The Bright Side of Mathematics

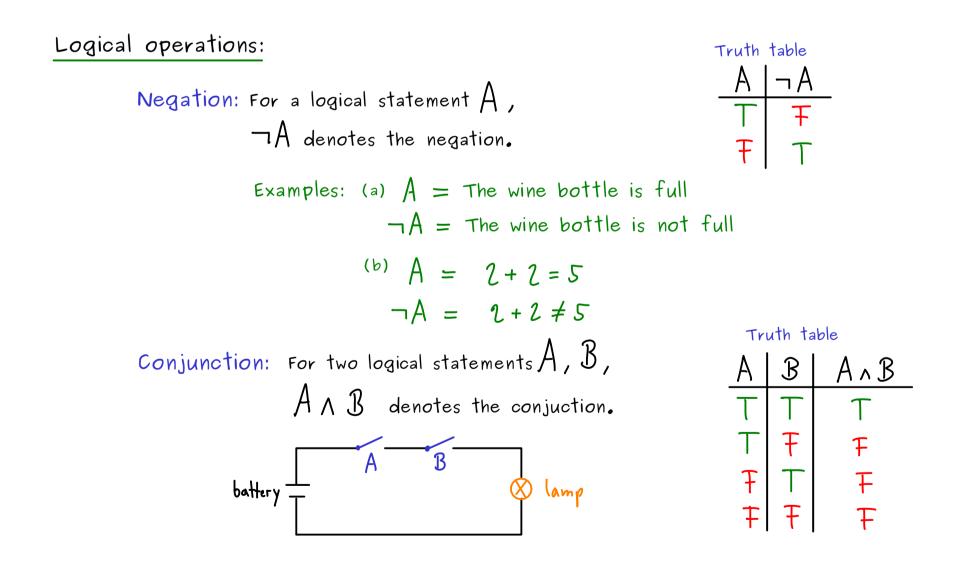
The following pages cover the whole Start Learning Logic course of the Bright Side of Mathematics. Please note that the creator lives from generous supporters and would be very happy about a donation. See more here: https://tbsom.de/support

Have fun learning mathematics!

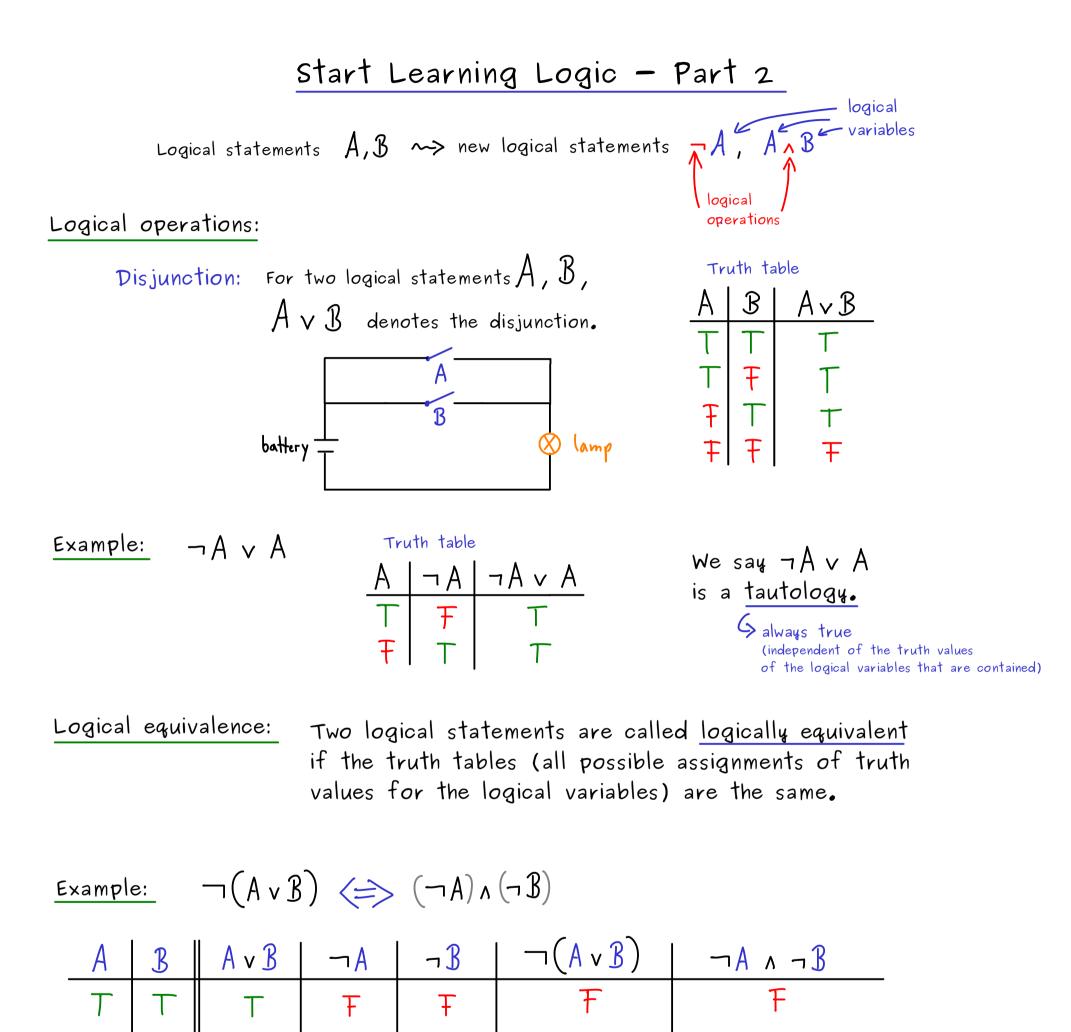
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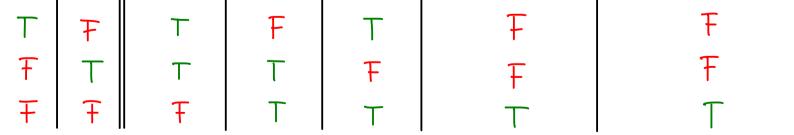
Start Learning Logic - Part 1

