$$\begin{array}{l} A,B,C ::= A \rhd B \mid A \rightharpoonup B \mid B \leftharpoonup A \\ \Gamma ::= \emptyset \mid A \mid \Gamma_1,\Gamma_2 \end{array}$$

$$\frac{\Gamma_{1}, A, B, \Gamma_{2} \vdash C}{\Gamma_{1}, A \rhd B, \Gamma_{2} \vdash C} \qquad \frac{\Gamma_{1} \vdash A \quad \Gamma_{2} \vdash B}{\Gamma_{1}, \Gamma_{2} \vdash A \rhd B} \qquad \frac{\Gamma_{2} \vdash A \quad \Gamma_{1}, A, \Gamma_{3} \vdash B}{\Gamma_{1}, \Gamma_{2}, \Gamma_{3} \vdash B}$$

$$\frac{\Gamma, A \vdash B}{\Gamma \vdash A \rightharpoonup B} \qquad \frac{\Gamma_{2} \vdash A \quad \Gamma_{1}, B, \Gamma_{3} \vdash C}{\Gamma_{1}, A \rightharpoonup B, \Gamma_{2}, \Gamma_{3} \vdash C} \qquad \frac{A, \Gamma \vdash B}{\Gamma \vdash B \rightharpoonup A} \qquad \frac{\Gamma_{2} \vdash A \quad \Gamma_{1}, B, \Gamma_{3} \vdash C}{\Gamma_{1}, \Gamma_{2}, B \rightharpoonup A, \Gamma_{3} \vdash C}$$

$$\frac{\Gamma, A \vdash B}{\Gamma \vdash A \rightharpoonup B} \qquad \frac{\Gamma, A \vdash B}{\Gamma \vdash A \multimap B}$$

$$\frac{\Gamma_{1}, A, B, \Gamma_{2} \vdash C}{\Gamma_{1}, B, A, \Gamma_{2} \vdash C}$$

$$\frac{\overline{A} \vdash A \qquad \overline{B} \vdash \overline{B}}{A, B \rightharpoonup A \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{B \rightharpoonup A, A \vdash B}$$

$$\frac{A \rightharpoonup B, A \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \rightharpoonup B, A \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \rightharpoonup B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \rightharpoonup B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \rightharpoonup B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \qquad \overline{B} \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \vdash B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash A \vdash B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \rightharpoonup B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B}$$

$$\frac{A \vdash B \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B}$$

$$\frac{A \vdash B \vdash B}{A \vdash B}$$

$$\frac{A \vdash B \vdash B}{A$$