

## Example Inference Rules

$$\frac{}{H, P \vdash P} \text{ HYP}$$

$$\frac{}{\perp \vdash P} \text{ FALSE\_L}$$

$$\frac{}{P \vdash \top} \text{ TRUE\_R}$$

$$\frac{H(F), E = F \vdash P(F)}{H(E), E = F \vdash P(E)} \text{ EQ\_LR}$$

$$\frac{}{P \vdash E = E} \text{ EQ}$$

$$\frac{H(E), E = F \vdash P(E)}{H(F), E = F \vdash P(F)} \text{ EQ\_RL}$$