AX=b AX 5b, $A(x) = di', Ci - m \times = di', i = m+1, -m+p$ Olhar so para AX=b CAX=dA Min f(x) S.2 7 F(x*) + ATY + CAZJ= 0 ZERP: Zi=0 se i & AX Cond. de 15 orden: Se XEST é min. local de FECT suj. à Ax=b e CxSd, entas 3 x e z tais que $\nabla f(x^*) + A^T y^* + Cz^* = 0$ AXX = b (Cix-di). Zi = 0 Z > 0 $C.0: \mathcal{O}_{\mathcal{I}} \mathcal{C}_{\mathcal{I}} \mathcal{C}_{\mathcal{I}}$ UX Sau 七X.. min CX > 2 <math>Ax = b, $x \neq 0$ 1 c + Ay - Z = 0 C.E. de PL X:. Z: -0 X, Z 7/ Método de Pontos Interiores min $\frac{1}{2}x^TQx + C^TX$ 5.2 Ax = b e x > 0, - $CO: \int Q \times + C + A \cdot Y - Z = 0$ $A \times = b$ X = (), min $\frac{1}{2}$ x $\sqrt{2}$ $\frac{\partial x + c - \mu x e + A \gamma = 0}{A x}$ $\begin{bmatrix} Q + \mu X_{k} & A \\ A & O \end{bmatrix} \begin{bmatrix} \Delta X_{k} \\ \Delta Y_{k} \end{bmatrix} = \begin{bmatrix} Q X_{k} + C - \mu X_{k} + A Y_{k} \\ A & X_{k} - b \end{bmatrix}$ Hip.i. Xx > 0 XK+1 = Xx + Xx DXx Xx+1 = Xx + Xx DXx Xx+1 > 0 (e busco linear +alvez) Mo>O , MK+1 / MK