Wedefine the Laplace transform for some input function f(+) as

$$(\mathbf{L} +) (s) = \int_{0}^{\infty} f(t) e^{-st} dt = F(s)$$

·Likewise, we have that

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Example Problems

We are asked to from pute

equals

$$\frac{1}{5} + \frac{2}{5^2} + \frac{2}{5^3}$$

by linearity.