

$$b = \top^i, (\top, \neg v) \Rightarrow \neg v$$

$$t_2 = \left[ \begin{array}{l} (\top, p_1 \vee p_2), (p_1, q_1) \\ (q_1, v), (p_2, q_2), (q_2, v) \end{array} \right] \Rightarrow_{s_1, s_2} \neg(\top, \neg v)$$

$$t_1 = \top^f, p_1^h, (\top, \neg q_1) \Rightarrow \neg(p_1, q_1)$$

$$s_1 = p_1^h, (p_1, q_1), (q_1, v) \Rightarrow v^o$$

$$s_2 = p_2^h, (p_2, q_2), (q_2, v) \Rightarrow v^o$$

$$a = \left[ \begin{array}{l} (\top, p_1 \vee p_2), (p_1, q_1) \\ (q_1, v), (p_2, q_2), (q_2, v) \end{array} \right] \Rightarrow_{s_1, s_2} v^o$$

$$t_3 = \left[ \begin{array}{l} (\top, p_1 \vee p_2), (p_1, q_1) \\ (q_1, v), (p_2, q_2), (\top, \neg v) \end{array} \right] \Rightarrow_{s_1, s_2} \neg(q_2, v)$$