$$\int (y')(s) = 5 \int (y(s)) - y(0)$$

$$= 5 \int (s) - y(0)$$

$$\int (y'')(s) = 5^{2} \int (s) - 5 \int (s) - y'(0)$$

$$\int (y'')(s) = 5^{2} \int (s) - 5 \int (s) - y'(0)$$

$$\int (y'')(s) = 5^{2} \int (s) - 5 \int (s) - y'(0)$$

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J"- 4=00+ £ } y"-y} (s) = £ /e2/) (s) 52 /(5) - 57(5) - 9(10) - 7(5) = 5-2  $(5^2-1)$   $\gamma(s) = \frac{1}{5-2} + 1$  $\frac{2}{5-7}$  $\frac{1}{(s-2)(s-1)(s+1)}$  $=\frac{1}{(5-2)(5+1)}$ 4 ch = eat sinst

 $f(t) = e^{2t} \sin 3t$   $f(s) = \frac{3}{(s-a)^2 + 9}$ 

$$f(s) = f(s)$$

$$f(s) = f(s)$$

$$f(s) = f(s)$$

$$f'(s) = f'(s)$$

$$f'$$

$$F(s) = \frac{1}{s^{2}+4s+13} \Rightarrow \frac{1}{s} + \frac{1}{s+4}$$

$$= \frac{1}{s^{2}+4s+13} = \frac{1}{s^{2}+4s+4+9}$$

$$= \frac{1}{(s+2)^{2}+9}$$

$$= \frac{1}{3} = \frac{1}{(s+2)^{2}+9}$$

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1"- 29'- 37 so 7'00 al 9'10 ao 4 ) 4 d ... , 2 .. / . . / . . / 1 . d. 2 . 1 /10 = 8 - 2 Y150 = 5 + 11 / 5 3 3 (341) (341) 118-30-1 12: 11- = 5-2 -3A +11 =-2 17 = 4 , 15 = 1 7(+)= 3/ 1-1/3 + 1/ 1/5-21 = 3 0 + 1 0 3 1