Modelo de Desempleo con Salario Nominal Rigido.

Modelo MAT.

$$Y^{T} = C(Y^{T}) + I(Y - \overline{n}) + AD - - - - (0)$$

$$L(Y^{T}Y) = \overline{M}/P - - - - - (0)$$

$$N^{T} = N^{d}(WIP) - - - - (0)$$

$$Y^{d} = F(N^{T}) - - - (0)$$

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1 dentidad

$$Y - c(y^{T}) - I(Y - \overline{n}) - AO = 0$$

$$Y = Y^{T}(3D, \overline{n}, \overline{m}, \overline{w})$$

Aplic dif-

$$\cdot (1-c')dy^{T} - I'dy + I'dii - dii = 0$$

$$\cdot Lydy^{T} + Lydy - (\frac{Pdii - iidP}{P^{2}}) = 0$$

$$\cdot dy^{T} - N''d\lambda = 0$$

$$\cdot dy^{T} - Fdy^{T} = 0$$

· (1-c)'dy". I'd" = dno - I'dn
LYdyT+ Lydr + Hdp = I/Pdf
$dn^{r} = N^{d} dx$
$-f'dN^T = 0$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\Delta = -\frac{e}{h} \cdot f$ $\therefore \Delta > 0$

dNT (O, AHOMO desempleo = bajo empleo = Menor demanda de TAMBAJO. dA+0 => dAD = dT = dA =0 $(1-c^{2}) - I = 0 = 0$ Ly ly 0 $H_{1}P^{2}$ dv/dc = 00 0 1 0 du^{2}/dc 1 0 - F 0 dv/dc $\frac{du^{T}}{du^{T}} = \frac{0}{0} \frac{0}{0} \frac{0}{0} \frac{0}{0}$ dut to the fire

Modelo SALARIO NOMINAL RIGIDO "SUPURSTO"

W- W -> No hay equilibrio

Nº + Nd = dat -> Fallo de mercodo, la OFETTO de TRABATO desaporea en este modelo.

Modelo

$$\frac{\overline{M}}{\rho} = L(\gamma^{\tau}, \tau)$$

FORMS IDENTICES

$$\frac{\overline{M}}{P} - L(Y^{T}, Y) = 0$$

$$N^{T} - N^{d}(\frac{\overline{W}}{P}) = 0$$

$$Y^{T} - F(N^{T}) = 0$$

$$\dot{Y} = Y (AD, \Pi, F, \overline{\omega})$$

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$$\dot{N}^{T} = (AD, \Pi, F, \overline{\omega})$$

$$\dot{P} = (AD, \Pi, F, \overline{\omega})$$

dyT/daDDO da0 ≠0 d4=0 dw=0 dπ=0 $\begin{bmatrix} 1-L & -Ir & 0 & 0 \\ -Ly & -Lr & 0 & -H/P^2 \\ 0 & 0 & 1 & Nd'(\frac{W}{P}) & dr \\ dr & dP & 0 \end{bmatrix}$ $\frac{dy^{T}}{dap} = -Lr \begin{vmatrix} 1 & Nd' \left(\frac{\omega}{P}\right) \\ -f' & 0 \end{vmatrix} - Lr + f' Nd' \left(\frac{\omega}{P}\right) = \frac{-1}{P}$ Aplicamos Diferenciales

Separamos endogenas y exogenas = y factorezamos.

$$dy^{\dagger} \qquad dn^{\dagger} + Nd^{\dagger} \cdot \left(\frac{\overline{w}}{P^{\dagger}}\right)^{dP} = N^{d} \cdot \frac{1}{P} d\overline{w}$$

$$- P^{\dagger} dn^{\dagger} \qquad = 0$$

Hallamos determenantes

$$A = 1 \begin{bmatrix} 1 & 0 & -1 & 0 \\ -1y & -Lr & -\frac{H}{P^2} \\ 1 & 0 & 0 \end{bmatrix} - N^{d_1} \left(\frac{\omega}{P^2} \right) \begin{bmatrix} 1 - c' & -Lr & 0 \\ -Ly & -Lr & 0 \\ 1 & 0 & -F' \end{bmatrix}$$

$$\Delta = \frac{\overline{A}}{P^2} \begin{bmatrix} 1-c' & -\mathbf{I}r \\ 1 & 0 \end{bmatrix} - N^{di} \left(\frac{\overline{W}}{P^2} \right) \begin{bmatrix} 1-c' & -\mathbf{I}r \\ -iy & -\mathbf{I}r \end{bmatrix}$$

$$D = \frac{\overline{H}}{P^2} - Tr + N^{di} \left(\frac{\overline{W}}{P^2} \right) \stackrel{?}{F} \left[- \left(t - G \right) Lr - \left[\frac{W}{V} \cdot Tr \right] \right] > 0$$

$$+ \frac{\overline{H}}{P^2} \left(- \frac{W}{V} \cdot Tr \right) \stackrel{?}{F} \left[- \frac{W}{V} \cdot Tr \right] > 0$$

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