



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

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

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

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