

$$\overline{A \vdash A} \text{ hyp} \quad \frac{\Gamma_1 \vdash A \quad \Gamma_2 \vdash B}{\Gamma_1, \Gamma_2 \vdash A \otimes B} \otimes I \quad \frac{\Gamma_1 \vdash A \otimes B \quad \Gamma_2, A, B \vdash C}{\Gamma_1, \Gamma_2 \vdash C} \otimes E$$

$$\frac{\Gamma, A \vdash B}{\Gamma \vdash A \multimap B} \multimap I \quad \frac{\Gamma_1 \vdash A \multimap B \quad \Gamma_2 \vdash A}{\Gamma_1, \Gamma_2 \vdash B} \multimap E$$

$$\overline{\cdot \vdash \mathbf{1}} \mathbf{1}I \quad \frac{\Gamma_1 \vdash \mathbf{1} \quad \Gamma_2 \vdash C}{\Gamma_1, \Gamma_2 \vdash C} \mathbf{1}E$$

$$\frac{\Gamma \vdash A \quad \Gamma \vdash B}{\Gamma \vdash A \& B} \&I \quad \frac{\Gamma \vdash A \& B}{\Gamma \vdash A} \&E_1 \quad \frac{\Gamma \vdash A \& B}{\Gamma \vdash B} \&E_2$$

$$\frac{\Gamma \vdash A}{\Gamma \vdash A \oplus B} \oplus I_1 \quad \frac{\Gamma \vdash B}{\Gamma \vdash A \oplus B} \oplus I_2 \quad \frac{\Gamma_1 \vdash A \oplus B \quad \Gamma_2, A \vdash C \quad \Gamma_2, B \vdash C}{\Gamma_1, \Gamma_2 \vdash C} \oplus E$$

$$\overline{\Gamma \vdash \top} \top I \quad \frac{\Gamma_1 \vdash \mathbf{0}}{\Gamma_1, \Gamma_2 \vdash C} \mathbf{0}E$$