

$$\begin{array}{c} G \\ \cdot \\ b \\ G \\ y \\ G \\ a \cdot x = b, y \cdot a = b. \end{array}$$

$$\begin{array}{c} Q \\ \cdot \\ Q \\ \cdot \\ Q \end{array}$$

$$a \cdot e = a = e \cdot a$$

$$\begin{array}{c} 1 \\ a \\ b \\ Q \\ y \\ Q \\ a \cdot x = b, y \cdot a = b. \end{array}$$

$$\begin{array}{c} (Q, \cdot) \\ Q \end{array}$$

$$\begin{array}{c} x \\ \cdot \\ Q \\ \cdot \\ Q \rightarrow \\ y \mapsto \\ y \cdot \\ \cdot \\ Q \\ \cdot \\ Q \rightarrow \\ y \mapsto \\ y \cdot \end{array}$$

$$\begin{array}{c} L \\ L_x^{-1} \\ R_x \\ R_x^{-1} \\ 1 \\ Q \\ x \\ Q \\ 1 \cdot x = x = x \cdot 1. \end{array}$$