

Proof Examples: Using `mathmartir.sty`

15317 Constructive Logic

January 17, 2020

Two examples in natural deduction:

$$\frac{\overline{A \text{ true}}^u}{A \supset A \text{ true}} \supset I^u$$

$$\frac{\frac{\overline{A \wedge B \text{ true}}^u}{B \text{ true}} \wedge E_2 \quad \frac{\overline{A \wedge B \text{ true}}^u}{A \text{ true}} \wedge E_1}{\frac{B \wedge A \text{ true}}{A \wedge B \supset B \wedge A \text{ true}} \wedge I} \supset I^u$$