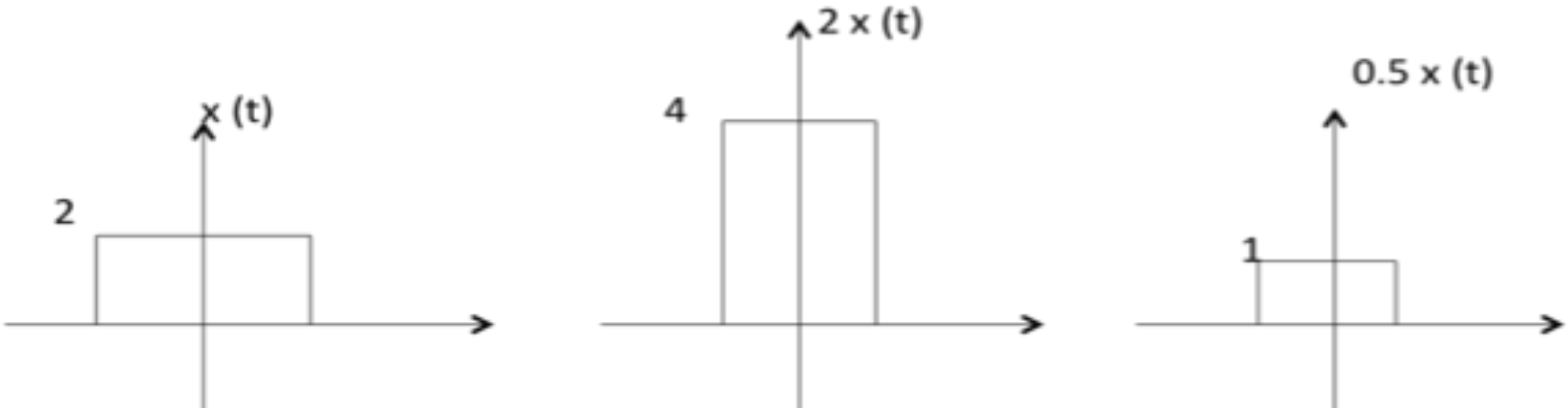
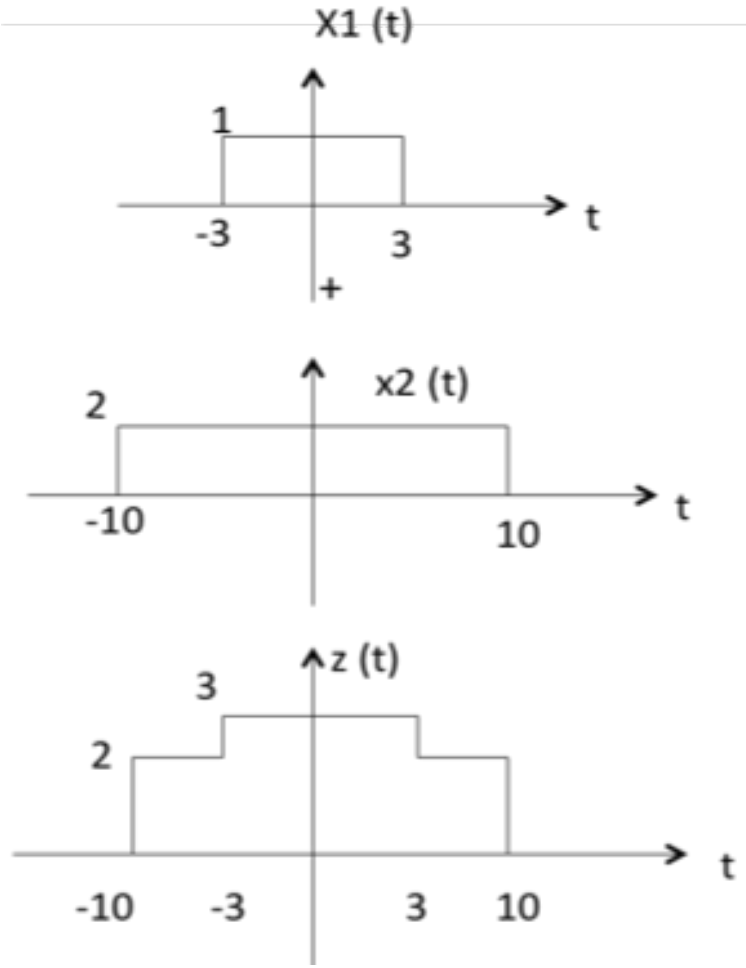
Sinais e operações básicas.

