$\frac{3}{5} \operatorname{cmp} = \operatorname{arg max} \left\{ \operatorname{P(c|X)} \right\} = \operatorname{arg max} \left\{ \operatorname{P(c)} + \operatorname{In} \left(|\Sigma_c| \right) - (\chi_{-\mu_c})^T \right\}$ $= \operatorname{arg min} \left\{ -2 \operatorname{In} \left(\operatorname{P(c)} \right) + \operatorname{In} \left(|\Sigma_c| \right) - (\chi_{-\mu_c})^T \right\}$ $- \operatorname{arg max} \left\{ \left(-\operatorname{In} \operatorname{P(c)} \right) + \left(-\operatorname{In} \operatorname{f(\chi(c)} \right) \right\}$

- argmax $\{-\ln P(0) + [-\ln f(X(0))]_{=0}^{2} = 0$ = argmin $\{-\ln (P(0)) + [-\ln [(2T_{0})^{2}] \times (x-\mu_{0})^{2} \}$

= avgmin[-lh(P(u)) + 0.5 ln ≥c[+0.5 (x-luc)] = lx2 = avgmin[-2ln(P(u)) + ln(|Ec|) + (x-luc)] = (x-luc)]