

Reguły naturalnej dedukcji

$$\frac{}{\Gamma, \varphi \vdash \varphi} (\text{Ax})$$

$$\frac{\Gamma \vdash A \quad \Gamma \vdash B}{\Gamma \vdash A \wedge B} (\text{W}\wedge)$$

$$\frac{\Gamma \vdash A \wedge B}{\Gamma \vdash A} (\text{E}\wedge)$$

$$\frac{\Gamma \vdash A \wedge B}{\Gamma \vdash B} (\text{E}\wedge)$$

$$\frac{\Gamma, A \vdash B}{\Gamma \vdash A \rightarrow B} (\text{W}\rightarrow)$$

$$\frac{\Gamma \vdash A \quad \Gamma \vdash A \rightarrow B}{\Gamma \vdash B} (\text{E}\rightarrow)$$

$$\frac{\Gamma \vdash A}{\Gamma \vdash A \vee B} (\text{W}\vee)$$

$$\frac{\Gamma \vdash B}{\Gamma \vdash A \vee B} (\text{W}\vee)$$

$$\frac{\Gamma \vdash A \vee B \quad \Gamma, A \vdash C \quad \Gamma, B \vdash C}{\Gamma \vdash C} (\text{E}\vee)$$

$$\frac{\Gamma, A \vdash \perp}{\Gamma \vdash \neg A} (\text{W}\neg)$$

$$\frac{\Gamma \vdash \neg A \quad \Gamma \vdash A}{\Gamma \vdash \perp} (\text{E}\neg)$$

$$\frac{}{\Gamma \vdash \top} (\text{W}\top)$$

$$\frac{\Gamma \vdash \perp}{\Gamma \vdash A} (\text{E}\perp)$$

$$\frac{\Gamma, \neg A \vdash \perp}{\Gamma \vdash A} (\text{Cheat})$$