$$R\{s\} > 1 \qquad R\{s\} > 1 \qquad R\{s\} > 2 \qquad X(s) = \frac{1}{(s+1)(s+2)} = \frac{1}{s+1} + \frac{1}{s+2} = \frac{1}{s+2}$$

$$A = [(s+1) \times (s)]_{s=-1} = 1 \qquad A = 1$$

$$(5) = \frac{1}{(5+1)(5+2)} = \frac{1}{5+1} = \frac{1}{5+2}$$

$$x(t) = -\left(e^{-t} - e^{-t}\right)u(-t)$$

9.11) 
$$\chi(5) = \frac{1}{(5+1)(5+2)}$$

$$= \frac{1}{(5+1)(5+2)}$$

$$= \frac{1}{5+1} = \frac{1}{5+2}$$

$$\chi(t) = -e^{-t} u(-t) - e^{-2t} u(t)$$

$$(5+1)(5-2) = \frac{2}{(5+1)(5-2)}$$

$$A = \frac{(5-1)(5+1)}{(5-2)} = \frac{2}{3} = \frac{2}{3}$$

$$5 = \frac{(5-1)(5/2)}{5} = \frac{1}{2}$$

$$\frac{1}{(S+1)(S+1)}|_{S=2}$$

Si  $\frac{1}{(S+1)(S+1)}|_{S=2}$ 

RESJ C  $\frac{1}{(S+1)(S+1)}|_{S=2}$ 

$$h(t) = \left(\frac{2}{3}e^{-t} + \frac{1}{3}e^{2t}\right)u(t) - \Re\{s\}$$

Si H(5) es estable -> jw=0 E R{5}  

$$R\{5\} > 2 \neq 0 \rightarrow No \text{ pstable}$$
  
921)  $h(t) = e^{2t}u(t)$   
 $H(5) = \frac{1}{5-2}$   $R\{5\} > 2 > R\{5\}$