



Diagram illustrating three sets of equations, each enclosed in an oval. The first oval on the left contains two equations. The second oval in the middle contains two equations. The third oval on the right is larger and contains six equations.

$$\begin{aligned}aa &= b \\ ab &= ba\end{aligned}$$

$$\begin{aligned}a &= bb \\ ab &= ba\end{aligned}$$

$$\begin{aligned}a &= b \\ ab &= bb \\ ab &= ba \\ aa &= bb \\ aa &= ba \\ aa &= ab\end{aligned}$$