Lecture 2	
	To do: Read 1-2, 1-3, Finish exercise in 1.2.
	Webwork orientation by Wed & finish the demo
	HWI, which is due on Friday night
	, ,
	AOAto
	Atulo AtolA Alo:
	First check the "mixed" hox. e.f pick an apple.
	De Morgan's Law: Destributive law: pr(qvr)=(prq)v(prr) ¬(prq) = ¬pv ¬q pv(qrr)=(pvq)r(pvr)
	TLPAQ) = TPV7Q pv(qar) = (pvq) n(pvr)
	Commicaçõe lau: Absorption lau: pucpiq) = p
	pro= gyp Pr(pro) = P
	Associative law:
	pryar) = prar
	PU (QUT) = PUQUT
	The first De Morgan law = 7 (prq) = 2pv7q
	P 9 71PA9) 7PV79
	P T T P T T P
	Simplification:
	ef. 7(7pvQ)AP
"=" 25	is early to (pn 7Q) nP Second De Morgan's law
inappropriate	
Lere	· · · · PAla

Tantology: A formula that is always true.
2.e. pv7D
Contradiction: A formula that is always False.
Ze. PA 7P
Neither: A formula that is neither a tankology or a contradict
e.f. Are these Tantology, Contriduction, or neither: P Neither Re Neither
Neither
Ce Neither
PVQV7P Tantology
PAT(QV7Q) Contradiction
PV-(QV-1Q) Nexther
Tangology lang:
PA (tant) is equivelent, to
Tankslogy laws: PA(tank) is equivlent to P PV(tank) tank
Contradiction laws:
Pr (cont) is equivlent to P Pr (cont) cont
[A Wort]
i.e. Puquap
25 equir es (PV7P) Ua
(tant) VQ
tant
PA 7 (QV7Q)
?s equiv to PA7 (tant)
PA (worder)
countr.
pv~cavaa)
is equir to PV 7 (tant)
(? V (Contr)
p

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