

$$S\sigma_{i \rightarrow j} := \mathbb{E}_{\{i\} \rightarrow \{j\}} [\beta_i b_j + \tau_i t_j + \alpha_i a_j + \eta_i y_j + \xi_i x_j];$$

$$SY_{i \rightarrow j, k, l, m} := \mathbb{E}_{\{i\} \rightarrow \{j, k, l, m\}} [\beta_i b_k + \tau_i t_k + \alpha_i a_l + \eta_i y_j + \xi_i x_m];$$