

(b) $\mathcal{L} = \frac{1}{9} \sum_{\alpha,\beta=\alpha}^{\epsilon} (\lambda_{\alpha}^{\epsilon} - \lambda_{\alpha})(\lambda_{\beta}^{\epsilon} - \lambda_{\beta}) (\underline{x}^{(\alpha)} + \underline{x}^{(\beta)} + \underline{c} \underline{y}^{\epsilon} + \underline{c} + \underline{c}$ + \(\frac{1}{2} \lambda \lamb - E x x 2 x - 2 x 2 x + 2 x 2 x (x - 10)(x (a)) x (B) - C > Pa + 5 x Pa - Cy E + E = (\(\lambda + \lambda \) + = (\land - \land)(\land - \land) (\alpha (a)) \ \alpha (B) max $\frac{1}{2}$ $\frac{1}{\alpha_{\beta=1}}$ $(\lambda_{\alpha}^{*} - \lambda_{\alpha})(\lambda_{\beta}^{*} - \lambda_{\beta})(\underline{x}^{(\alpha)})^{T} \times (\beta) + \frac{1}{2}(\lambda_{\alpha}^{*} - \lambda_{\alpha})(\underline{x}^{(\alpha)})$ and we have \$\frac{1}{\lambda}, \lambda \lambda \rangle 0.00 \quad \quad \rangle 0.00 \quad \quad \rangle 0.00 \quad \quad \quad \rangle 0.00 \quad \qua $\mu_{\alpha} = \frac{c}{\rho} - \lambda_{\alpha} > 0 \implies \frac{c}{\rho} > \lambda_{\alpha}$ $\mu_{\alpha}^* = \frac{c}{\rho} - \lambda_{\alpha}^* > 0 \implies \frac{c}{\rho} > \lambda_{\alpha}^*$ $S = c \gamma - \frac{c}{\alpha} = (\lambda_{\alpha} + \lambda_{\alpha}^*) \geq 0 \implies c \gamma \geq \frac{c}{\alpha} = (\lambda_{\alpha} + \lambda_{\alpha}^*)$ so the constraints are Va E [1,..., p]: 0 < 2 < 0 < 2 < 6 £ (x= /u) =0 Σ (λα +λ;) ≤ νc