

REVIEW PROBLEMS

Problem-1

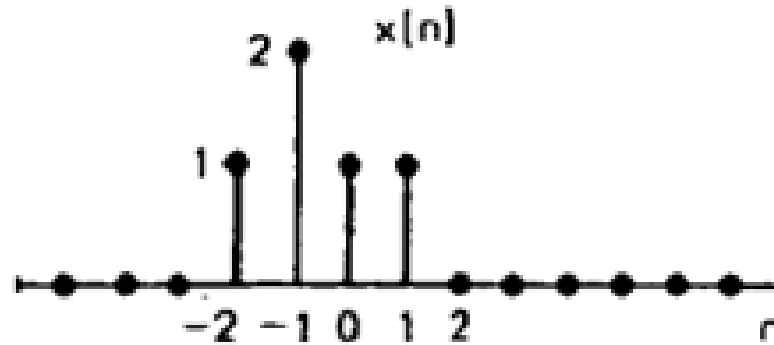
- The impulse response and the input to an LTI system are mentioned below. Find the output $y(t)$ of the system for the input $x(t)$.

$$x(t) = \begin{cases} 1, & 0 < t < T \\ 0, & \text{otherwise} \end{cases}$$

$$h(t) = \begin{cases} t, & 0 < t < 2T \\ 0, & \text{otherwise} \end{cases}$$

Problem-2

- Compute the convolution of the following pair of signals:



$h[n]$

