RODRIGO ALVES DE ALMEIDA
(01) a) e(+ = 0) = 0 w/+ = 0
V (t = 0) = K + W +
K+ W+ = Ri (+>0) + Vb *
T = Kt·i VB = Kt W 1
Jw = K+ i - bw ; w(+ -0) -0 w(+ -0) = w
i (+ > 20) = bwr @
Kt
Be Dem 14
Kff wr = R bwn + Kt wr
K.t
KFF = Rb + Kt
Kt.

V= Ri + K.W Ji = K+·1 - bw V= Kt. w + R ( Jw+bw) , w=0  $K_{r}(K_{p}(\theta_{r}-\theta)-\dot{\theta})=K_{t}\dot{\theta}+RJ\ddot{\theta}+Rb\dot{\theta}$ KN KPB-- KNKPB-KNB=K+B+RJB+RBB + / K+ KN + Rb 10 + KNKBO = KNKDON Kt 6 + KNKpKt 0 = KNKpKt Or KpKN= Wn RJ 25 con RJ = K+2+K+K++Rb Kr = 25 Wn RJ - K+ 2 SwaRT-Ki-Rb 28 Wn RJ-

