

Simplify

$$\mathbb{E}[\eta_1 y] \cdot \mathbb{E}[\alpha_1 a] \cdot \mathbb{E}[\xi_1 x] \cdot \mathbb{E}[\eta_2 y] \cdot \mathbb{E}[\alpha_2 a] \cdot \mathbb{E}[\xi_2 x] = \mathbb{E}[\eta_\theta y] \cdot \mathbb{E}[\alpha_\theta a] \cdot \mathbb{E}[\xi_\theta x] \cdot \mathbb{E}[\gamma_\theta c] \quad / .$$
$$\left\{ \eta_\theta \rightarrow \eta_1 + e^{-2\alpha_1} \eta_2, \quad \alpha_\theta \rightarrow \alpha_1 + \alpha_2, \quad \xi_\theta \rightarrow e^{-2\alpha_2} \xi_1 + \xi_2, \quad \gamma_\theta \rightarrow \eta_2 \xi_1 \right\}$$