

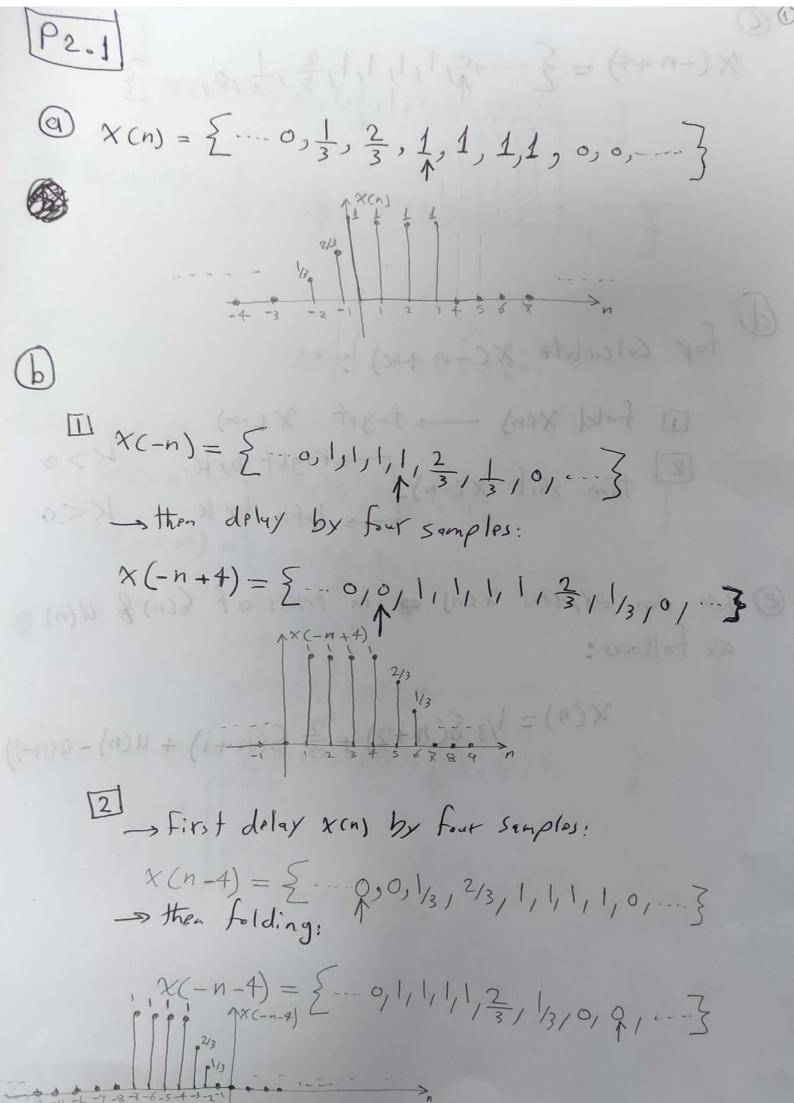
EE562 - Digital Signal Processing I Second Semester (212)

Homework Assignment 1

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$$(-n+4) = \begin{cases} 2 & -1 & 0 \\ 1 & 1 & 1 \\ 1 & 1 & 3 \end{cases}$$

$$(-n+4) = \begin{cases} 2 & 1 \\ 1 & 1 & 3 \\ 1 & 1 & 3 \end{cases}$$

$$(-n+4) = \begin{cases} 2 & 1 \\ 1 & 1 & 3 \\ 1 & 1 & 3 \end{cases}$$

$$X(n) = \frac{1}{3} \delta(n+2) + \frac{2}{3} \delta(n+1) + u(n) - u(n-4)$$

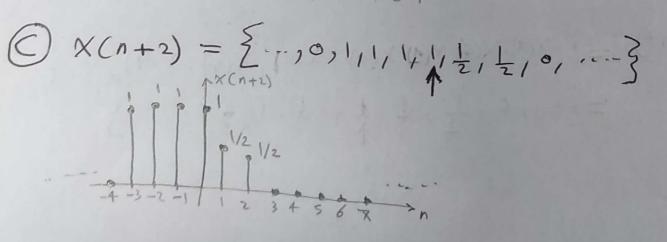
$$P2.2$$

$$X(n) = \{-,0,1,1,1,1/2,1/2,0,--\}$$

$$Q(x(n-2)) = \{-,0,1,1,1/2,1/2,0,--\}$$

$$\widehat{Q} \times (n-2) = \underbrace{\sum_{-1,0,0}^{-1,0,0} |||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1}^{1}||_{1$$

$$X(4-n) = \{-0, \frac{1}{2}, \frac{1}{$$



$$\begin{array}{lll}
X_{e}(n) &= & & & & & & & \\
X(n) &= & & & & & & \\
X(-n) &= & & & & & \\
X(-n) &= & & & & & \\
X(-n) &= & &$$

