

$$\begin{array}{c}
\text{(утнч)} \frac{A \vdash A}{A, (A \rightarrow B) \vdash A} \\
\text{(перест)} \frac{A, (A \rightarrow B) \vdash A}{(A \rightarrow B), A \vdash A} \\
\text{(mod pon)} \frac{(A \rightarrow B), A \vdash A}{(A \rightarrow B), A \vdash B} \\
\text{(утнч)} \frac{(A \rightarrow B), A \vdash B}{(A \rightarrow B), A, (B \rightarrow C) \vdash B} \\
\text{(перест)} \frac{(A \rightarrow B), A, (B \rightarrow C) \vdash B}{(A \rightarrow B), (B \rightarrow C), A \vdash B} \\
\text{(утнч)} \frac{A \rightarrow B \vdash A \rightarrow B}{(A \rightarrow B), A \vdash A \rightarrow B} \\
\text{(перест)} \frac{(A \rightarrow B), A \vdash A \rightarrow B}{(A \rightarrow B), (B \rightarrow C), A \vdash B} \\
\text{(mod pon)} \frac{(A \rightarrow B), (B \rightarrow C), A \vdash B}{(A \rightarrow B), (B \rightarrow C), A \vdash C} \\
\text{(утнч)} \frac{B \rightarrow C \vdash B \rightarrow C}{(B \rightarrow C), (A \rightarrow B) \vdash B \rightarrow C} \\
\text{(перест)} \frac{(B \rightarrow C), (A \rightarrow B) \vdash B \rightarrow C}{(A \rightarrow B), (B \rightarrow C), A \vdash B \rightarrow C} \\
\text{(mod pon)} \frac{(A \rightarrow B), (B \rightarrow C), A \vdash B \rightarrow C}{(A \rightarrow B), (B \rightarrow C), A \vdash C} \\
\text{(\(\rightarrow\) введ)} \frac{(A \rightarrow B), (B \rightarrow C), A \vdash C}{(A \rightarrow B), (B \rightarrow C) \vdash (A \rightarrow C)}
\end{array}$$

$$\begin{array}{c}
\text{(\(\wedge\) удал прав)} \frac{A \wedge B \vdash A \wedge B}{A \wedge B \vdash A} \\
\text{(\(\rightarrow\) введ)} \frac{A \wedge B \vdash A}{\vdash (A \wedge B) \rightarrow A}
\end{array}$$