D420: Discrete Math: Logic Cheat Sheet

by Watts (rwatts) via cheatography.com/19260/cs/41828/

Propositions and Truth Tables

Terms & Definitions

logic	the study of formal reasoning
proposition	a statement that is either true or false
truth value	a value indicating whether the proposition is actually true or false
truth table	the truth value of a proposition
compound proposition	connected propositions with logical operations
logical operation	combines propositions using a particular composition rule

Facts

A `question` is not a proposition. A `question` is neither true nor false.

A `command` is not a proposition. A command is neither true nor false.

A `statement` is a proposition. A `statement` is either true or false.

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