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

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

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

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

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

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

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

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

$$\int (y'')(s) - y(s)$$

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

$$\int (y'')(s) - y(s)$$

$$\int (y'$$

7"- 4=001 £ } y"-y} (s) = £ /ex) (s) 52 /(s) - 5y (s) - y'(s) - Y(s) = 5-2  $(5^2-1) Y(s) = \frac{1}{5-2} + 1$  $\frac{2}{5-2}$  $\frac{1}{1}$   $\frac{1}$  $=\frac{1}{(5-2)(5+1)}$ 

4 (t) = eat sinst + ) eat sins + 3 (s) = 3

£/eat mi 3+3(s)= 3 (5-2)2+9

$$F(s) = \frac{1}{s-2} - \frac{16}{s^2+4}$$

$$f(h) = \frac{1}{s-2} - \frac{16}{s^2+4}$$

$$= \frac{1}{s-2} - \frac{16}{s^2+4}$$

$$= \frac{2^4}{s^2-2s-3} - \frac{1}{s^2+4}$$

$$= \frac{1}{s^2-2s-3} - \frac{1}{s^2-2s-3}$$

$$= \frac{1}{s^2-2s-3} - \frac{1}{s^2-3}$$

$$= \frac{1}{s^2-3} -$$

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

$$S^{2}+4s+13 = S^{2}+4s+4+9$$

$$= (s+2)^{2}+9$$

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

$$= \frac{1}{3} \cdot e^{-\frac{1}{3}} \cdot \frac{1}{(s+1)^{2}+4}$$

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

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

$$\frac{1}{s^{2}} + \frac{1}{2} \cdot \frac{1}{s} + \frac{1}{2} \cdot \frac{1}{s} + \frac{1}{2} \cdot \frac{1}{s} + \frac{1}{2} \cdot \frac{1}{s}$$

$$\frac{1}{s^{2}} + \frac{1}{2} \cdot \frac{1}{s} + \frac{1}{$$

1"- 29'- 37 00 7'00 =1 9'10 0 1, "Visit : " 1 / / 25V(5) / 27/6) 1 - 1 - 1 - 1 - 5 - 2 Y153 = -5 -1 /5 = 5 (11) 18-3-16:11- = 5 5' -3A +11 =- ) 2- = 1.15=1 7(+) = 3/ [-1] + = 1 / / = 1,