

$$\begin{array}{ccc}
 \left(\begin{array}{c} \mathbb{H} \\ \triangleleft \\ \mathbb{K} \end{array} \right) \vDash \mathbb{H} & & \mathbb{H} \triangleleft \mathbb{K} \\
 \downarrow \text{)} & \swarrow & \swarrow \\
 \left(\begin{array}{c} \mathbb{H} \\ \triangleleft \\ \mathbb{H} \end{array} \right) \vDash \mathbb{K} & & \mathbb{H} \triangleleft \mathbb{K}
 \end{array}$$

$$\left(\begin{array}{c} \mathbb{H} \\ \triangleleft \\ \mathbb{H} \end{array} \right) \vDash \mathbb{K} = \left(\begin{array}{c} \mathbb{H} \\ \triangleleft \\ \mathbb{K} \end{array} \right) \vDash \mathbb{H}$$