

Problem S5.3

Determine $f(0)$ when $F(s) = \frac{3}{(s+2)(s+5)}$.

Solution:

$F(s)$ is strictly proper. $f(0) = \lim_{s \rightarrow \infty} sF(s) = \lim_{s \rightarrow \infty} \frac{3s}{(s+2)(s+5)} = 0$