

## Example Inference Rules

$$\frac{H, P, Q \vdash R}{H, P, P \Rightarrow Q \vdash R} \quad \text{IMP\_L}$$

$$\frac{H, P \vdash Q}{H \vdash P \Rightarrow Q} \quad \text{IMP\_R}$$

$$\frac{H, \neg Q \vdash P}{H, \neg P \vdash Q} \quad \text{NOT\_L}$$