

3)

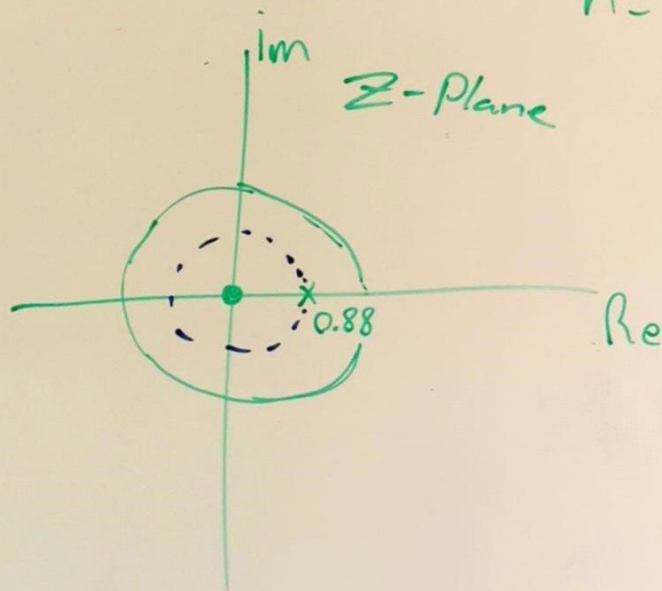
$$H(z) = \frac{T}{RC} \cdot \frac{1}{1 - e^{-\frac{T}{RC}} \cdot z^{-1}}$$

gang igennem med  $z$ 

$$H(z) = \frac{T}{RC} \cdot \frac{z}{z - e^{-\frac{T}{RC}}}$$

$$p = e^{-\frac{T}{RC}} = 0.88$$

$$n = 0$$



$$\text{Roc } |z| > 0.88$$

Stable fordi den er indenfor Enhedscirklen