(FIO H(Z) = 
$$Z-P^{-1}$$
 supresents an all pars filters  $Z-P^{-1}$ 

$$H(z) = \frac{z}{z-p}$$
, if p is the, it is high part  
if p is -ne, it is low part

$$420$$
,  $H(z) = \frac{z}{z^2 - (2r\cos\theta)z + r^2}$ 

poles: 
$$Z^2 - (2910050)Z + Y^2 = 0$$

$$\begin{cases}
\sqrt{10} & \sqrt{10} = 2.5 \text{ y [n-1]} - \sqrt{10} - 2 \text{ then } -2 \text{ then$$

$$H = \frac{1 - 3z^{-1}}{1 - z^{-1}}$$

$$\frac{(7-3)(2)}{H(z)} = \frac{1}{1-z^{-1}} - \frac{3z^{-1}}{1-z^{-1}}$$

muerse of this
$$h[n] = \left(\frac{1}{2}\right)^n u(n) - 3\left(\frac{1}{2}\right)^{n-1} u[n-1].$$

This is a causal system.