9, 9, (1x) = 12 40 0'9, (x) =0 Convex

If there are two contrarts in active

$$\lambda_1 = \lambda_2 = 0$$

$$\begin{bmatrix} 3 \\ -3 \\ 1 \end{bmatrix} = 0 \quad . \quad 3 = 0 \quad infeasible$$

(b) To MPCO holds in SZ. Consider in S

NA)= 7,4. 4. 2

By Lucnberger Theorem

$$(X^{4} - X^{*}) A^{7} (X^{4} - X^{*}) \leq \left(\frac{\lambda_{mis-4} - \lambda_{1}}{\lambda_{mis-4} + \lambda_{1}}\right)^{2} (X^{0} - X^{*})^{7} (X^{0} - X^{*})$$

$$(X^{4} - X^{*}) A^{7} (X^{4} - X^{*}) \leq O$$