Expt 7: PROPERTIES OF DTFS: TIME SHIFTING

Verify Time shifting property for the sequence y[n] = x[n-2] where x[n] = [.... 9 18 27 36 45] (*Note: Boldface indicates n=0 index*).

Evaluate Fourier coefficients of (i) x[n] using DTFS and (ii) y[n] using time shifting property of DTFS.

Sketch the input sequence x[n], y[n] and Fourier coefficients of x[n] and y[n].