

Block [{i, j, k},

$dm_{i_, j_ \rightarrow k_}$ =

$(\mathbb{E} [\beta_i \mathbf{b}_i + \alpha_j \mathbf{a}_j, \eta_i \mathbf{y}_i + \xi_j \mathbf{x}_j, \mathbf{1}] (\mathbf{a} \Delta_{i \rightarrow h1, h2} \sim \mathbf{B}_{h2} \sim \mathbf{a} \Delta_{h2 \rightarrow h2, h3})$

$(\mathbf{b} \Delta_{j \rightarrow t1, t2} \sim \mathbf{B}_{t2} \sim \mathbf{b} \Delta_{t2 \rightarrow t2, t3})) \sim \mathbf{B}_{h3} \sim \mathbf{a} \mathbf{S} \mathbf{i}_{h3} \sim \mathbf{B}_{t1, h3} \sim$

$(\mathbf{t} \mathbf{P}_{t1, h3}) \sim \mathbf{B}_{t3, h1} \sim (\mathbf{t} \mathbf{P}_{t3, h1}) \sim \mathbf{B}_{h2, j, i, t2} \sim (\mathbf{a} m_{h2, j \rightarrow k} \mathbf{b} m_{i, t2 \rightarrow k})]$