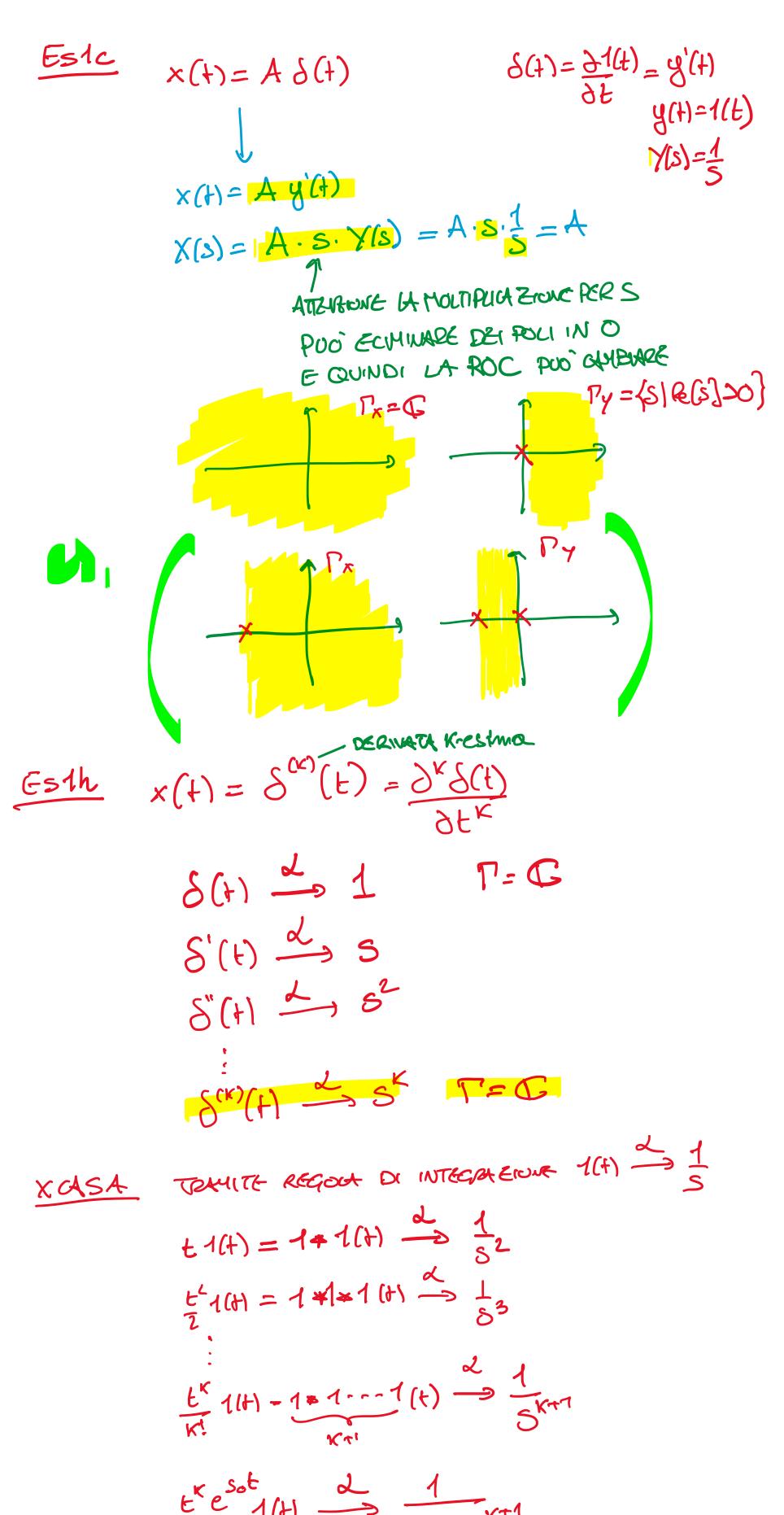
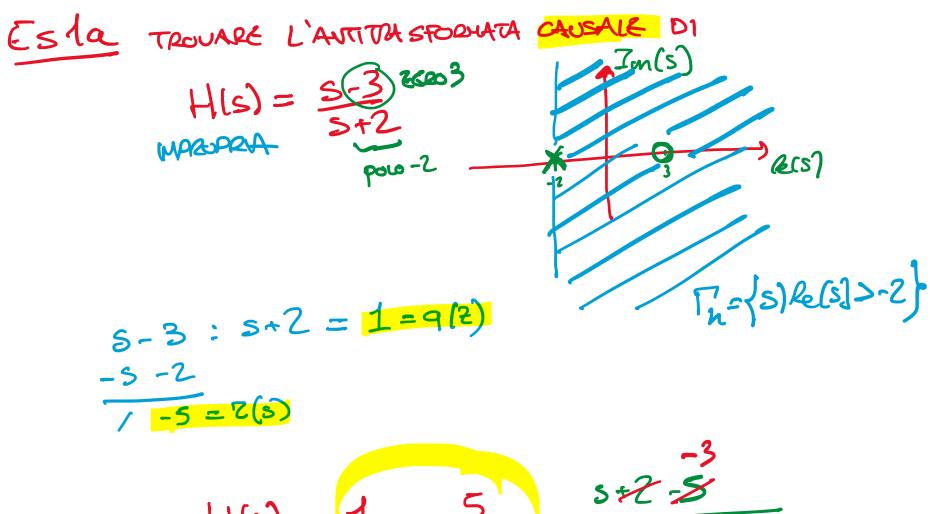
Le27 Thursday, 25 May 2023 08:35





