

from frame prop R^*-n & $R-\leq$

$$R^*(s_2, s) \Rightarrow n(i_1) = n_2(i_1), i_2 \leq_2 i_1 \qquad R(s_0, s_1), R(s_1, s_2) \Rightarrow n_2(i_1) = i_0$$

$$R(s_1, s_2), i_2 \leq_2 i_1 \Rightarrow i_2 \leq_1 i_1 \qquad \dots\dots\dots$$

from acyclicity

$$R(s_1, s_2) \Rightarrow i_2 = n_1(i_1)$$

$$i_1 <_1 i_1 \Rightarrow i_1 = \text{null} \qquad R(s_1, s_2), i_1 = \text{null} \Rightarrow \dots\dots\dots$$



$$R(s_0, s_1), R(s_1, s_2), R^*(s_2, s) \Rightarrow n(i_1) = i_0$$