Deducción natural

Reglas básicas

$$\frac{\Gamma \vdash \tau \quad \Gamma \vdash \sigma}{\Gamma \vdash \tau \land \sigma} \land_{i} \qquad \frac{\Gamma \vdash \tau \land \sigma}{\Gamma \vdash \tau \land \sigma} \land_{e_{1}} \qquad \frac{\Gamma \vdash \tau \land \sigma}{\Gamma \vdash \sigma} \land_{e_{2}} \\ \frac{\Gamma, \tau \vdash \sigma}{\Gamma \vdash \tau \Rightarrow \sigma} \Rightarrow_{i} \qquad \frac{\Gamma \vdash \tau \Rightarrow \sigma \quad \Gamma \vdash \tau}{\Gamma \vdash \tau \Rightarrow \sigma} \Rightarrow_{e} \\ \frac{\Gamma \vdash \tau}{\Gamma \vdash \tau \lor \sigma} \lor_{i_{1}} \qquad \frac{\Gamma \vdash \sigma}{\Gamma \vdash \tau \lor \sigma} \lor_{i_{2}} \qquad \frac{\Gamma \vdash \tau \lor \sigma \quad \Gamma, \tau \vdash \rho \quad \Gamma, \sigma \vdash \rho}{\Gamma \vdash \rho} \lor_{e} \\ \frac{\Gamma, \tau \vdash \bot}{\Gamma \vdash \neg \tau} \lnot_{e} \\ \text{Lógica intuicionista} \qquad \frac{\Gamma \vdash \tau \lnot \tau}{\Gamma \vdash \tau} \lnot_{e} \\ \frac{\Gamma \vdash \tau \lnot \tau}{\Gamma \vdash \tau} \lnot_{e} \\ \frac{\Gamma \vdash \tau \lnot \tau}{\Gamma \vdash \tau} \lnot_{e}$$

Deducción natural

Reglas derivadas

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