Jr. [1041] =] (1041) = 2 2 2 = 2 [21] - 1001 2 =] (1011) Controver we argue outrul at steady state)? C=G-Hn^y the when I June (when it Note G = and and and -HG) $C_{\text{ort}} = H y_{\text{on}} = HFAR = HFAR = U_{\text{in}} (H_0^{\text{in}})^{-1} (H_0^{\text{in}})^{-1$ + (MON-1) "(+ (p) MON) (= (p) n) (Commund: In practice it is easier to that the theory regularized by (arrived vert) ayon = 6 to whit + 6 ad = (- 6 Jun Jud + 6 a) ad Ward to express Zais a function of d and N r= Nov /od $\frac{41501}{6} (G_{hn} = H)_{hn} = H (y + n^2) = Hy + Hn^2$ Optimal input: Keep Ju=0 always Ju = Ju + Jun 2 Von (d) Hua ed Need to compare with optimal caro => [dupy (d) = - Juy Jud dd CHIVIN d: 1. Here c'is controlled at supply . Than C-(01+ = 6 (U-U02) $Thus: [Z = J_{uu}^{1/2} G^{-1} (C^{-} C_{0} \rho_{t})]$ Cont GUDN +6d.ch We have : C-Gut Gud Cont = H you = HFM Evaluation of log 50. y=6" u +60" d (in deviation variables ! sysupad) al constant value, when there are distan 1102-2/22 $J(u,d) = J^{*} + \left(\int_{u}^{+} \int_{d}^{+} \right)^{T} \left(\int_{d}^{u} d d \right) = \int_{u}^{+} \left(\int_{d}^{u} \int_{d}^{+} \int_{d}^{-} \int_{d}^{+} \int_{u}^{+} \int_{d}^{-} \int_{u}^{+} \int_{u}^{+} \int_{u}^{+} \int_{u}^{-} \int_{u}^{+} \int_$ Nolly "10 varien to leap Cels = constrant H= (Jul Jul) What is loss if we control Derivation of luss weing "exact local mutual" und J (u, x, a) E Eliminate X (u, a) 4(x, u, d) = 0 Assumptions: 1. Steady stade wish J(yud), 2. awardingtic cust _______3. Liveur models Lecture nokes for On 10,1-10,5 2. Quadratic cost (around ut d) - HICIM Con Call 3. Linar marzunemund world (Hurd 2- Whoods) () = unique 1. steady - state cast 1(4,0) Nominal optimum, Questioni ৩ Cis willed

M-Julkin HY noisikiket 33 There without a water (14-0) and sufficient (10: of monumunity (and file of the back that HF=0 (zero loss) Both & allowed so sign does not mathen!! Mand to select the such thus of (N) is minimand. Nonmalited disturbance and notice 2. Anolymbrod Forwards (proveded Y full rowk) HT= (Y YT)⁻¹ G⁺ Worst-care Z (worst-care loss) $\max \left[\frac{d^{2}}{m} \right]_{24} = \frac{-1}{2} \overline{O} \left(M_{1}^{2} \right)$ 14 H/ 15 - 100 - 15 - 100 1. Corright formulation