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

$$h(t) = \delta(t) - 5 e^{-2 \cdot t} - 1(t)$$

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ES16 TROVARE L'AUTITRASFORMATA CAUSARE DI

$$H(s) = \frac{1}{s^{3} + s^{2} - 6s} = \frac{1}{s(s^{2} + s - 6)}$$

$$P_{0} = 0$$

$$P_{1} = -1 \pm 4 + 6 + 6 = 2$$

$$P_{0} = 0$$

$$P_{1} = -1 \pm 4 + 6 + 6 = 2$$

$$P_{0} = 0$$

$$P_{1} = 2$$

$$P_{2} = -3$$

CORCUMMO DIESPRIMERE H(s) = 
$$\frac{R_0}{5} + \frac{R_1}{5-2} + \frac{R_2}{5+3}$$

$$NOTA \quad \chi(s) = \frac{\chi_1}{s - P_1} + \frac{\chi_2}{s - P_2} + \frac{\chi_3}{s - P_3} + \frac{\chi_3}{totro s - P_3}$$

$$NOTA \quad \chi(s)(s - P_1) = \frac{\chi_1}{s - P_1} + \frac{\chi_2}{s - P_1} + \frac{\chi_2}{s - P_1} + \frac{\chi_3}{s - P_1} + \frac{\chi$$

$$H(s) = \frac{1}{s(s-2)(s+3)} = \frac{s_0}{s} + \frac{R_1}{s-2} + \frac{R_2}{s+3}$$

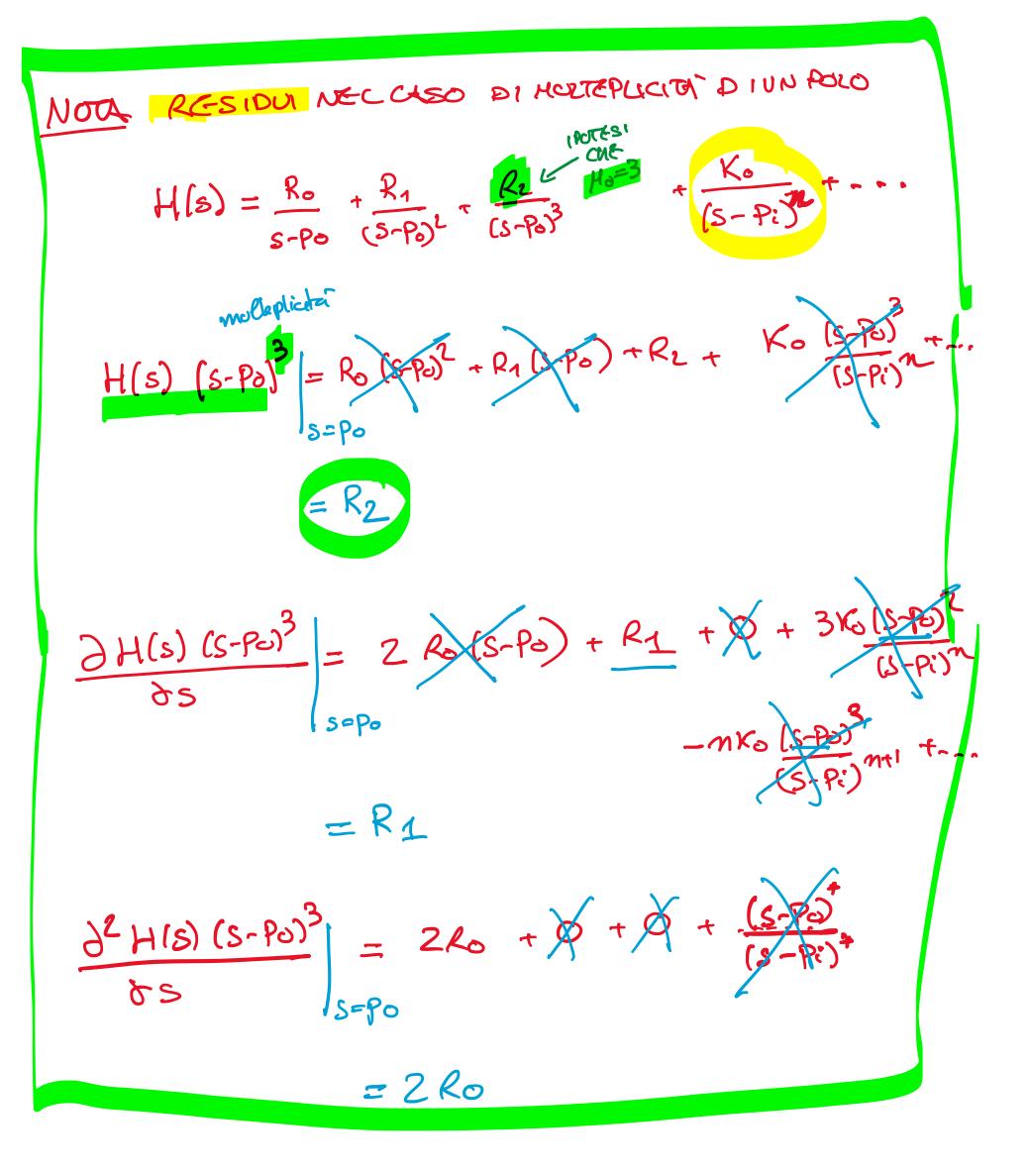
$$R_1 = H(s) = \frac{1}{(s-2)(s+3)} = \frac{1}{(s-2)(s+3)} = \frac{1}{s=0} = \frac{1}{6}$$

