

Example Inference Rules

$$\frac{H, \neg P \vdash Q}{H \vdash P \vee Q} \text{ OR_R}$$

$$\frac{H, P, Q \vdash R}{H, P \wedge Q \vdash R} \text{ AND_L}$$

$$\frac{H \vdash P \quad H \vdash Q}{H \vdash P \wedge Q} \text{ AND_R}$$