

### Basic Symbols

$\neg$  or  $\sim$  : Negation (NOT)

$\wedge$  : Conjunction (AND)

$\vee$  : Disjunction (OR)

$\rightarrow$  : Conditional (IF...THEN)

$\leftrightarrow$  : Biconditional (IF AND ONLY IF)

$\top$  : Tautology (always true)

$\perp$  : Contradiction (always false)

### Truth Tables for Basic Operations

$p$	$\neg p$
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F	T
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T	F
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