$$R_1 = H(s) (s+2) = \frac{1}{s=2} = \frac{1}{s(s+3)} = \frac{1}{s=2} = \frac{1}{10}$$

$$R_L = H(s) (s+3) = \frac{1}{s=3} = \frac{1}{s(s+3)} = \frac{1}{s=-3} = \frac{1}{15}$$

$$H(s) = -\frac{1}{6} = \frac{1}{5} + \frac{1}{10} = \frac{1}{5-2} + \frac{1}{15} = \frac{1}{5-73}$$

$$h(t) = -\frac{1}{6} = \frac{1}{1(t)} + \frac{1}{10} = \frac{t}{1(t)} + \frac{1}{15} = \frac{-3t}{1(t)} = \frac{1}{1(t)}$$



$$\frac{c_{15}1c_{1}}{H(s)} = \frac{c_{15}1}{2s^{4}(s-1)} = \frac{H_{0}}{1s} + \frac{H_{1}}{2s} + \frac{H_{2}}{1s}$$

$$H_{1}(s) = \frac{c_{15}1}{2s^{4}(s-1)} = \frac{H_{0}}{1s} + \frac{H_{1}}{1s} + \frac{H_{2}}{1s}$$

$$H_{2} = H(s)(s-1)|_{s=1} = \frac{4s-1}{2s^{2}}|_{s=1} = \frac{3}{2}$$

$$H_{1} = H(s)(s-1)|_{s=0} = \frac{4s-1}{2(s-1)} = \frac{1}{2}$$

$$H_{0} = \frac{d_{1}}{d_{1}}[H(s)s^{2}]|_{s=0} = \frac{4s-1}{2(s-1)} = \frac{1}{2}$$

$$H_{0} = \frac{d_{1}}{d_{1}}[H(s)s^{2}]|_{s=0} = \frac{4s-1}{2(s-1)} - \frac{(4s-1)}{2(s-1)^{2}}|_{s=0}$$

$$= -2 + \frac{1}{2} = -\frac{3}{2}$$

$$H(s) = -\frac{3}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{3}{2} + \frac{1}{2}$$

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

NOTA SE CONDECETE HI  

$$H(s) = \frac{H_0}{5} + \frac{H_1}{5^2} + \frac{H_2}{(s-1)}$$
  
ROTETE TOQUERLO  
 $H_1(s) = -\frac{H(s)}{5} - \frac{H_1}{5^2} = \frac{H_0}{5} + \frac{H_2}{5-1}$   
INCOLL HO E TACLUE DA BERRURCE  
 $H_0 = H_1(s) s |_{s=0}$   
 $H_4(s) = \frac{4s-1}{2s^2(s-1)} - \frac{1}{2s^2} = \frac{4s-1}{2s^2(s-1)} = \frac{3s}{2s^2(s-1)}$   
 $= \frac{3}{2} \cdot \frac{1}{s(s-1)}$   
 $H_0 = H_1(s) s |_{s=0} = \frac{3}{2} \cdot \frac{1}{(s-1)} s_{s=0} = -\frac{3}{2}$