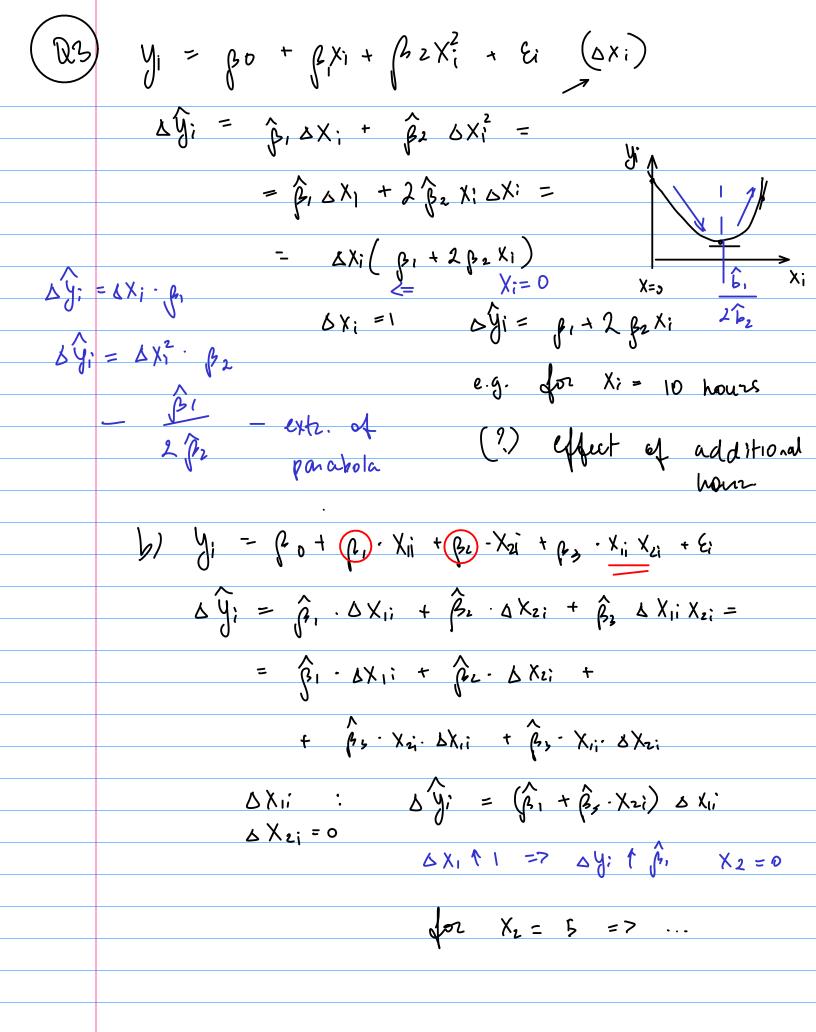
a) x 1 => y 1 p b) x 11/2 => y 1 p2 Seminar 9 () X 1 (7. =>y1 B) x t yt a) x11 =>y18.160% $\frac{d > \log y;}{\Delta \log y;} = \beta_1 + \beta_2 2i + ui \qquad (\beta < 0)!$ $\frac{\Delta y_i}{\hat{y}_i} = \hat{\beta}_2 \cdot \Delta x_i \qquad \text{else}$ $\frac{\Delta y_i}{\hat{y}_i} = \hat{\beta}_2 \cdot \Delta x_i$ x11=7y1(ef2-1).100%. 100. B2 = 100. 24i/yi $\Delta X_i = 1 = 100 \cdot \frac{\Delta y_i}{y_i} = 100 \cdot \hat{\beta}_z$ % $\begin{cases} h & y_i = -10 + 0.07 | h \times i + 0.07 \cdot 2 : + 0.5 \cdot d ; R^2 = 0.95 \\ (2) & (0.01) & (0.01) & (0.1) \end{cases}$ y: - GDP of county (1000\$)

(2:) - Dumny van. | law imp. d; - Investment (1000 \$) XI - Consumption (1006\$) Cons. 1 1% => GDP 1 0,07% on average or countries with law implemented

GPP 1 by
$$4\%$$
 on weakye
 $100(e^{0.02}-1) = 4.25\%$
X1 = y1 $100(e^{0.1}) = 4.25\%$
X1 = y1 $100(e^{0.1}) = 4.25\%$
 $e^{0.1} = 4.40\%$
 $e^{0.1} = 4.40\%$



Qy v yi = d. Ki. Li. Ei In y; = Ind + B. Inki + B. ILLi + ILE $y_i = \lambda \cdot K_i - L_i + \varepsilon_i$ X> OLS y; = ((X;) + €; $255 = \sum_{i} \hat{e}_{i} = \sum_{i} (y_{i} - \hat{e}_{i}(x))^{2} \rightarrow \min_{i}$

Non-linear Least Squares