MAP for to $P(\pi|\chi) = P(\gamma|\pi)P(\pi) d P(\gamma|\pi)P(\pi)$ where $P(\gamma/\pi) = \Pi_{i=1}^{i} (P_{\gamma i}|_{\pi}) d \Pi_{i=1}^{i} (\pi_{i})^{\gamma_{i}} (1-\pi_{i})^{\gamma_{i}}$ $P(\pi) = \Pi_{i=1}^{i} P(\pi_{i}) \text{ with } P(\pi_{i}) = \Pi_{i=1}^{i} P(\pi_{i})^{\gamma_{i}} (1-\pi_{i})^{\gamma_{i}}$ = E, [ln(P(x17))] 女上[h(P(zi | zi))] + 無 h(P(感)) = \frac{\int_{121}}{\int_{121}} \frac{\int_{120}}{\int_{121}} \frac{\int_{120}}{\int_{120}} \fra $= \frac{P}{121} \left[\frac{\hat{Y}_{1}}{\hat{Y}_{1}} \ln (\pi_{1}) + (1-\hat{Y}_{1}) \ln (1-\pi_{q}) + \ln e^{\frac{(-\frac{1}{2})^{2}}{260}} \right] + (-\frac{260}{260}) + (-\frac{260}{260}$ = \(\int \int \frac{1}{2} \) \(\int \frac{1 [7: Ai ai - In (1+eA: a)] - = = = - = + c For ith-variount

