Tratati problema oscilatiilor anostirate jseudo-jourdie R' =- 2x $m\vec{x} = \vec{R} + \vec{f}\vec{e} = m\vec{x} = -n\vec{x} - k\vec{x}$ $\frac{20}{X} + \frac{9}{m} + \frac{1}{x} = 0$ 100000000 X + 2bX + 63X = 0 $X = Ae^{St}$ $Ae^{St} + \frac{9}{m}SAe^{St} + \frac{9}{m}Ae^{St} = 0$ =) 82x + 268x + co2x =0 => x(82+268+co2)=0 => => 52+265+62=0 $\Delta = 4b^{2} - 4co^{2}$ $\beta_{12} = -2b + 2\sqrt{b^{2} - co^{2}} = \frac{1}{2}$ $X = A_1 e^{(-b+\sqrt{b^2-\omega^2})t} + A_2 e^{(-b-\sqrt{b^2-\omega^2})t} = 1$ =) x = e - b + (A, etvb2-w2 + A2 e - t vb2-w2) b-2 co 2- l3 = co,2 Vl2-60? = J-601? = ± i co' $\times (t) = e^{-bt} (A_1 e^{ico't} + A_2 e^{-ico't})$ $A_1 = \frac{1}{2} A_0 e^{ix}$ $A_2 = \frac{1}{2} A_0 e^{ix}$ $X(t) = \frac{Ao}{2} e^{-bt} \left(e^{i(\omega't+\alpha)} + e^{-i(\omega't+\alpha)} \right) =$ = Aoe-let cos(cotta)

X(t) - Ao e-bt cos (cost tax) Ace better [w/(++t')+x] Co (++T') = co't + 27 $= e^{+bT'} = \lim_{X(t+T')} \frac{\chi(t)}{\chi(t+T')} = bT' =$ A(T) = Ao e-1 = Ao e-0 = -1 = -6 = -7 = -Teste timp de sele Fast