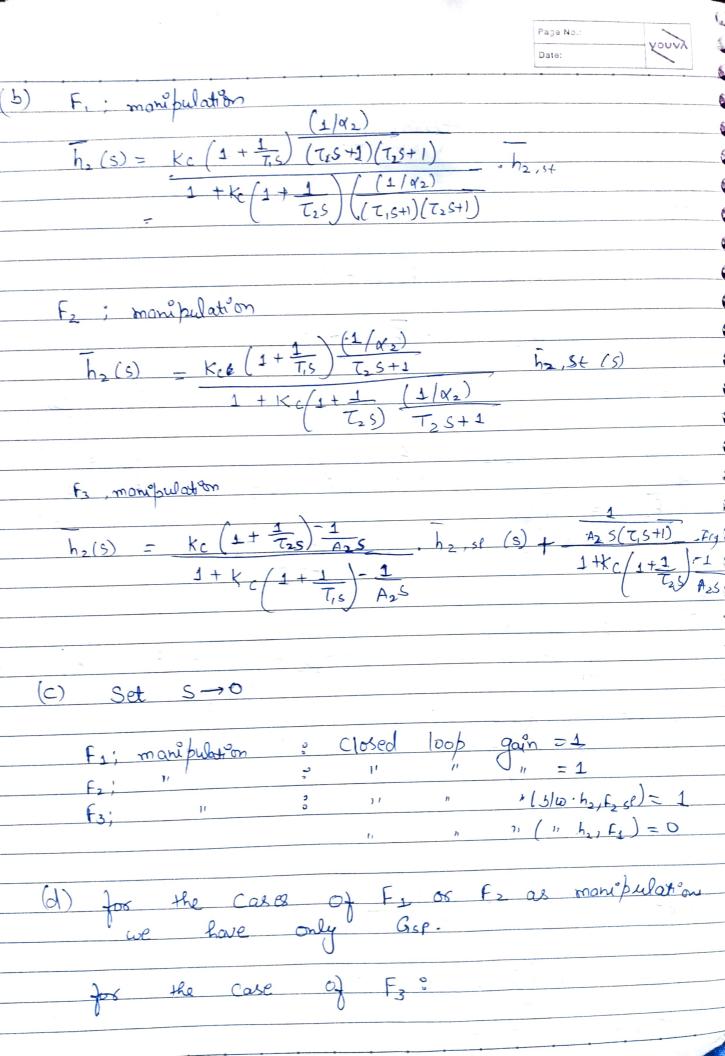
Fork 1 s 
$$A_1 ext{Sh}_1(s) = \overline{F}_1(s) - \overline{F}_2(s)$$

$$A_2 ext{Sh}_2(s) = \overline{F}_2(s) - \overline{F}_3(s)$$

(a)  $F_{2+1}$  manifulation  $F_{21}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{31}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{31}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{32}$  manifulation  $F_{31}$  manifulation  $F_{32}$  manifulation  $F_{3$ 



$$\frac{1}{\sqrt{(3)}} = \frac{5.1.2}{1 + 5.1.2} \left[ \frac{(5+4)}{(5+4)} \left( \frac{55+4}{55+4} \right) \right] = \frac{2}{5}$$

$$\frac{1}{\sqrt{(5)}} = \frac{20}{352445411} = \frac{20/14}{5541} + \frac{(-0.91+10.3376)}{5336}$$

$$\frac{1}{\sqrt{(5)}} = \frac{20/14}{5541} + \frac{(-0.91+10.3376)}{5336}$$

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Invert = 
$$y(4) = 20 - 1.9412 e^{-2t/3}$$
  $s_{10}^{0} \sqrt{\frac{116}{6}} + \frac{1}{4} c_{10}^{-1} (2.69)$ 

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(c) from 
$$y(s) = 20$$
 =  $20|11$ 

$$S(3s^2 + 4s + 11) = 5/3 \cdot s^2 + 4 \cdot s + 1$$

$$S(3s^2 + 4s + 11) = 5/3 \cdot s^2 + 4 \cdot s + 1$$

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$$S(3s^2 + 4s + 11) = 5/3 \cdot s + 1$$

$$S(3s^2 + 4s + 11) = 5$$

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