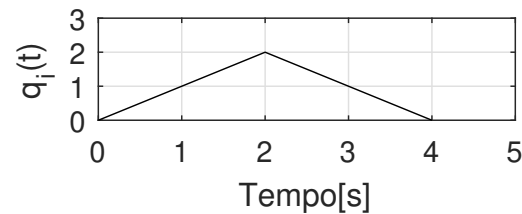
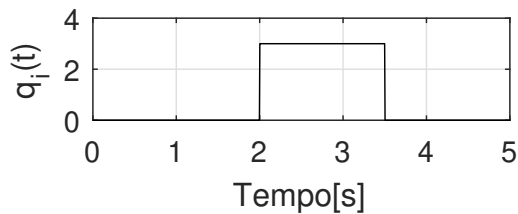
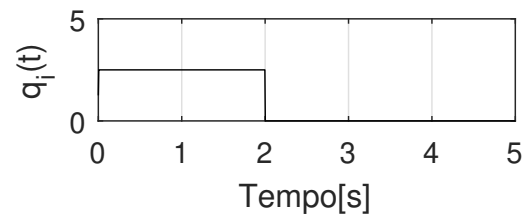
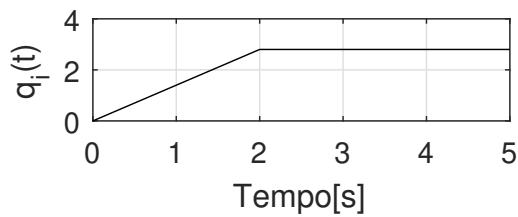
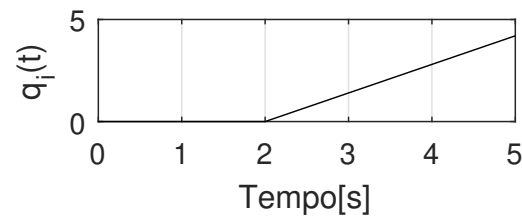
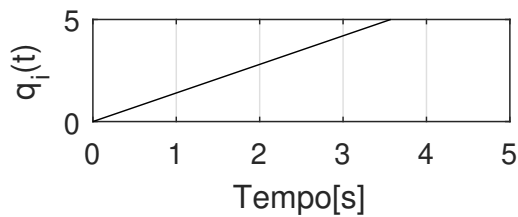
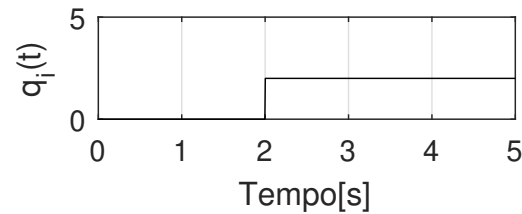
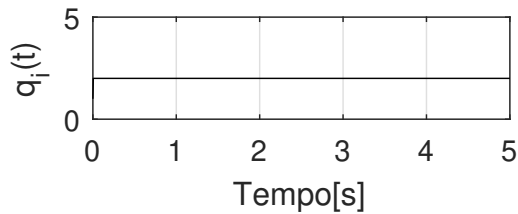


Problema # 1

Considere um sistema de primeira ordem com constante de tempo $\tau = 2s$ e ganho de regime permanente $K = 1$. Seu trabalho é determinar a resposta do sistema às entradas abaixo. Considere nulas as condições iniciais.



Problema # 2

Considere o sistema abaixo onde $x_o(t)$ representa a entrada e $y(t)$ a saída do sistema. Determine a resposta do sistema à entrada mostrada. Assuma valores numéricos para as constantes.

