$$\frac{u = wv + r \vdash s \mid u \& s \mid v \to s \mid r}{u = wv + r \vdash (s \mid u \& s \mid v \to s \mid r) \& (s \mid v \& s \mid r \to s \mid u)} (\vdash \&)$$

$$\frac{u = wv + r \vdash (s \mid u \& s \mid v \to s \mid r) \& (s \mid v \& s \mid r \to s \mid u)}{u = wv + r \vdash \forall z ((z \mid u \& z \mid v \to z \mid r) \& (z \mid v \& z \mid r \to z \mid u))} (\vdash \forall)$$

$$\frac{\vdash u = wv + r \to \forall z ((z \mid u \& z \mid v \to z \mid r) \& (z \mid v \& z \mid r \to z \mid u))}{\vdash \forall x \forall y \forall p \forall q (x = py + q \to \forall z ((z \mid x \& z \mid y \to z \mid q) \& (z \mid y \& z \mid q \to z \mid x)))} (\vdash \forall)$$



