

$$\varphi_1 \vee (\varphi_2 \wedge \varphi_3) \quad \rightarrow \quad (\varphi_1 \vee \varphi_2) \wedge (\varphi_1 \vee \varphi_n)$$

$$(\varphi_1 \wedge \varphi_2) \vee \varphi_3 \quad \rightarrow \quad (\varphi_1 \vee \varphi_3) \wedge (\varphi_2 \vee \varphi_3)$$

$$\varphi \vee (\varphi_1 \vee \dots \vee \varphi_n) \quad \rightarrow \quad (\varphi \vee \varphi_1 \vee \dots \vee \varphi_n)$$

$$(\varphi_1 \vee \dots \vee \varphi_n) \vee \varphi \quad \rightarrow \quad (\varphi_1 \vee \dots \vee \varphi_n \vee \varphi)$$

$$\varphi \wedge (\varphi_1 \wedge \dots \wedge \varphi_n) \quad \rightarrow \quad (\varphi \wedge \varphi_1 \wedge \dots \wedge \varphi_n)$$

$$(\varphi_1 \wedge \dots \wedge \varphi_n) \wedge \varphi \quad \rightarrow \quad (\varphi_1 \wedge \dots \wedge \varphi_n \wedge \varphi)$$