$$Van(\varepsilon_i) = E(\varepsilon_i^2) \neq 6^2 \varepsilon$$

WIS. 
$$V_i = \lambda + \beta \overline{I}_i + \epsilon_i$$
  $\epsilon_i \sim N(o, 6^e \overline{I}_i^2)$ 

$$Van(c_i) = 6^e \cdot h(t_i)$$

$$Van(u_i) = Van(\overline{u_{ii}}) = 6^e$$

Foliable of 
$$V_{\text{IN}}(\hat{\beta}) = \frac{\delta_{\epsilon}^2}{\sum_{(X_i - \bar{X})^2}} \quad \text{unbiased} \quad \hat{\beta} = (X_i X_j)^{-1} X_i Y_j$$

s.e.

$$V_{\text{IN}}(\hat{\beta}) = \frac{\delta_{\epsilon}^2}{\sum_{(X_i - \bar{X})^2}} \quad V_{\text{IN}}(\hat{\beta}) = \delta_{\epsilon}^2 (X_i X_j)^{-1}$$

$$V_{\text{IN}}(\hat{\beta}) = \frac{\delta_{\epsilon}^2}{\epsilon} \quad V_{\text{IN}}(\hat{\beta}) = \delta_{\epsilon}^2 (X_i X_j)^{-1}$$

$$\hat{Se}_{he}(\hat{\beta}) = \frac{1}{n-2} \sum_{i=1}^{n-2} (x_i - \bar{x})^2 \hat{\xi}_i^2}$$

$$\frac{1}{h} \quad \hat{Von}(x_i)^2$$

Ho: homoscedusticic error 821a) Ha: het enosced. ever (62 ~ Ii) P= 255<sub>2</sub> / 30-2 F= = 7,84 + 17. (28.18) RSS1/22-2 = 2,98 (b) Ho: homos cedarticic en urs Ha: heterosc- evons É? [ I, I², U, e, X², V², D°, OC2 008-tems n. Lanx ~ 2g g=12 (# rey in aux 82.0,67 = 46,7 21,12 = 23,2