

$$\neg \neg \varphi \quad \rightarrow \quad \varphi$$

$$\neg (\varphi_1 \wedge \varphi_2) \quad \rightarrow \quad \neg \varphi_1 \vee \neg \varphi_2$$

$$\neg (\varphi_1 \vee \varphi_2) \quad \rightarrow \quad \neg \varphi_1 \wedge \neg \varphi_2$$

$$\neg \forall v. \varphi \quad \rightarrow \quad \exists v. \neg \varphi$$

$$\neg \exists v. \varphi \quad \rightarrow \quad \forall v. \neg \varphi$$