**数字信号处理-作业1**

**516021910700 郭远帆**

**2.35**

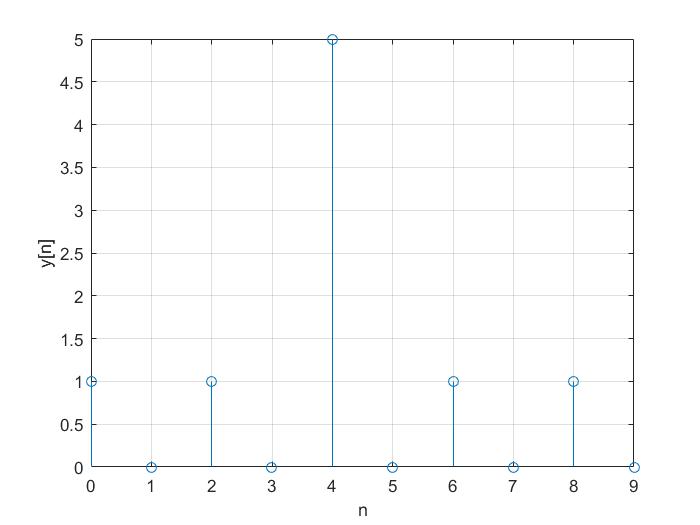
**(a)**

From Figure P2.35-1 and Figure P2.35-2, we have:

using discrete time convolution sum method

we have:

is shown in Figure 1



Figure

**(b)**

**(c)**

using shifting property of impulse function, we have: =

is shown in Figure 2

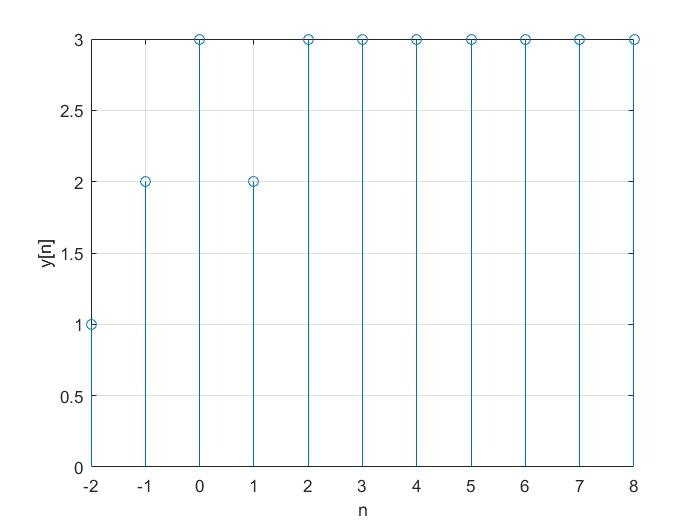


Figure 2