

$$E_U^{x:y} = \frac{\xi|\xi x^y}{\xi U = 0}$$

$$E_U^{x:y} \times g = \frac{\xi|\xi x^y g}{\xi \overbrace{a + x^y c}^{-1} U = 0} = E_{\overbrace{a + x^y c}^{-1} U}^{x^y g}$$

$$\xi = \xi \overbrace{a + x^y c}^{-1} \Rightarrow \xi = \xi \overbrace{a + x^y c}^{-1}$$

$$\xi|\xi x^y \frac{a}{c} \Big| \frac{b}{d} = \xi \overbrace{a + x^y c}^{-1} |\xi \overbrace{b + x^y d}^{-1} = \xi|\xi \overbrace{a + x^y c}^{-1} \overbrace{b + x^y d}^{-1} = \xi|\xi x^y g$$

$$E^U = \frac{\xi|\eta}{U\vartheta = 0 \curvearrowright \underbrace{\eta - \xi x^y \vartheta = 0}}$$

$$w = \overbrace{a + zc}^{-1} \overbrace{b + zd}^{-1} \Rightarrow -z = \overbrace{b - aw}^{-1} \overbrace{d - cw}^{-1}$$

$$b + zd = \overbrace{a + zc}^{-1} w = aw + zcw \Rightarrow z \overbrace{d - cw}^{-1} = aw - b$$

$$E_{x:y}^U \times g = \frac{\xi|\eta}{U \overbrace{d - c^{x^y} g}^{-1} \vartheta = 0 \curvearrowright \underbrace{\eta - \xi x^y g \vartheta = 0}} = E_{\overbrace{d - c^{x^y} g}^{-1} \vartheta}^{U \eta}$$

$$\vartheta = \overbrace{d - c^{x^y} g}^{-1} \vartheta$$

$$\xi|\eta \frac{a}{c} \Big| \frac{b}{d} = \xi a + \eta c |\xi b + \eta d$$

$$\begin{aligned} \Rightarrow \xi b + \eta d - \overbrace{\xi a + \eta c}^{-1} \overbrace{d - c^{x^y} g}^{-1} \vartheta &= \overbrace{\xi b - a^{x^y} g + \eta d - c^{x^y} g}^{-1} \overbrace{d - c^{x^y} g}^{-1} \vartheta \\ &= \overbrace{\xi b - a^{x^y} g}^{-1} \overbrace{d - c^{x^y} g}^{-1} + \eta \vartheta = \underbrace{\eta - \xi x^y \vartheta = 0} \end{aligned}$$