

$$\zeta \overline{\frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta}^n}_T \mathbf{1} = \overleftarrow{\frac{n}{\alpha + \zeta \gamma}} \overline{\frac{-1}{\alpha + \zeta \gamma}} \underline{\beta + \zeta \delta} \mathbf{1}$$

$$\zeta \overline{\frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta}^n}_T \mathbf{1} = {}^{1|\zeta} \overline{\frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta}^n}_T \tilde{\mathbf{1}} = {}^{1|\zeta} \mathfrak{x} \overline{\frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta}} \tilde{\mathbf{1}} = \alpha + \zeta \gamma | \beta + \zeta \delta \tilde{\mathbf{1}} = \overleftarrow{\frac{n}{\alpha + \zeta \delta}} \overline{\frac{-1}{\alpha + \zeta \gamma}} \underline{\beta + \zeta \delta} \mathbf{1}$$

$$\zeta \zeta \underline{g} = - \overline{\frac{-1}{\alpha + \zeta \gamma}} \zeta \gamma \overline{\frac{-1}{\alpha + \zeta \gamma}} \underline{\beta + \zeta \delta} + \overline{\frac{-1}{\alpha + \zeta \gamma}} \zeta \delta = \overline{\frac{-1}{\alpha + \zeta \gamma}} \zeta \underline{\delta - \gamma \overline{\frac{-1}{\alpha + \zeta \gamma}} \underline{\beta + \zeta \delta}}$$

$$\frac{\overset{*}{\alpha}}{\overset{*}{\beta}} \Big| \frac{\overset{*}{\gamma}}{\overset{*}{\delta}}^n {}_T G_{-\omega}^n = {}_T G_{-\omega}^n \frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta} \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}}$$

$$\begin{aligned} \zeta \overline{\frac{\overset{*}{\alpha}}{\overset{*}{\beta}} \Big| \frac{\overset{*}{\gamma}}{\overset{*}{\delta}}^n}_T G_{-\omega}^n &= \overleftarrow{\frac{n}{\overset{*}{\alpha} + \zeta \overset{*}{\beta}}} \overline{\frac{-1}{\overset{*}{\alpha} + \zeta \overset{*}{\beta}}} \overline{\overset{*}{\gamma} + \zeta \overset{*}{\delta}} \overline{\overset{*}{\omega}}_T G_{-\omega}^n = \overleftarrow{\frac{n}{\overset{*}{\alpha} + \zeta \overset{*}{\beta}}} \overleftarrow{\frac{n}{1 + \underbrace{\overset{*}{\alpha} + \zeta \overset{*}{\beta}}_{-1} \underbrace{\overset{*}{\gamma} + \zeta \overset{*}{\delta}}_{-1} \overset{*}{\omega}}} \\ &= \overleftarrow{\frac{n}{\overset{*}{\alpha} + \zeta \overset{*}{\beta} + \underbrace{\overset{*}{\gamma} + \zeta \overset{*}{\delta}}_{-1} \overset{*}{\omega}}} = \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega} + \zeta \underbrace{\overset{*}{\beta} + \delta \overset{*}{\omega}}_{-1}}} = \overleftarrow{\frac{n}{1 + \zeta \underbrace{\overset{*}{\beta} + \delta \overset{*}{\omega}}_{-1} \underbrace{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}_{-1}}} \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}} \\ &= \overleftarrow{\frac{n}{1 + \zeta \underbrace{\overset{*}{\alpha} + \omega \gamma}_{-1} \underbrace{\overset{*}{\beta} + \omega \delta}_{-1}}} \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}} = \zeta G_{-\overline{\frac{-1}{\alpha + \omega \gamma}} \underline{\beta + \omega \delta}}^n \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}} = \zeta G_{-\omega \frac{\alpha}{\gamma} \Big| \frac{\beta}{\delta}}^n \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}} \end{aligned}$$

$$\frac{\overset{*}{\alpha}}{0} \Big| \frac{\overset{*}{\gamma}}{\overset{*}{\delta}}^n {}_T G_{-\omega}^n = {}_T G_{-\omega \frac{\alpha}{\gamma} \Big| \frac{0}{\delta}}^n \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}} = {}_T G_{-\overline{\frac{-1}{\alpha + \omega \gamma}} \omega \delta}^n \overleftarrow{\frac{n}{\overset{*}{\alpha} + \overset{*}{\gamma} \overset{*}{\omega}}}$$

$${}^w \widetilde{F} = {}^{wz} \mathfrak{g} F \det \left(1 + \overline{\frac{-1}{a + z c w c}} \right)^n$$