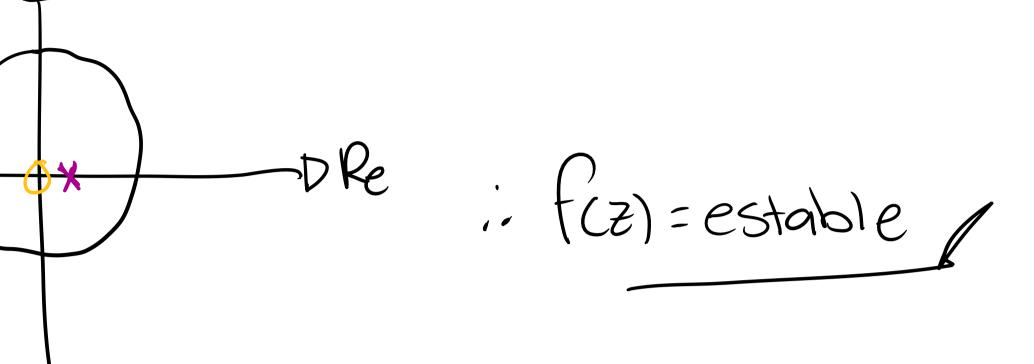


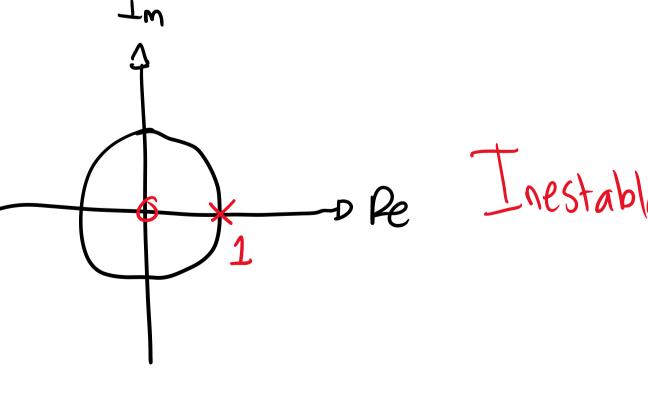
10: Obtener la Z de la sig señal y analizar estabilidad. Im f(t)=10e

Formula 4) 
$$F(z) = 10$$
  $= 10Z$  Cero = 0.22  $= 0.22$   $= 0.22$   $= 0.22$ 



1) Escalón: 
$$f(z) = \frac{10z}{z-1}$$
The stable

2) 
$$f(t) = 5 \cdot t$$
  $\int_{T=1}^{\infty} f(z) = \frac{5z^{-1}}{(1-z^{-1})^2} \cdot \frac{z^2}{z^2} = \frac{5z}{(z(1-z^{-1})^2)^2} = \frac{5z}{(z-1)^2}$ 



$$\frac{1-1}{8(2)} = \frac{A(2)}{B(2)} \frac{\text{ceros}:}{\text{polos}:} = \frac{A(2)}{B(2)} \frac{\text{ceros}:}{\text{ceros}:} = \frac{A(2)}{B(2)} \frac{\text{ceros}:}{\text{$$