

Define  $[aS_i = (\mathbf{a}\sigma_{i \rightarrow 2} \bar{R}_{1,i}) // P_{1,2},$

$$\overline{aS_i} = \mathbb{E}_{\{i\} \rightarrow \{i\}} \left[ -\mathbf{a}_i \alpha_i, -X_i \mathcal{R}_i \xi_i, \right.$$

$\mathbf{1} + \text{If} [\$k = \theta, \theta, (\overline{aS_{\{i\}}}, \$k-1) \$k [3] -$

$$\left( (\overline{aS_{\{i\}}}, \theta) \$k // aS_i // (\overline{aS_{\{i\}}}, \$k-1) \$k \right) [3] ] ]$$