PARAMETAR q_i

$$\frac{\partial z_i}{\partial q_i} = y \qquad \frac{\partial E_k}{\partial p_i} = -(y_k - \sigma_k)\frac{\alpha_i}{\sum_{j=1}^{m}\alpha_j}\cdot y$$

STOHASTIČKO:

$$q_i(t+1) = q_i(t) + \eta(y_k - \sigma_k)\cdot\frac{\alpha_i}{\sum_{j=1}^{m}\alpha_j}\cdot y$$

GRUPNO:

$$q_i(t+1) = q_i(t) + \eta\sum_{k=1}^{N}(y_k - \sigma_k)\cdot\frac{\alpha_i}{\sum_{j=1}^{m}\alpha_j}\cdot y$$

PARAMETAR r_i

$$\frac{\partial z_i}{\partial r_i} = 1 \qquad \frac{\partial E_k}{\partial r_i} = -(y_k - \sigma_k)\cdot\frac{\alpha_i}{\sum_{j=1}^{m}\alpha_j}$$

STOHASTIČKO:

$$r_i(t+1) = r_i(t) + \eta\cdot(y_k - \sigma_k)\cdot\frac{\alpha_i}{\sum_{j=1}^{m}\alpha_j}$$

GRUPNO:

$$r_i(t+1) = r_i(t) + \eta\cdot\sum_{k=1}^{N}(y_k - \sigma_k)\cdot\frac{\alpha_i}{\sum_{j=1}^{m}\alpha_j}$$