

EE 3900 - Assignment 3

VIBHAVASU

1 OPPENHIEM 2.29 A

Given Discrete time signal:

$$x[n] = \begin{cases} 1 & \text{if } -1 \leq x \leq 3 \\ \frac{1}{2} & \text{if } x = 4 \\ 0 & \text{everywhere else} \end{cases} \quad (1.1)$$

It is plotted in the following figure

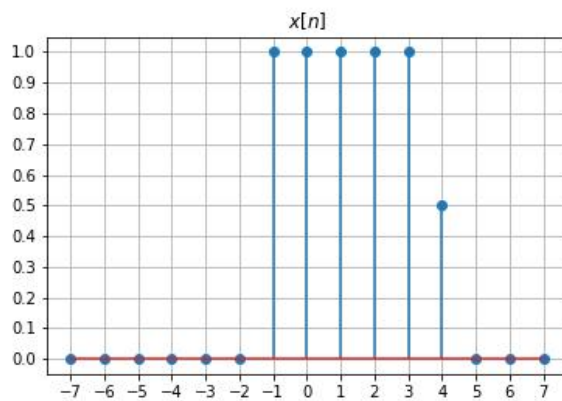


Fig. 0: fig:x[n]

$x[n - 2]$ is plotted in the following figures

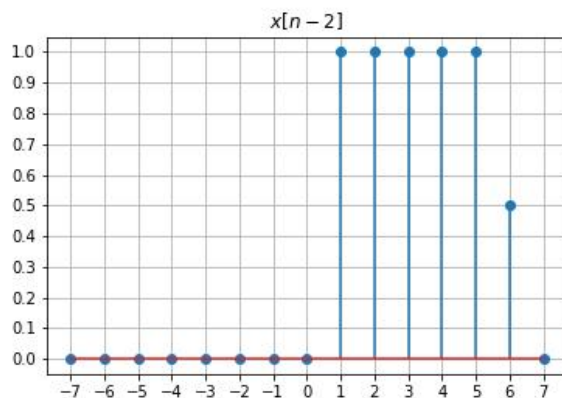


Fig. 0: fig:x[n - 2]

The code used for this exercise can found at:
`wget https://raw.githubusercontent.com/gadepall/EE1310/master/Assignment 3/a3.ipynb`