

# Truth-tables for Connectives

# Negations ( $\sim$ )

$\sim$	P
F	T
T	F

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# Conjunctions (&)

P	&	Q
T	T	T
T	F	F
F	F	T
F	F	F

—

# Disjunctions ( $\vee$ )

P	$\vee$	Q
T	T	T
T	T	F
F	T	T
F	F	F

—

# Conditionals ( $\supset$ )

P	$\supset$	Q
T	T	T
T	F	F
F	T	T
F	T	F

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# Biconditionals ( $\equiv$ )

P	$\equiv$	Q
T	T	T
T	F	F
F	F	T
F	T	F

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