

$$A, B, C ::= A \triangleright B \mid A \multimap B \mid B \multimap A$$

$$\Gamma ::= \emptyset \mid A \mid \Gamma_1, \Gamma_2$$

$$\frac{}{A \vdash A} \quad \frac{\Gamma_1, A, B, \Gamma_2 \vdash C}{\Gamma_1, A \triangleright B, \Gamma_2 \vdash C} \quad \frac{\Gamma_1 \vdash A \quad \Gamma_2 \vdash B}{\Gamma_1, \Gamma_2 \vdash A \triangleright B} \quad \frac{\Gamma_2 \vdash A \quad \Gamma_1, A, \Gamma_3 \vdash B}{\Gamma_1, \Gamma_2, \Gamma_3 \vdash B}$$

$$\frac{\Gamma, A \vdash B}{\Gamma \vdash A \multimap B} \quad \frac{\Gamma_2 \vdash A \quad \Gamma_1, B, \Gamma_3 \vdash C}{\Gamma_1, A \multimap B, \Gamma_2, \Gamma_3 \vdash C} \quad \frac{A, \Gamma \vdash B}{\Gamma \vdash B \multimap A} \quad \frac{\Gamma_2 \vdash A \quad \Gamma_1, B, \Gamma_3 \vdash C}{\Gamma_1, \Gamma_2, B \multimap A, \Gamma_3 \vdash C}$$

$$\frac{\Gamma, A \vdash B}{\Gamma \vdash A \multimap B} \quad \frac{\Gamma, A \vdash B}{\Gamma \vdash A \multimap B}$$

$$\frac{\Gamma_1, A, B, \Gamma_2 \vdash C}{\Gamma_1, B, A, \Gamma_2 \vdash C}$$

$$\frac{\frac{\frac{\overline{A \vdash A} \quad \overline{B \vdash B}}{A, B \multimap A \vdash B}}{B \multimap A, A \vdash B}}{B \multimap A \vdash A \multimap B} \quad \frac{\frac{\frac{\overline{A \vdash A} \quad \overline{B \vdash B}}{A \multimap B, A \vdash B}}{A, A \multimap B \vdash B}}{A \multimap B \vdash B \multimap A}$$