

$$\begin{array}{ccc}
 a|b & \xrightarrow[\text{stet}]{\gamma} & \mathbb{R} \\
 \cup & & \\
 a|b & \xrightarrow[\gamma]{\text{diff}} & \mathbb{R}
 \end{array}
 \quad \xRightarrow{\text{MWS}} \quad \int_{\bar{x}}^{a|b} \bar{x}^{-\gamma} = \frac{b^{\gamma-a} - a^{\gamma-a}}{\gamma} = \frac{b^{\gamma-a} - a^{\gamma-a}}{\gamma}$$

$$\begin{array}{ccc}
 a|b & \xrightarrow[\text{stet}]{\gamma b - a - ()^{\gamma} b^{\gamma-a}} & \mathbb{R} \\
 \cup & & \\
 a|b & \xrightarrow[\gamma]{\text{diff}} & \mathbb{R}
 \end{array}$$

$$\begin{aligned}
 \int_{\bar{x}}^{a|b} \gamma b - a - ()^{\gamma} b^{\gamma-a} &= \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} \\
 &= \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} \\
 \xRightarrow{\text{ROL}} \int_{\bar{x}}^{a|b} 0 &= \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a} = \int_{\bar{x}}^{a|b} \gamma b - a - a^{\gamma} b^{\gamma-a}
 \end{aligned}$$

$$\begin{array}{ccc}
 a|b & \xrightarrow[\text{stet}]{\dot{\gamma}} & \mathbb{R} \\
 \cup & & \\
 a|b & \xrightarrow[\dot{\gamma}]{\text{diff}} & \mathbb{R}
 \end{array}
 \quad \Rightarrow \quad \bigvee_o^{a|b} \bar{x} \underbrace{\gamma^{b\gamma-a\gamma}} = \bar{x}' \underbrace{\gamma^{b\gamma-a\gamma}}$$

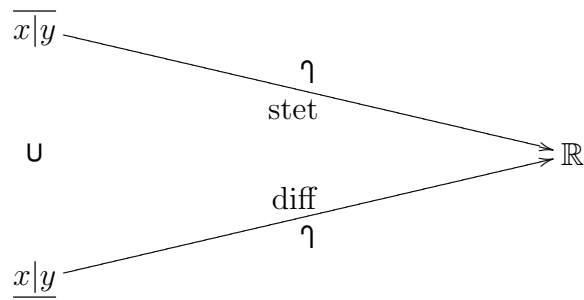
$$\begin{array}{ccc}
 a|b & \xrightarrow[\text{stet}]{\underbrace{\gamma^{b\gamma-a\gamma} - \gamma^{b\gamma-a\gamma}}} & \mathbb{R} \\
 \cup & & \\
 a|b & \xrightarrow[\uparrow]{\text{diff}} & \mathbb{R}
 \end{array}$$

$$\begin{aligned}
 \overbrace{\gamma^{b\gamma-a\gamma} - \gamma^{b\gamma-a\gamma}}^a &= \overbrace{\gamma^{b\gamma-a\gamma}}^a - \overbrace{\gamma^{b\gamma-a\gamma}}^a = \overbrace{\gamma^{b\gamma}}^a - \overbrace{\gamma^{a\gamma}}^a = \overbrace{\gamma^{b\gamma}}^a - \overbrace{\gamma^{a\gamma}}^a = \overbrace{\gamma^{b\gamma}}^b - \overbrace{\gamma^{a\gamma}}^b \\
 &= \overbrace{\gamma^{b\gamma-a\gamma} - \gamma^{b\gamma-a\gamma}}^b
 \end{aligned}$$

$$\Rightarrow_{\text{ROL}} \bigvee_o^{a|b} 0 = \frac{\overbrace{\gamma^{b\gamma-a\gamma} - \gamma^{b\gamma-a\gamma}}^{\bar{x}}}{\overbrace{\gamma^{b\gamma-a\gamma} - \gamma^{b\gamma-a\gamma}}^{\bar{x}'}} = \bar{x} \underbrace{\gamma^{b\gamma-a\gamma}} - \bar{x}' \underbrace{\gamma^{b\gamma-a\gamma}}$$

$$\mathbb{R} \supset I \xrightarrow[\text{diff}]{\gamma} \mathbb{R} \Rightarrow \bigwedge_{x,y}^I \overline{x\gamma - y\gamma} \leq \overline{x-y} \overline{x\gamma}$$

OE  $x \neq y$



$$\Rightarrow \bigvee_o^{x|y} x\gamma - y\gamma = \overline{x-y} \overline{x\gamma} \Rightarrow \overline{x\gamma - y\gamma} = \overline{x-y} \overline{x\gamma} \leq \overline{x-y} \overline{x\gamma}$$

$$\left\{ \begin{array}{l} \mathbb{R} \supset I \xrightarrow[\text{diff}]{\gamma} \mathbb{R} \\ \overline{z\gamma} \leq M \text{ bes} \end{array} \right. \Rightarrow \mathbb{R} \supset I \xrightarrow[\text{u-stet}]{\gamma} \mathbb{R}$$

$$a \overset{\circ}{|} b \xrightarrow[\text{stet diff}]{\gamma} \mathbb{R} \xrightarrow[\text{LIP}]{\Rightarrow} \bigvee_{M \geq 0} \bigwedge_{x,y} \overline{x\gamma - y\gamma} \leq \overline{x-y} M$$