$$\text{abduct}$$
$$\downarrow$$

$$\cfrac{\cfrac{R^*(s_0, s_1),\, R(s_1, s_2) \Rightarrow i_1 \leq_0 i_2 \qquad R^*(s_0, s_2),\, R^*(s_2, s) \Rightarrow i_2 \leq_0 i}{s_1 = s \Rightarrow i_1 \leq_0 i \qquad R^*(s_0, s_1),\, R(s_1, s_2),\, R^*(s_2, s) \Rightarrow i_1 \leq_0 i}}{\cfrac{R^*(s_0, s_1),\, R^*(s_1, s) \Rightarrow i_1 \leq_0 i}{R^*(s_0, s) \Rightarrow i_0 \leq_0 i} \; Trans} \; Trans$$