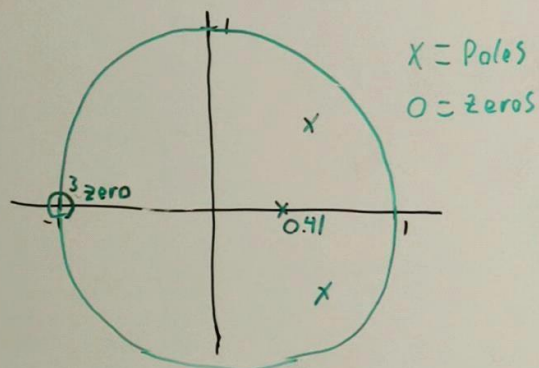


2)

$$H(z) = 0.0317 \frac{1 + 3z^{-1} + 3z^{-2} + z^{-3}}{1 - 1.4590z^{-1} + 0.9104z^{-2} - 0.1978z^{-3}} = \frac{Y(z)}{X(z)}$$



$$H(e^{j\pi}) = 0 \Rightarrow \text{Bilinear}$$

(Sker fordi alle nulpunkter er i -1)

3)

$$y[n] = +1.4590 \cdot y[n-1] - 0.9104 \cdot y[n-2] + 0.1978 \cdot y[n-3] + (x[n] + 3 \cdot x[n-1] + 3 \cdot x[n-2] + x[n-3]) \cdot 0.0317$$

