1)
$$C_4 = \underbrace{\mathcal{E}_t}_{1-aL}$$
 $I_t = \underbrace{k\xi_t}_{1-bL}$

$$\begin{aligned} f_{\epsilon}(1 = l)(1 - kl) &= (1 - kl) \varepsilon_{\epsilon} + k \varepsilon_{\epsilon}(1 - kl) \\ &= \varepsilon_{\epsilon} - b \varepsilon_{\epsilon-1} + k \varepsilon_{\epsilon} - ak \varepsilon_{\epsilon-1} \end{aligned}$$

RADIE TO TOTAL

Paices M: (1+k -l(brak)) =0

$$Q_{e}^{0} = Q_{e}^{s}$$

$$-\beta P_{e} = \gamma 0^{e}$$

-> prede se regativo ya que estamos viendo desviaciones de la media.

Aplico Et-1 a amboslados era):

-) a major Etaut, esper 1 Qt, por lo que mis Persal

Enlances:

$$P_{\epsilon}^{e} = \frac{-0_{\epsilon-1}}{(\beta+8)}$$

Igualano, of y dem:

$$-\beta P_{t} = -\frac{\gamma_{U_{t-1}}}{(\beta+\gamma)} + U_{t}$$

$$P_{t} = \frac{\chi_{U_{t-1}}}{\beta(\beta+\gamma)} - \frac{U_{t}}{\beta}$$

$$\mathcal{P}_{+}(1-L) = \frac{1}{\beta(\beta+\gamma)} \underbrace{\begin{pmatrix} U_{t-1} - U_{t-1} \end{pmatrix}}_{\mathcal{E}_{t-1}} - \frac{1}{\beta} \underbrace{\begin{pmatrix} U_{t-1} - U_{t-1} \end{pmatrix}}_{\mathcal{E}_{t}}$$

$$\begin{array}{c}
\delta P_{\varepsilon} = \frac{\gamma}{\beta(\beta+\delta)} \varepsilon_{\varepsilon+1} - \frac{1}{\beta} \varepsilon_{\varepsilon+1} & P_{\varepsilon} \sim ARIMA(0,1,1) \\
P = 0, J = 1, q = 1
\end{array}$$

Process innation

$$Q_{+} \sim ARIMA(0,1,1)$$

 $p=0, d=1, q=1$