

$$\begin{aligned}
\mathbf{C}\Lambda &= \left( \eta_i + \frac{e^{-\gamma \alpha_i - \epsilon \beta_i} \eta_j}{1 + \gamma \epsilon \eta_j \xi_i} \right) y_k + \left( \beta_i + \beta_j + \frac{\text{Log}[1 + \gamma \epsilon \eta_j \xi_i]}{\epsilon} \right) b_k + \\
&\quad \left( \alpha_i + \alpha_j + \frac{\text{Log}[1 + \gamma \epsilon \eta_j \xi_i]}{\gamma} \right) a_k + \left( \frac{e^{-\gamma \alpha_j - \epsilon \beta_j} \xi_i}{1 + \gamma \epsilon \eta_j \xi_i} + \xi_j \right) x_k;
\end{aligned}$$

Define  $[cm_{i,j \rightarrow k} = E_{\{i,j\} \rightarrow \{k\}} [\mathbf{C}\Lambda]]$