

## Regeln des Natürlichen Schließens

$$\frac{A \quad B}{A \wedge B} (\wedge I) \quad \frac{A \wedge B}{A} (\wedge E_1) \quad \frac{A \wedge B}{B} (\wedge E_2)$$

$$\frac{\begin{array}{c} [A] \\ \vdots \\ B \end{array}}{A \rightarrow B} (\rightarrow I) \quad \frac{A \rightarrow B \quad A}{B} (\rightarrow E)$$

$$\frac{A}{A \vee B} (\vee I_1) \quad \frac{B}{A \vee B} (\vee I_2) \quad \frac{A \vee B \quad \begin{array}{c} [A] \\ \vdots \\ C \end{array} \quad \begin{array}{c} [B] \\ \vdots \\ C \end{array}}{C} (\vee E)$$

$$\frac{\begin{array}{c} [A] \\ \vdots \\ \perp \end{array}}{\neg A} (\neg I) \quad \frac{\neg A \quad A}{\perp} (\neg E)$$

$$\frac{\begin{array}{c} [\neg A] \\ \vdots \\ \perp \end{array}}{A} (\perp)$$