Inference Rules

Eliminate
$$\land$$

$$A \land B$$

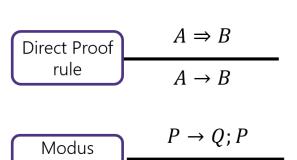
$$A \lor B, \neg A$$
Eliminate \lor

$$B$$

$$A; B$$

$$A \land B$$

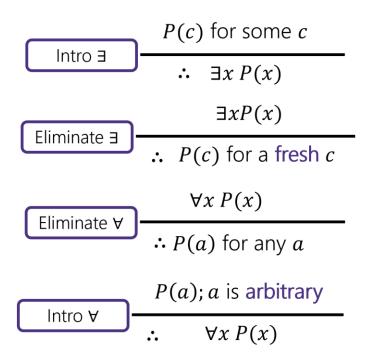
$$A \lor B$$



Q

You can still use all the propositional logic equivalences too!

Ponens



DeMorgan's (Quantifiers)
$$\neg(\forall x \ A) \equiv \exists x(\neg A)$$

 $\neg(\exists x A) \equiv \forall x(\neg A)$