

Math 2283 - Introduction to Logic

Quiz #9 - 2012.09.14

Solutions

1. State the Law of Hypothetical Syllogism in symbolic form.

$$[(p \rightarrow q) \wedge (q \rightarrow r)] \rightarrow (p \rightarrow r)$$

2. State the Rule of Detachment in symbolic form.

$$[p \wedge (p \rightarrow q)] \rightarrow q$$