10.60 YUS U(S) 75+13 #153 + 5+4 15+13 XI YUS) UIS) - X \overline{X}_3 12 Y = X1 + X2, X1 = (NA-X1) + I,= (U-I) 5. I) = (XHI) = (', \SX1 = -X1-1X3+24 S 王2 = -4 王2 - 5 王3 + 5 以 =) く」こる王、十五、一上五。 $Y = X_1 + X_2 = Y = (1, 1, 0)$ TIDIET CONFLACTORY

y +3y + 2y + y = U. X,=y, X,=y, X,= y $\dot{x}_1 = \dot{y} = \chi_2, \quad \dot{\chi}_2 = \ddot{y} = \chi_3, \quad \dot{\chi}_3 = \ddot{y} = U - 3\dot{y} - 2\dot{y} - \dot{y} = -\chi_1 - 2\chi_2 - 3\chi_3 + \dot{y}$ N= (1,0,0) N-0 + 77 25, 53 Y+35 Y+ 25 Y+ Y= N=) Y= (115) = (2)Y.(44) (3, X = AX+BU, Y=CX+DY => (I A) x SX=AX+BU, Y=CX+DU. =) (IS-A) X = BU=) X = IS-A) BU =) Y = [C[IS-A] B+C ((IS)=[((IS-A)]B+D] 5+3 (5+1)(5+4)+3.