Logical statement (proposition): Statement that is either True or False



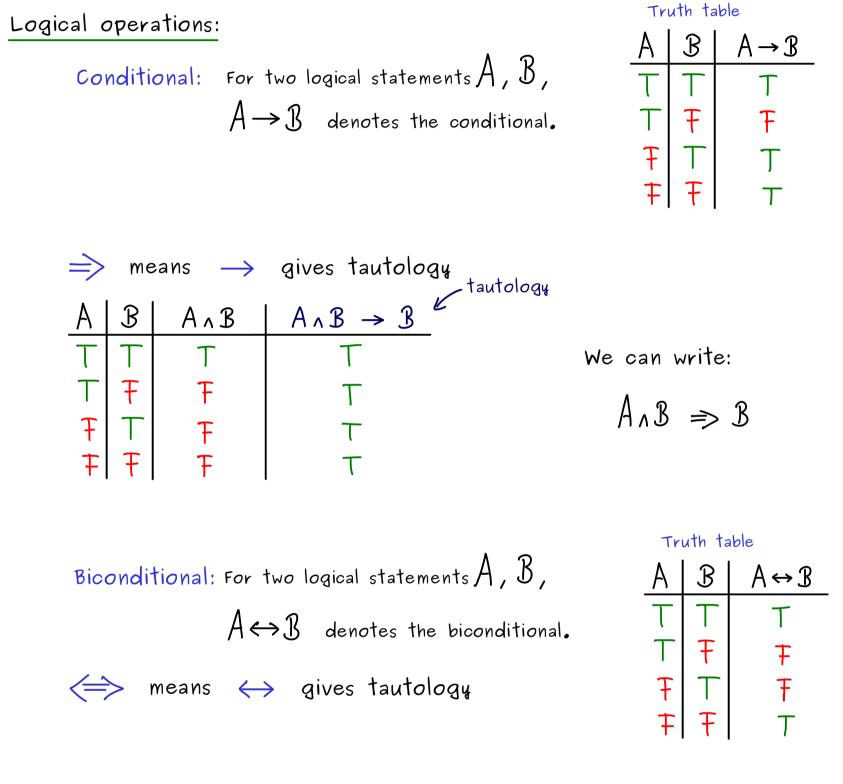








Start Learning Logic - Part 3



Example: (a) $A \iff B \iff (A \Rightarrow B) \land (B \Rightarrow A)$

(b) $A \rightarrow B$ $\iff \neg \beta \rightarrow \neg A$ (contraposition)

If there is fog, then If we don't have poor visibility, we have poor visibility there is no fog.

Deduction rules: (how to get new true propositions from other true propositions)