Fabio Irigon Pereira

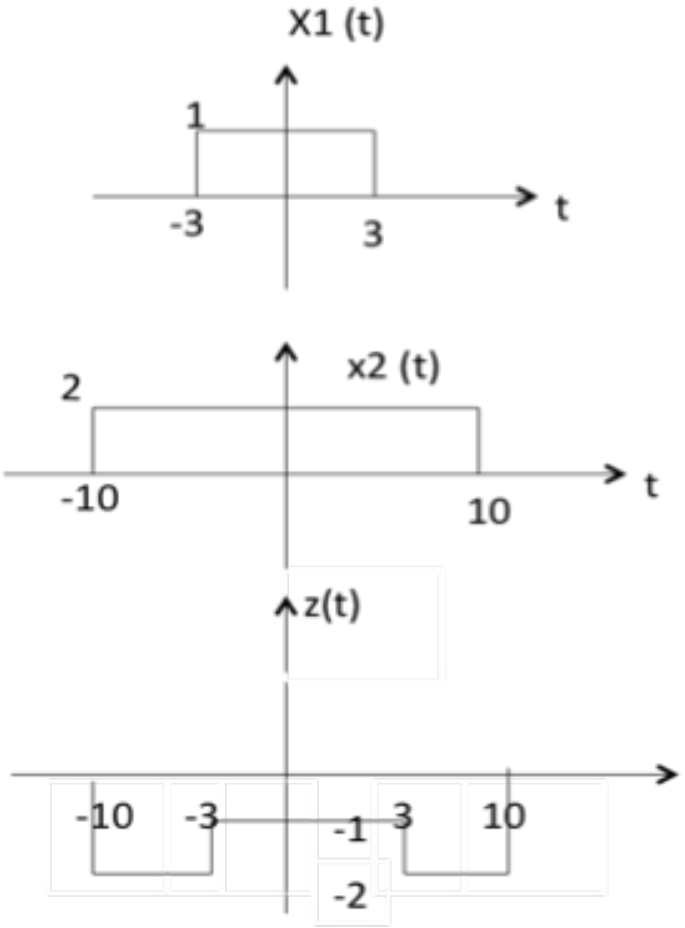
Mudança de escala



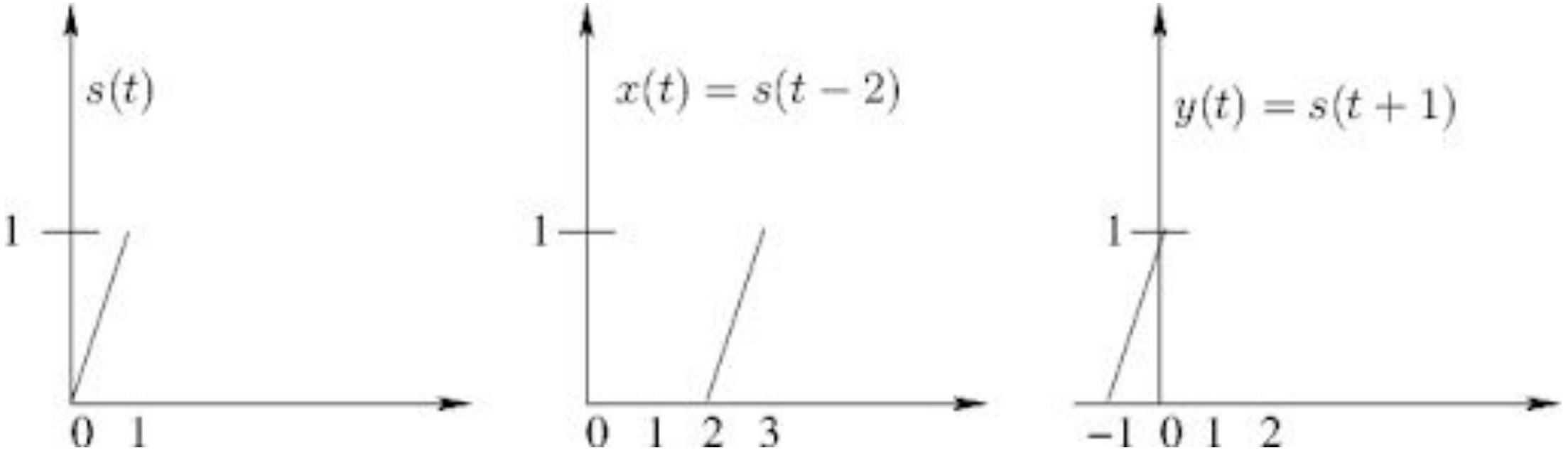
Adição



