

$$\begin{aligned} & (x)((R_x \& S_x) \supset \sim G_x) \\ & \exists x(G_x \& \sim R_x) \checkmark \\ & \sim(x)(S_x \supset R_x) \checkmark \\ & (\exists x) \sim(S_x \supset R_x) \checkmark \end{aligned}$$

$$G_a \& \sim R_a \checkmark$$

$$\sim(S_b \supset R_b) \checkmark$$

$$G_a$$

$$\sim R_a$$

$$S_b$$

$$\sim R_b$$

$$(R_a \& S_a) \supset \sim G_a \checkmark$$

$$(R_b \& S_b) \supset \sim G_b$$

$$\sim(R_a \& S_a) \checkmark$$

$$\sim G_a$$

X

$$\sim R_a$$

$$\sim S_a$$

$$\sim(R_b \& S_b) \checkmark$$

$$\sim G_b$$

$$\sim(R_b \& S_b)$$

$$\sim G_b$$

$$\sim R_b$$

$$\sim S_b$$

$$X$$

$$\sim R_b$$

$$\sim S_b$$

$$X$$

Invalid