In Lecture 7 slide 31 we have (2,5 %)

A) 
$$y_{e} = 6 e \times P \left( \frac{w_{e}}{2} \right) 2_{e}$$
 $w_{e} = p w_{e-1} + n_{e}$ 
 $m_{e} \approx p w_{e-1} + n_{e}$ 
 $m_{e} \approx n_{e} \approx n_{e}$ 

In Lecture 6 slide 18 we have  $(G_n^2 = v^2)$ 

Let  $\theta_{k} = (\theta_{3} \beta_{3} e_{n}^{2})$  and  $\theta_{B} = (w, \phi, e_{n}^{2})^{2}$ 

Note that ye = dexp} \frac{\frac{1}{2}}{2} \frac{2}{2} = exp} \frac{1}{2} \log d^2 \texp} \frac{\frac{1}{2}}{2} \frac{2}{2} \end{array}

$$= 2xp \left\{ \frac{1}{2} \left( \log d^{2} + w_{e} \right) \right\}^{2} =$$

$$= 2xp \left\{ \frac{w_{e}^{*}}{2} \right\}^{2} + w_{e}$$

where & = log d2, note that

Note that  $w_s^*$  is the solution of an ARCI)
Process of the kind:

so the mopping from 8x ~00B is

$$\begin{cases}
w = \log 2^{2}(1-9) \\
\phi = 9 \\
\gamma^{2} = 6^{2} 
\end{cases}$$

Note that

such that

$$y_{e} = exp \left\{ \frac{w_{e}}{2} \right\} v_{e} = exp \left\{ \frac{1}{2} \left[ \frac{w}{1-\phi} + \sum_{s=0}^{\infty} \phi^{s} M_{t-s} \right] \right\} v_{e}$$

$$W_t^* = \sum_{s=0}^{\infty} \phi^s M_{t-s}$$
 is the solution of an AR(1)

Process of the Kinol

$$\int G = \exp \left\{ \frac{w}{2(1-p)} \right\}$$

$$G_n = \sum_{i=1}^{n} e^{-ix}$$

Show 
$$\frac{\partial B}{\partial t}$$
 to  $\frac{\partial A}{\partial t}$  15

Note that

 $G = \exp \left\{ \frac{w}{2(1-y)} \right\}$ 
 $G = \exp$