L(x) & konkar og $\frac{\partial^{n}}{\partial \xi} (x_{*}) = Q$ Så es x* et maktimums putet (3,1,2) Ja galder, at $f(x*) - \langle \lambda, \gamma(x*) - b \rangle$ $\geq f(x) - \langle \lambda, g(x) - b \rangle$ for all tilladte x, $\lambda = (\lambda, \ldots, \lambda_m)'$ g= (g1,..., gm) $=) \quad f(x^*) - f(x) \ge \langle \lambda, \beta(x^*) - \beta(x) \rangle$ 20 for alle tolladte (\, g (x*) - g (x) > $= \sum_{i=1}^{\infty} \lambda_i \left(g_i(x^*) - g_i(x) \right)$ Tilfaelde 1: $g_{\hat{j}}(x^*) < b_{\hat{j}}$ =) $\lambda_i = 0$ Tilfaelde 2: 9; (x*) = 6; $=) \quad \lambda_{j} \left(\beta_{j} \left(x^{\mu} \right) - \beta_{j} \left(x \right) \right) = \lambda_{j} \left(\beta_{j} - \beta_{j} \left(x \right) \right)$ x es fleat, dus. $b_{j} - g_{j}(x) \ge 0$ $f(x_*) - f(x) > 0$