The larro problem is given by min 114-XP112 + 211811 If we assume the 12,000 coeff for X_j is $\hat{\beta}_j = q$ and he augment with Xx = X; thu

Golution set becoms: $\beta^{10000} = \min_{\beta = 1} \left(y : -\beta_0 - \xi \times_{i,k} \beta_k \right)^2$ $\geq |\beta_L| \leq 2$

$$= \sum_{\beta} \frac{\lambda_{\beta}}{\lambda_{\beta}} = \sum_{\beta} \frac{\lambda_{\beta}}{\lambda_{\beta}} \left(y_{\beta} - \beta_{\beta} - \lambda_{\beta} + \sum_{\beta} \frac{\lambda_{\beta}}{\lambda_{\beta}} \right)^{2}$$

Fustow, We know $B_i = B_i + B_i^*$ for some je Elj., p) and verson given an optimal solution the orrginal Larro, he can 100 Set $|\beta_j| - |\beta_j| - |\beta_j| = 0 \quad \text{when}$

$$\beta_{j} = \alpha_{12} = \beta_{j}^{*} \qquad fm$$

$$|\alpha_{1} - |\beta_{12}| - |\alpha_{12}| = 0 \qquad ad$$

$$50 \qquad fm \qquad colline and fw \qquad fm$$

$$\beta_{j}^{*} \qquad fm \qquad get \qquad GS sor Sed$$

by divining it by 2 in