

Define $[aS_j = \bar{R}_{i,j} \sim B_i \sim P_{i,j},$

$$\overline{aS_i} = \mathbb{E}_{\{i\} \rightarrow \{i\}} [-a_i \alpha_i, -X_i \mathcal{A}_i \xi_i,$$

1 + If $[\$k = \theta, \theta, (\overline{aS}_{\{i\}, \$k-1}) \$k [3] -$

$$\left((\overline{aS}_{\{i\}, \theta}) \$k \sim B_i \sim aS_i \sim B_i \sim (\overline{aS}_{\{i\}, \$k-1}) \$k \right) [3]]]$$