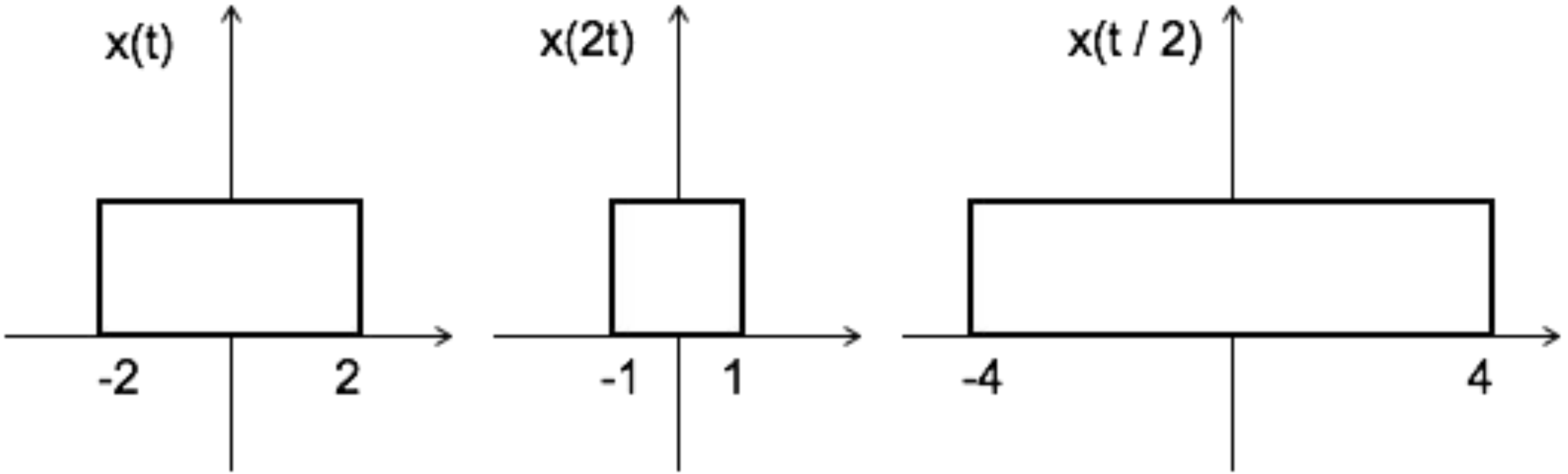
Subtração



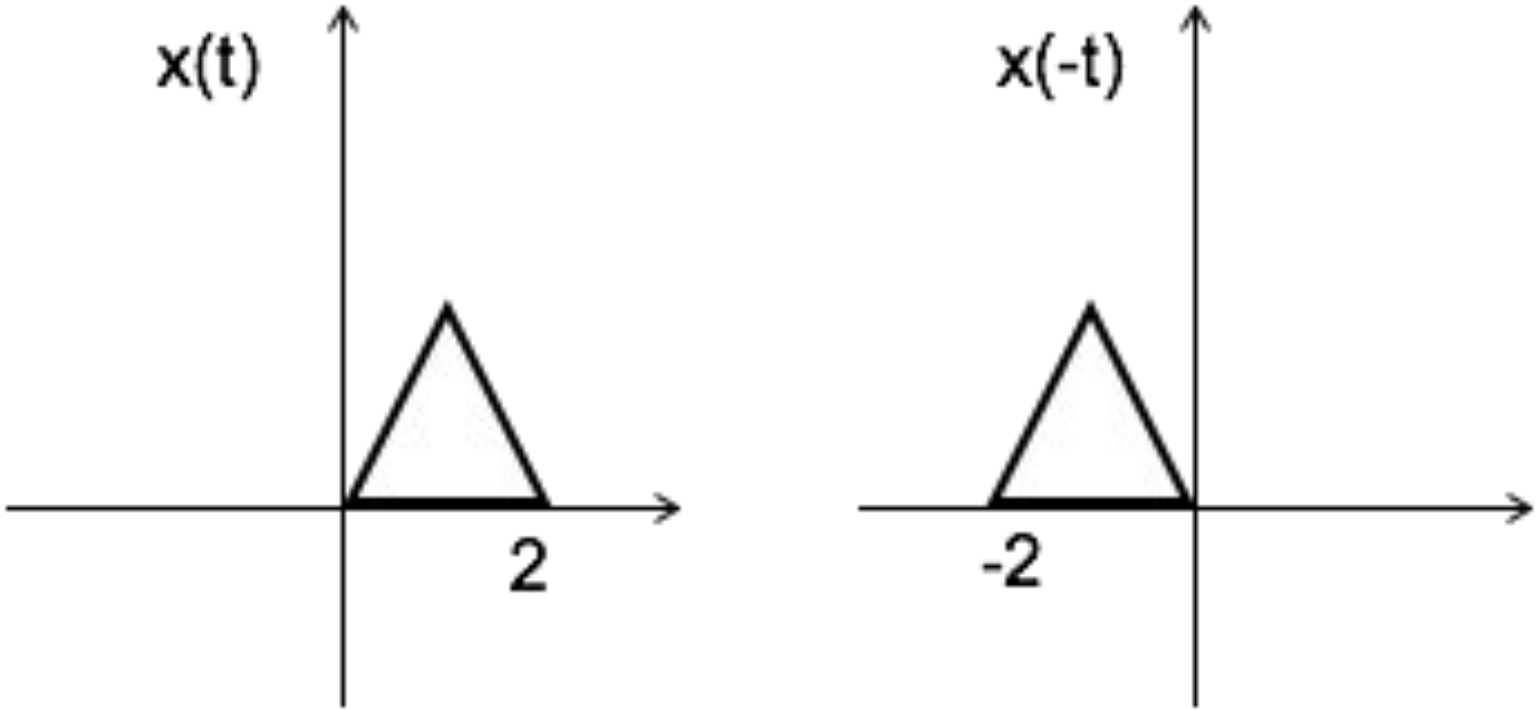
Deslocamento



Time scale

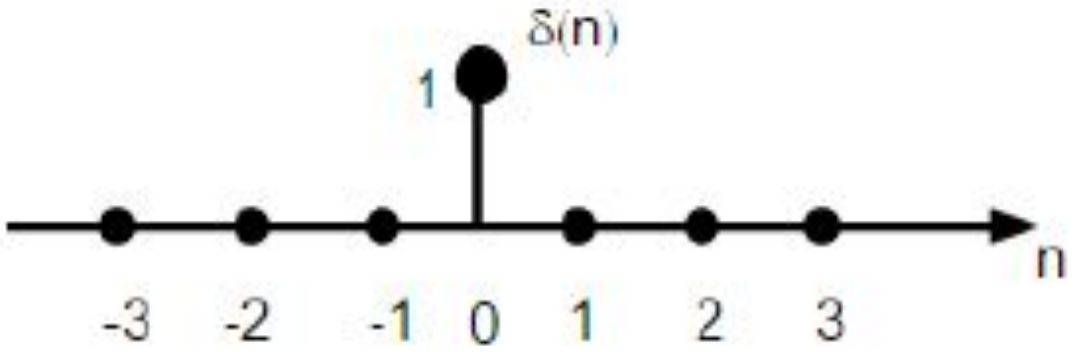


