$= \frac{\pi_k^{t} \cdot \left( \left( 6_k^2 \right)^{t} \right)^{-\frac{1}{2}} \cdot \exp \left\{ -\frac{1}{2} \cdot \frac{\left( \chi_1 - \mathcal{H}_k^1 \right)^2}{\left( 6_k^2 \right)^{t}} \right\}}{\left( 6_k^2 \right)^{t}}$ 

 $\sum_{j=1}^{k} \pi_{j}^{t} \left( \left( 6_{j}^{2} \right)^{t} \right)^{-\frac{1}{2}} \exp \left\{ -\frac{1}{2} \cdot \frac{\left( \chi_{i} - \chi_{j}^{t} \right)^{2}}{\left( 6_{j}^{2} \right)^{t}} \right\}.$ 

 $\frac{1}{|x_1|} = \frac{N_1^t \cdot 6_2^t \cdot 6_3^t}{N_1^t \cdot 6_2^t \cdot 6_3^t + N_2^t \cdot 6_1^t \cdot 6_3^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot 6_1^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot 6_2^t \cdot \exp\{\chi_2^t - \chi_1^t\} + N_3^t \cdot \exp\{\chi_2^$ 

$$\chi_{i2}^{(t+1)} = \frac{N_{2}^{t} \cdot 6_{1}^{t} \cdot 6_{3}^{t}}{N_{1}^{t} \cdot 6_{3}^{t} + N_{1}^{t} \cdot 6_{3}^{t} + N_{1}^{t} \cdot 6_{3}^{t} \cdot exp\{x_{1}^{t} - \chi_{2}^{t}\} + N_{3}^{t} \cdot 6_{1}^{t} \cdot 6_{2}^{t} \cdot exp\{x_{1}^{t} - \chi_{2}^{t}\}}$$

$$\chi_{i3}^{(t+1)} = \left[ - \chi_{i1}^{(t+1)} - \chi_{i2}^{(t+1)} \right]$$

$$\frac{1}{2} \left( \frac{1}{2k} \right) = \frac{1}{2} \left( \frac{1}{2k} \right) \left( \frac{1}{2k} \right)$$

$$N_{k}^{(t+1)} = \sum_{i=1}^{N} (ith) + \sum_{k=1}^{N} (ith) + \sum_{k=1}^$$