## 7.8.x. Exercise questions

Use the system of derivations to find structures dividing premises from conclusions in the cases below. You will need to use the rule UG+.

- 1.  $\forall x \neg \forall y \neg Rxy / \forall x \neg Rxx$
- **2.**  $\forall x \neg \forall y Rxy / \neg \forall x Rxa$
- 3.  $\forall x \neg \forall y Rxy / \forall x \neg Rax$

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