

Problem B-2-9

Given

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

obtain $f(\infty)$. Use the final-value theorem.

Problem B-2-10

Given

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

obtain $f(0+)$. Use the initial-value theorem.

Problem B-2-13

What are the inverse Laplace transforms of the following functions?

(a)
$$F_1(s) = \frac{s+5}{(s+1)(s+3)}$$

(b)
$$F_2(s) = \frac{3(s+4)}{s(s+1)(s+2)}$$
