Example 5.7

Design a digital controller?

$$G(S) = \frac{1}{(oS+1)} e^{-3S}$$
 suit step $\Rightarrow 0$ stading state error settling time $10S$
 $S = 1S$

Solution

 $G(S) = \frac{1}{(oS+1)} e^{-3S}$ suit step $\Rightarrow 0$ stading state error settling time $10S$
 $S = 1S$
 $S = 1$

= 5.2543 2^t (8 - 0.7048) 2.0 - 25 × 26 - 0.5 × 2.00