

# A proof of syllogism

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January 25, 2014

$$\frac{\frac{\frac{\alpha \rightarrow \beta \quad \alpha}{\beta} \quad \beta \rightarrow \gamma}{\gamma}}{\frac{(\alpha \rightarrow \beta) \rightarrow \alpha \rightarrow \gamma}{(\beta \rightarrow \gamma) \rightarrow (\alpha \rightarrow \beta) \rightarrow \alpha \rightarrow \gamma}}$$