Week 8

$$X_{1}[N] = \begin{bmatrix} 1 & 3 & 1 & 3 \end{bmatrix} \quad X_{1} \oplus_{A} X_{2} = \begin{bmatrix} 2 & 5 & 5 \\ 15 & 6 & 6 & 15 \end{bmatrix}.$$

$$X_{2}[M] = \begin{bmatrix} 2 & 2 & 5 & 5 \\ 2 & 1 & 5 & 6 \end{bmatrix}$$

$$X_{1}[N] = \begin{bmatrix} 1 & 3 & 1 & 3 \end{bmatrix} \circ \circ_{A} \text{ periodic}$$

$$X_{2}[M] = \begin{bmatrix} 2 & 2 & 5 & 5 \\ 2 & 1 & 5 & 6 \end{bmatrix}$$

$$X_{2}[M] = \begin{bmatrix} 2 & 2 & 5 & 5 \\ 2 & 1 & 5 & 6 \end{bmatrix}$$

$$X_{3}[M] = \begin{bmatrix} 2 & 2 & 5 & 5 \\ 2 & 1 & 5 & 6 \end{bmatrix}$$

$$X_{4}[M] = \begin{bmatrix} 2 & 2 & 5 & 5 \\ 2 & 1 & 5 & 6 \end{bmatrix}$$

$$X_{5}[M] = \begin{bmatrix} 2 & 2 & 5 & 5 \\ 2 & 1 & 5 & 6 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 2 & 5 & 5 & 0 & 0 \\ 0 & 6 & 6 & 15 & 15 & 0 \\ 0 & 0 & 2 & 2 & 5 & 5 \\ \hline 15 & 0 & 0 & 6 & 6 & 15 \\ \hline X_1 & \bigoplus_{k=1}^{n} X_2 & = 17 & P & 13 & 28 & 26 & 20 \end{bmatrix}$$

M N= \$ points

$$X_{k} = [21.0000 + 0.0000i, -3.0000 + 5.1962i], -3.0000 + 1.7321i, -3.0000 + 0.0000i, -3.0000 - 1.7321i, -3.0000 + 0.0000i$$

$$X_{k} = [21.0000 + 0.0000i, -3.0000 + 5.1962i]$$

$$X_{k} = [21.0000 + 0.0000i, -3.0000 + 5.1962i]$$

$$X_{k} = [21.0000 + 0.0000i, -3.0000 + 1.7321i, -3.0000 + 0.0000i$$

$$X_{k} = [21.0000 + 0.0000i, -3.0000 + 1.7321i, -3.0000 + 0.0000i$$

$$X_{k} = [21.0000 + 0.0000i, -3.0000 + 0.0000i]$$

$$X_{k} = [21.0000 + 0.0000i, -3.0000]$$

$$X_{k} = [21.00$$

$$= \frac{1}{6} \cdot 2I + \frac{1}{1} \left( \begin{array}{c} X_{1} & e \\ + X_{2} \cdot e \\ + X_{3} \cdot e \\ \end{array} \right) \begin{array}{c} X_{1} = 6 \\ X_{2} = -3 + 0.002 \\ \end{array} \begin{array}{c} X_{1} = 6 \\ X_{2} = -3 + 0.002 \\ \end{array} \begin{array}{c} X_{1} = 6 \\ \end{array} \begin{array}{c} X_{2} = -3 + 0.002 \\ \end{array} \begin{array}{c} X_{1} = -3 + 0.002 \\ \end{array} \begin{array}{c} X_{2} = -3 + 0.002 \\ \end{array} \begin{array}{c} X_{1} = -3 + 0.002 \\ \end{array} \begin{array}{c} X_{2} = -3 + 0$$

$$X[m] = \frac{1}{6} \cdot 21 + \frac{1}{6} \frac{1}{16} \cdot 2 \cdot 21 + \frac{1}{6} \frac{1}{16} \cdot 21 + \frac{1}{6} \frac{1}{1$$

$$\times [N] = \frac{1}{N} \cdot \times + \frac{1}{N} \cdot \frac{$$