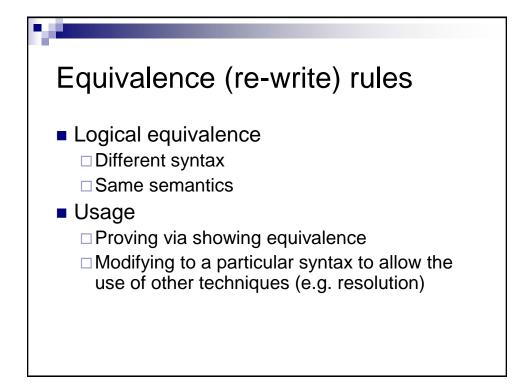
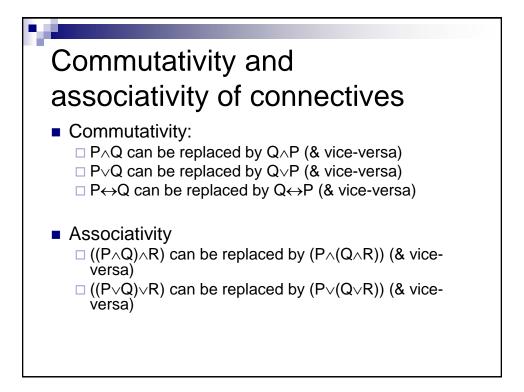


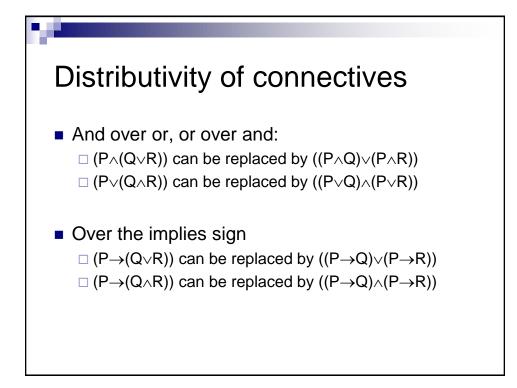
Pr	ΟV	'n	g by	y tru	ıth t	able	

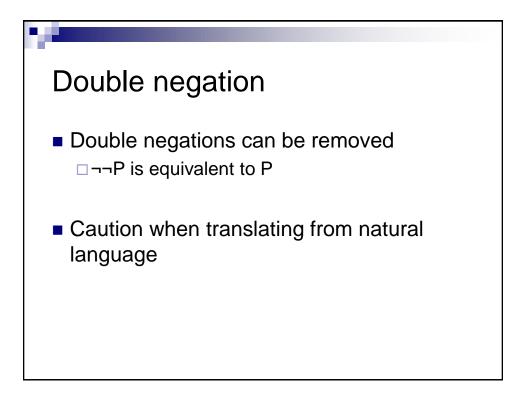
Pi	rov	ving	g by	by truth table				
X	Y	Z	Y∧Z	Х→Ү	$X \rightarrow Z$	$X \rightarrow (Y \land Z)$	$((X \rightarrow Y) \land (X \rightarrow Z))$	S

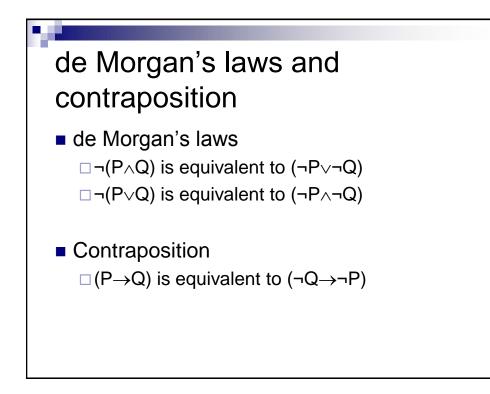
Ρ	rov	vinę	g by	y tru	uth t	able		
Х	Y	Z	Y∧Z	Х→Ү	$X \rightarrow Z$	$X \to \!$	$((X{\rightarrow}Y){\wedge}(X{\rightarrow}Z))$	S
Т	Т	Т	Т	Т	Т	Т	Т	Т
Т	Т	F	F	Т	F	F	F	Т
Т	F	Т	F	F	Т	F	F	Т
Т	F	F	F	F	F	F	F	Т
F	Т	Т	Т	Т	Т	Т	Т	Т
F	Т	F	F	Т	Т	Т	Т	Т
F	F	Т	F	Т	Т	Т	Т	Т
F	F	F	F	Т	Т	Т	Т	Т
						·		

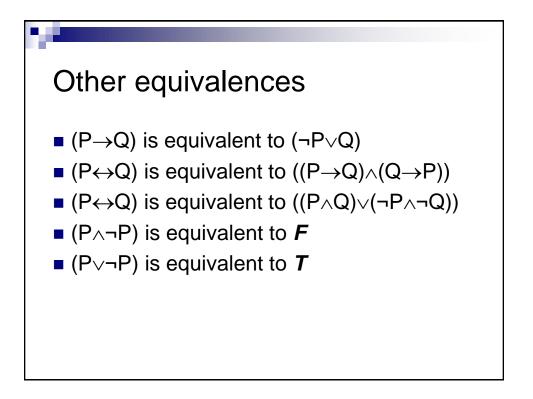


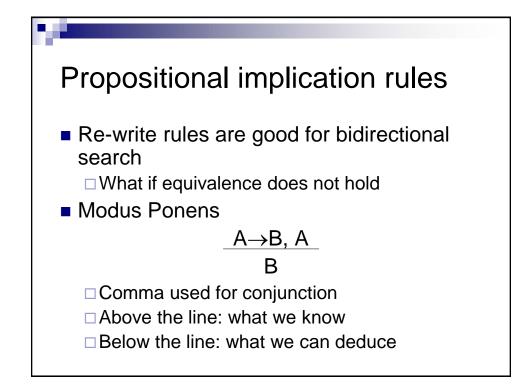












Prov	ing M	odus	Ponens	
A	В	A→B	α: A→B, A	β: Β
True	True	True	True	True
True	False	False	False	False
False	True	True	False	True
	False	True	False	True

