$S(x) = \frac{1}{2} < A \times, x > - < 0, x >$ Quadratic cost. Junction $\nabla J(x) = J'(x) = A \times -b$ B Symmetric

 $\nabla S(x) = B^{-1}(x - x_b) - HR^{-1}(x - Hx)$ Euler equation for x^{α} $B^{-1}(x^{\alpha}-x_{\alpha})-H^{\alpha}(x_{\alpha})=0$ Ill-poed problem. $S = \{(x,y) : t, y > 0\}$

(Diville) Bounday Cardikar: + Neumann 4(xp) =0 30 (x 14) == $\frac{1}{2}$ M(10)=

 $\frac{x(x^{1}x)-2}{2}$ The Couchy perdom in the upper hall-plane is II-posed Tikhonor regularization -> well-posed