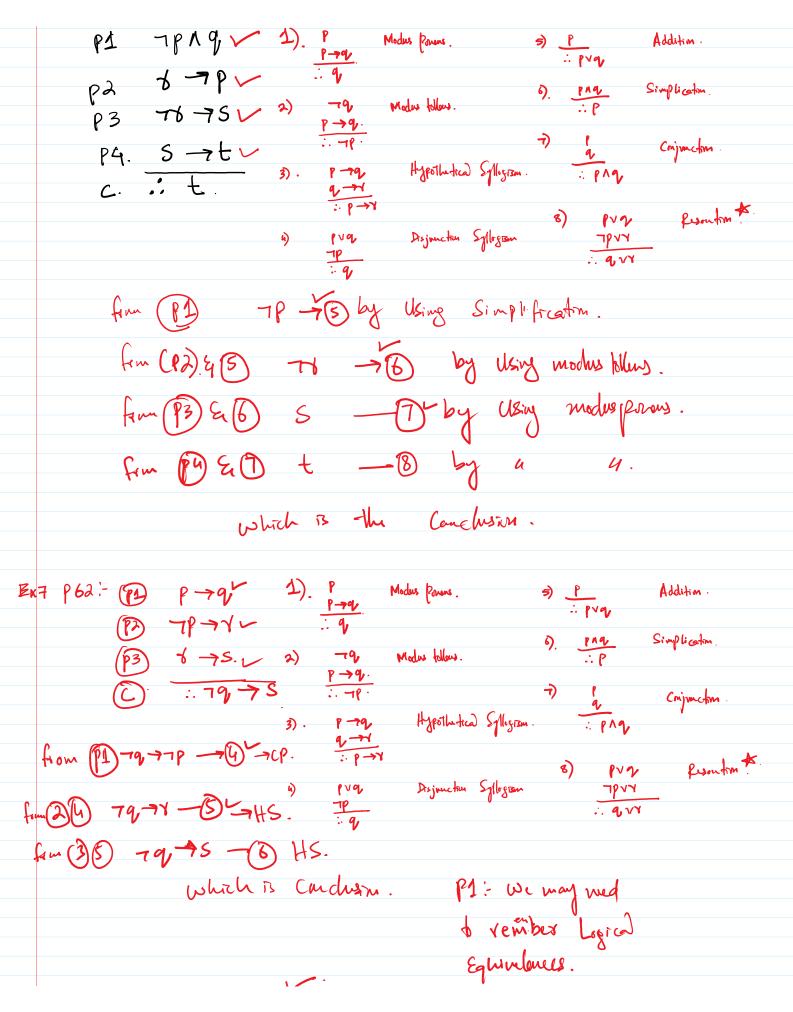
i. P.

g Conjunction.

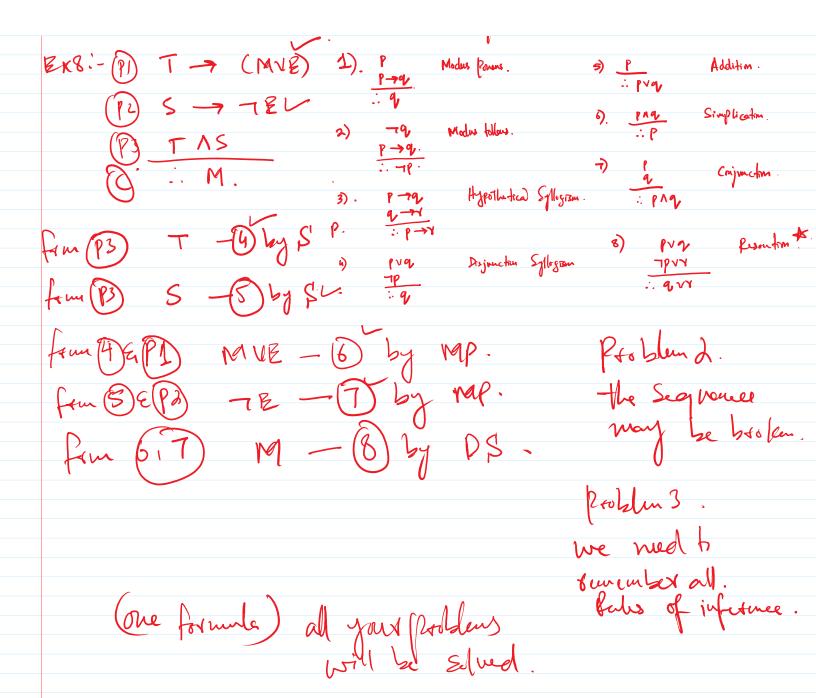
g -> Conjunction.

g -> Conjunction.

g -> Conjunction. 4) PV9 Resoution & PV9 Resoution & TPVY ... 9 VY Ex6: P62: 1 St is not Suny this afternoon and Vit is colder than yesterday. We will go Swimming. only if it is Sumy. If we do not go-78.
Swimming then we will take a Conse trip 5 home by Surset." leads to Conclusion. "we will be him by Sun Set".



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EX Hy Q(xiy).