Reversão



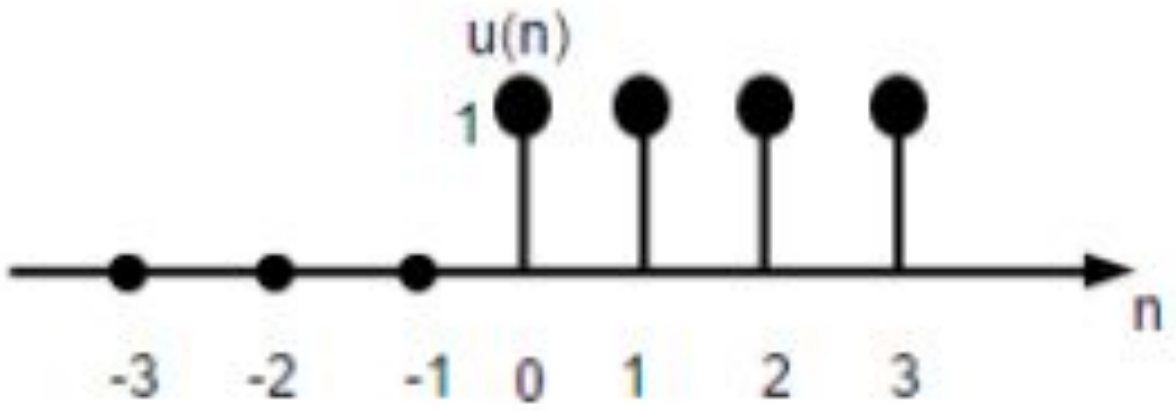
Sinais Básicos: Função Delta (Impulse)

$$\delta(n) = \begin{cases} 