$\frac{1}{17} p(\xi_n) = \frac{N}{17} \frac{1}{\sqrt{2\pi \eta_{\xi_n}^2}} \exp\left(-\frac{1}{2\eta_{\xi_n}^2} \cdot \left[y_n - x\theta^2\right]\right) =: 2(\theta) \quad \text{(belihood.)}$ (6) log p(0/ya,...yw) = log p(ya,...yw10) + log p(0) - log p(y) = -Nlog ( \( \size \frac{1}{2\pi \varepsilon^2} \) - \frac{1}{2\pi \varepsilon^2} \left[ (y\_- \times \varepsilon)^2 - \frac{1}{2} \left[ (y\_- \times \varepsilon)^2 - \frac{1}{2\pi \varepsilon^2} \left( \times - m\_p \right)^2 - \left[ \left( y\_- \cdot y\_- \right)^2 - \left( y\_- \cdot y\_- \right)^2 - \left( \left( y\_- \cdot y\_- \right)^2 - \left( y\_- \cd  $= -\frac{1}{2}N\log(2\pi v_{\xi}^{2}) - \frac{1}{2\sqrt{2}}\sum_{n=1}^{N}y_{n}^{2} - 2\sum_{n=1}^{N}y_{n} \times 0 + \sum_{n=1}^{N}x_{n}^{2}$ = - \frac{1}{2} N (0) (2\sigma \frac{2}{2}) - \frac{1}{2\frac{2}{2}} \Bigg[ \frac{9}{2} y\_0^2 - 2 N\frac{9}{2} X\to + N X^2\to^2 \Bigg] - \frac{1}{2\frac{2}{2}} \Bigg[ \frac{9}{2} - 2 \to np + mp^2 \Bigg] - log p (yn (-1 ym) (c) All - 1 leg (21152) - 1 [0-m) is leg N(0/m, 2) - 1/2 02 - 1/2 NX2 02 = - 1/2 0 => 1/52 = 1/52 Que + Nox = On =>  $\Rightarrow \frac{M_p}{V_p^2} + \frac{N_p^2 \times}{V_{e^2}} = \frac{M_p}{V_p^2} + \frac{M_p}{V_{e^2}} \Rightarrow$ => ( \( \alpha\_{\gamma^2} + \alpha\_{\gamma^2} \)