$$y_{i} = 1 + \beta_{A} e^{\frac{\beta_{A} \chi_{i}}{\beta_{A} \chi_{i}}} + \xi; , \quad E(\xi_{i}) = 0 \quad V_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad \forall i , \quad \xi_{i}, \xi_{i} \quad \text{where} \quad \lambda_{Ar}(\xi_{i}) = \sigma^{L} \quad$$

$$S(P_1, P_2) = \sum_{j=1}^{n} (y_j - F(X_{1j}, X_{2j}))^2 = \sum_{j=1}^{n} (y_j - 1 - \beta_1 e^{\frac{\beta_1 X_{1j}}{P_2 X_{2j}}})^2$$

۵.

$$\frac{25}{3\beta_{1}} = -2 \cdot \underbrace{\sum_{i=0}^{N} (\gamma_{i} - 1 - \beta_{i})}_{i=0} \underbrace{\frac{\beta_{1} \times \gamma_{1}}{\beta_{2} \times \lambda_{1}}}_{\beta_{2} \times \lambda_{1}} \cdot \underbrace{\frac{\beta_{1} \times \gamma_{1}}{\beta_{2} \times \lambda_{1}}}_{\beta_{2} \times \lambda_{1}} (1 + \underbrace{\frac{\beta_{1} \times \gamma_{1}}{\beta_{2} \times \lambda_{1}}}_{\beta_{2} \times \lambda_{1}})$$

$$\frac{\partial S}{\partial P_{i}} = 2 \cdot \sum_{i=1}^{n} (\gamma_{i} - 1 - P_{i}) \frac{P_{i} \times Y_{i}}{P_{i} \times X_{i}} \cdot \frac{P_{i} \times Y_{i}}{P_{i} \times X_{i}} \cdot \frac{P_{i} \times Y_{i}}{P_{i} \times X_{i}}$$

- $= \frac{1}{2} \frac{$
- $L(\gamma, \beta_0, \beta_1) = \prod_{\substack{i \neq A \\ j \neq A}} f_{\gamma;j|x_i}(\beta) = \prod_{\substack{i \neq A \\ j \neq A}} \frac{e^{-\lambda; \lambda_i \gamma_i}}{\gamma_i!} = \prod_{\substack{i \neq A \\ j \neq A}} \frac{e^{\beta_0 + \beta_A \chi_i} e^{\gamma_i (\beta_0 + \beta_A \chi_i)}}{\gamma_i!} = \frac{e^{-\lambda; \lambda_i \gamma_i}}{\gamma_i!} = \frac{e^$
- $S(P_0,P_1) = \begin{pmatrix} \frac{2l(y,P_1P_2)}{2P_1} \\ \frac{2l(y,P_1P_2)}{2P_1} \end{pmatrix} = \begin{pmatrix} -\sum_{i=1}^{n} e^{P_i + P_i X_i} & \sum_{i=1}^{n} Y_i \\ -\sum_{i=1}^{n} X_i \cdot e^{P_i + P_i X_i} & \sum_{i=1}^{n} X_i \cdot Y_i \end{pmatrix} = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ $P_0 = P_0 \cdot P_0 \cdot X_i \cdot e^{P_0 \cdot P_0 \cdot X_i} + \sum_{i=1}^{n} X_i \cdot Y_i = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ $P_0 = P_0 \cdot P_0 \cdot X_i \cdot e^{P_0 \cdot P_0 \cdot X_i} + \sum_{i=1}^{n} X_i \cdot Y_i = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$ $P_0 = P_0 \cdot P_0 \cdot X_i \cdot e^{P_0 \cdot P_0 \cdot X_i} + \sum_{i=1}^{n} X_i \cdot Y_i = \begin{pmatrix} 0 \\ 0 \end{pmatrix}$

$$\frac{\partial^{2}(y\rho, \rho_{1})}{\partial x^{2}\rho_{2}} = \frac{\partial^{2}(y\rho, \rho_{2})}{\partial x^{2}\rho_{2}} = -\frac{\partial^{2}(y\rho, \rho_{2$$

 $\frac{(p_{\bullet}^{(j+1)})}{(p_{\bullet}^{(j+1)})} = \begin{pmatrix} p_{\bullet}^{(j)} \\ p_{\bullet}^{(j)} \end{pmatrix} - H(p_{\bullet}^{(j)}, p_{\bullet}^{(j)})^{-1} \cdot S(p_{\bullet}^{(j)}, p_{\bullet}^{(j)})^{-1} =$

$$= \begin{pmatrix} \beta_{0}^{(j)} \\ \beta_{0}^{(j)} \end{pmatrix} - \begin{pmatrix} -\frac{7}{5}e^{\beta_{0}^{j}} + \beta_{1}^{j}X_{1} & -\frac{5}{5}\chi_{1}e^{\beta_{0}^{j}} + \beta_{1}^{j}X_{2} \\ -\frac{5}{5}\chi_{1}e^{\beta_{0}^{j}} + \beta_{1}^{j}X_{2} & -\frac{5}{5}\chi_{1}^{j}e^{\beta_{0}^{j}} + \beta_{1}^{j}X_{2} \\ -\frac{5}{5}\chi_{1}e^{\beta_{0}^{j}} + \beta_{1}^{j}X_{2} & -\frac{5}{5}\chi_{1}e^{\beta_{0}^{j}} + \beta_{1}^{j}X_{2} \\ -\frac{5}{5}\chi_{1}e^{\beta_{0}^{j}} + \beta_{1}^{j$$

$$X \sim Gompat 2 = \int_{X} \int_{X} (x) = b\eta \cdot e^{-\eta \cdot 1x - \eta} e^{\frac{1}{2}x}$$

$$L(x, \eta, \xi) = \lim_{i \neq 0} \int_{X} (x_{i}) = \lim_{i \neq 0} \int_{X} (x_{i}) = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta \cdot 1x} = \lim_{i \neq 0} \int_{X} (x_{i} - \eta) e^{-\eta} e^{-\eta$$

6 3/20

$$f(x,y) = (1 \cdot x)^{2} + 100 (y \cdot x^{2})^{2}$$
(i)

$$\frac{3x9\lambda}{3x9\lambda} = -400x = \frac{3\lambda9x}{3xy}$$