1, & for \quad n = 0 \\ 0, & Otherwise \end{cases}$$

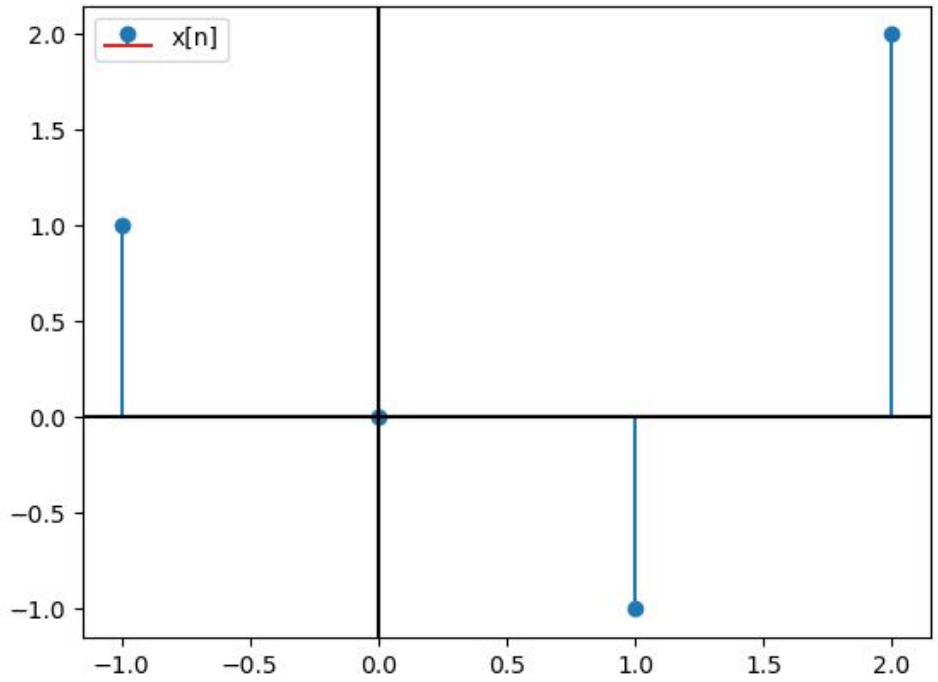


Sinais Básicos: Função Degrau (unit step)

