

Worksheet C

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Questions and Exercises

1. We have the argument:
“Given the premises $A, A \rightarrow B, \neg B \rightarrow C$ it must be the case that C follows.”
Diagramme the argument (premises connection, to conclusion) and show with a truth table that the argument is valid or invalid but not both.
2. Show that the statement $\neg(A \wedge \neg B)$ is logically equivalent (or not) to $A \rightarrow B$ using truth tables.
3. Do truth tables for the Logic Rules to verify which are tautologies, which are contradictions, and which are neither. Memorise the Laws of Logic (we will have a quiz over these rules (straight memorisation) beginning Wednesday).