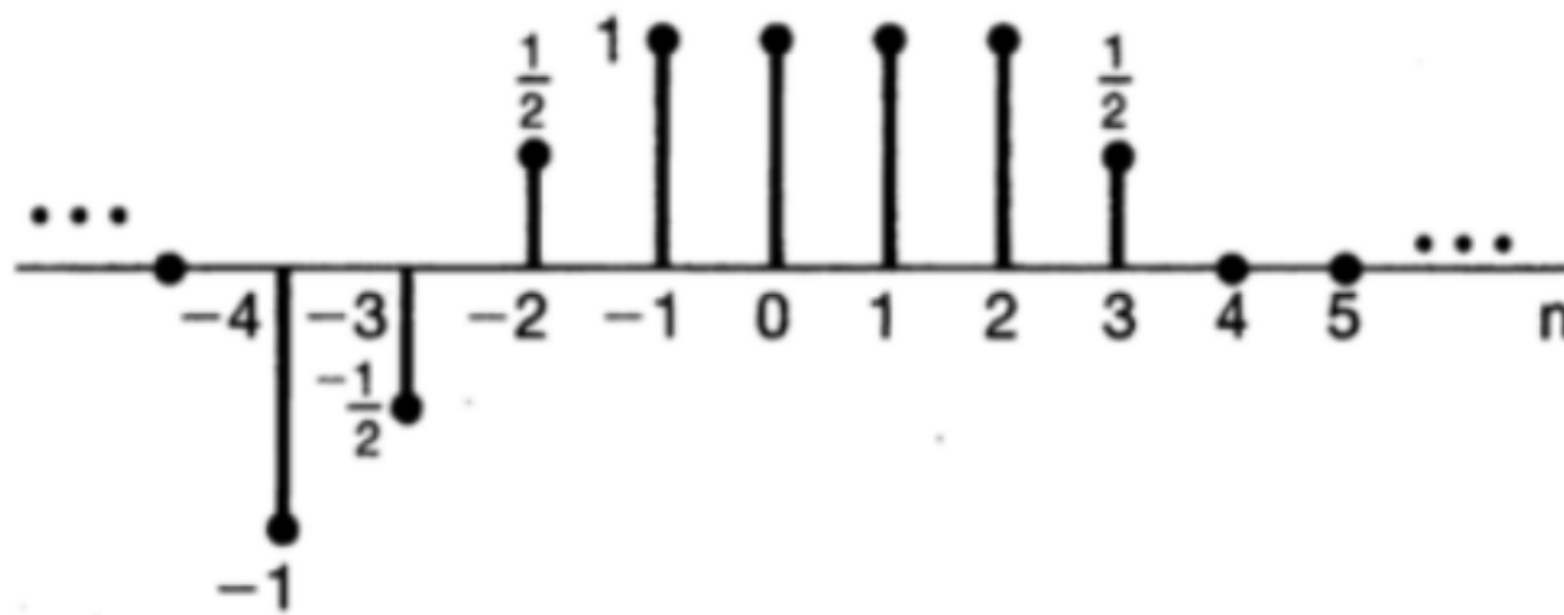


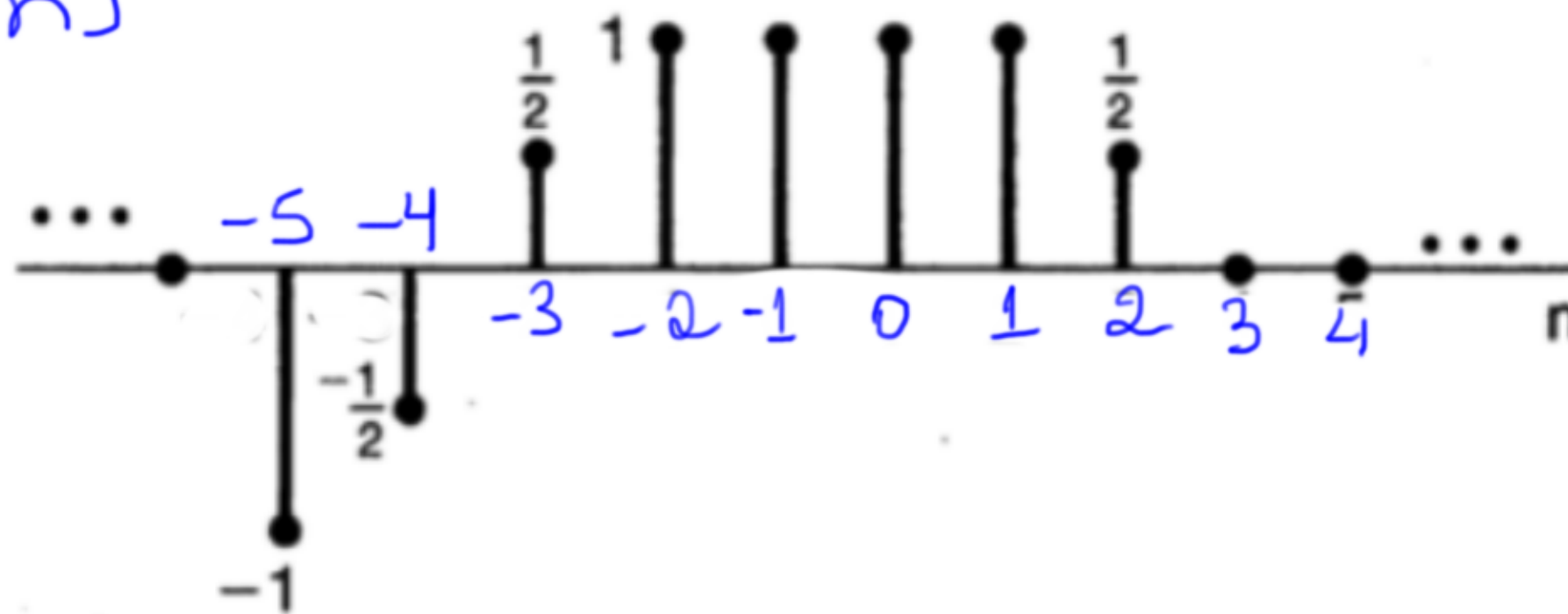
3)

Considere o sinal  $x[n]$  mostrado abaixo. Desenhe o sinal  $x[2n+1]$ . Explique seu raciocínio;



Começamos pelo deslocamento  $v[n] = x[n+1]$

$v[n]$



$$\begin{aligned} v[-1] &= x[0] \\ v[0] &= x[1] \\ v[1] &= x[2] \\ &\vdots \end{aligned}$$

Decimando por um fator de 2,

$$y[n] = v[2n] = x[2n+1]$$



$$\begin{aligned} y[-1] &= v[-2] \\ y[0] &= v[0] \\ y[1] &= v[2] \\ &\vdots \end{aligned}$$