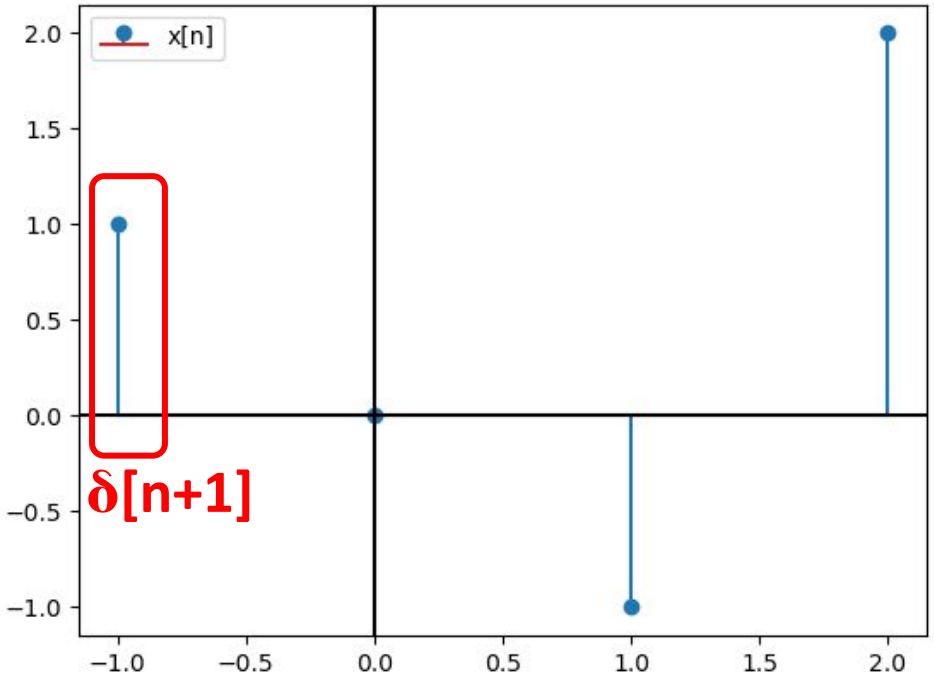
$$U(n) = \begin{cases} 1, & for \quad n \geq 0 \\ 0, & for \quad n < 0 \end{cases}$$



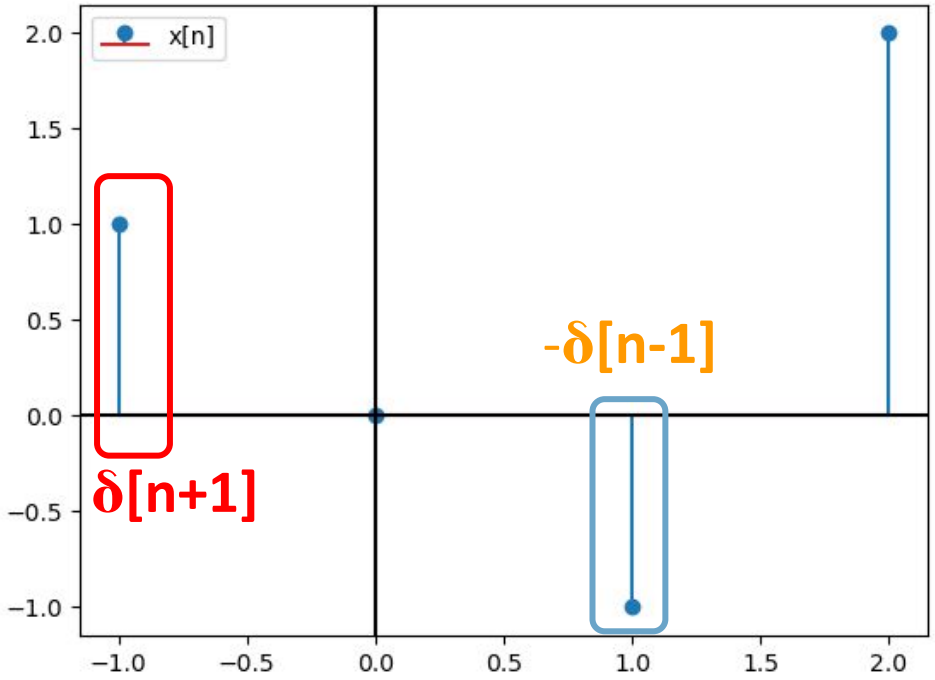
Construção de sinal arbitrário a partir da soma de Deltas:



