

Pop Quiz

Philosophy 3

1 Indirect Truth Tables

Determine whether the following arguments are valid or invalid by using the Indirect Truth Table Method.

1. $p \rightarrow q$
 $p \vee q$
 $\neg q$
 $\therefore \neg(p \rightarrow q)$

2. $p \rightarrow q$
 $q \rightarrow r$
 $\neg r$
 $\therefore \neg p$

2 Rules of Inference

Write arguments in English using the following rules of inference:

3. Modus Ponens
4. Disjunctive Syllogism
5. Modus Tollens

3 Equivalence

Write down two propositions in our formal language that are logically equivalent.