Chapter 2.10

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- 1 This is the Herbrand problem I did in class.

    - The Herbrand universe for L is just $A = \{c, R\}$.
    - Possible Herbrand structure: $S = \{\{c\}, \{R^A(t_1) = R(t_1)\}, \{c^A = c\}\}$.
    - Given the set $S = \{R(c), \exists x \neg R(x)\}$ show that it has no Herbrand model. Well, since it only has one individual, there is only one individual to provide for the $\exists x \neg R(x)$. That would give us $S = \{R(c), \neg R(c)\}$, which obviously has no model.