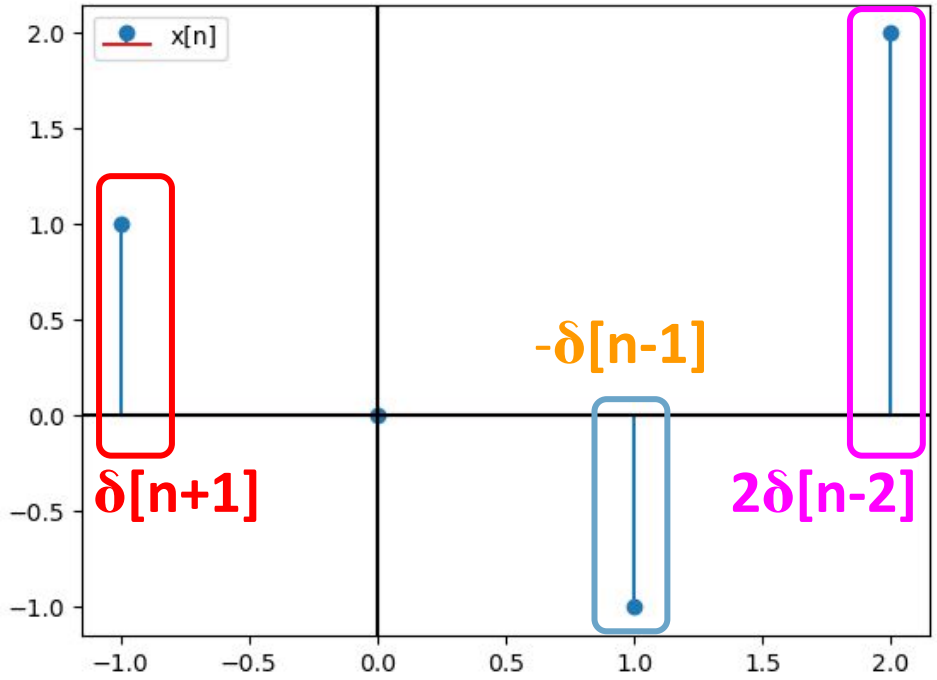
Construção de sinal arbitrário a partir da soma de Deltas:



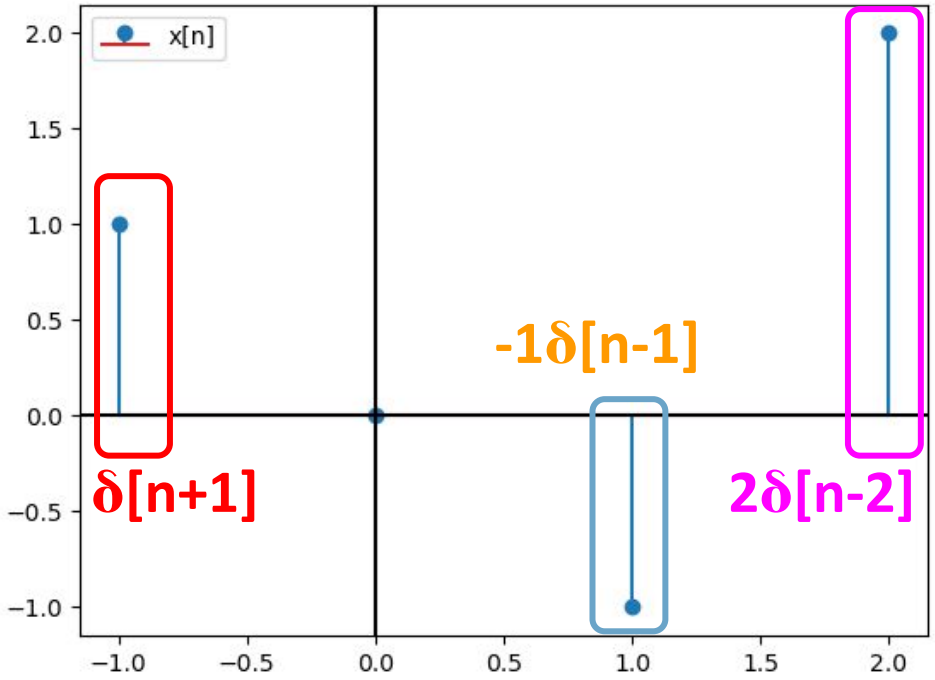
Construção de sinal arbitrário a partir da soma de Deltas:



Construção de sinal arbitrário a partir da soma de Deltas:



Construção de sinal arbitrário a partir da soma de Deltas:



$$x[n] = \delta[n+1]+(-1).\delta[n-1]+2.\delta[n-2]$$