ig - 2 g - 4y = 4 , U = - 6.4 $y = \begin{cases} 2, & y \cdot s > 0 \\ -2, & y \cdot s \leq 0 \end{cases}$ j 8 = y + 3 g Samena: $\mathcal{L}_1 = y$ $\mathcal{L}_2 = \dot{\mathcal{L}}_1 = \dot{y}$ $x_1 = x_2$ $\dot{x}_{2} = \dot{x}_{1} = \dot{y} = 4 + 2\dot{y} - 4\dot{y} = -\dot{y} \cdot \dot{x}_{1} + 2\dot{x}_{2} - 4\dot{x}_{p} =$ $\int -6x_1 + 2x_2$, $x_1(x_2 + 3x_1) > 0$ $|-2x_1+2x_2, x_1(x_2+3x_1) \leq 0$ f) $\chi_{I}(\chi_{2}+3\chi_{I})>0$ (x) = x2 x2 = -6x1+2x2 $A = \begin{pmatrix} 0 & 1 \end{pmatrix} det(A - \lambda T) = \begin{pmatrix} -\lambda & 1 \end{pmatrix} = -\lambda(2 - \lambda) + 6 =$ $= -2\lambda + \lambda^2 + 6$ 7= 1 ± 15 i - regeracionario grange

