

• Recall! KL (N(x; 
$$\mu_0 \geq 0$$
) | N(x;  $\mu_1 \geq 0$ ) (x  $\in \mathbb{N}^d$ )

=  $\frac{1}{2}$ (tr ( $\sum_i \geq 0$ ) + ( $\mu_i - \mu_0$ )T  $\sum_i (\mu_i - \mu_0)$  -  $d$  +  $\log \frac{d + \sum_i (d + \sum_i)}{d + 2 \omega_i}$ 

Rup to the obtaination — (8)

N(x;  $\mu_i \geq 0$ ) =  $\frac{1}{2}$ N(x;  $\mu_i \geq 0$ ) |  $\frac{1}{2}$ N(x;  $\mu_$ 

