Q9

Step 1 
$$N_2-1$$
  
 $X[K_1, K_2] = \sum_{n_2=0}^{N_2-1} W_{n_2}^{n_2} \left( \sum_{n_1=0}^{N_1-1} \times [n_1, n_2] W_{N_1}^{n_1 K_1} \right)$ 

For 
$$K_1=0$$
,  $K_2=0 \rightarrow K=0$ 

$$N_1 = 5 , N = 3$$

$$K_1 = 0$$
,  $K_2 = 0$   $\times$   $IOJ = W_3^{n_2 K_2} \left( \sum_{n_1 = 0}^{4} \times In_1, n_2 = 0J \right) + \sum_{n_1 = 0}^{4} \left( \sum_{n_2 = 0}^{4} \times In_2 \right) \left( \sum_{n_3 = 0}^{4} \times In_3 \right) \left( \sum_{n_4 = 0}^{4} \times In_4 \right)$ 

$$W_3^{n_2 K_2} \left( \sum_{n_1=0}^{4} \times [n_1, n_2 = 1] \right) + \dots$$

$$V_{3}^{n_{2}K_{2}} \left( \sum_{n_{i}=0}^{4} \times [n_{i}, n_{2}=2] \right)$$

$$\times [0] \rightarrow n_2 = 0 \rightarrow K_2 = 0 \rightarrow K_2 = 0 \rightarrow \times [0]$$

$$\times [5] \rightarrow n_2 = 1$$
  $\longrightarrow W_3^{n_2 k_2} \rightarrow k_1 = 0 \rightarrow k_2 = 1 \rightarrow \times [10]$ 

$$\times [10] \rightarrow u_2 = 2 \rightarrow W_3^{n_2 k_1} \rightarrow k_1 = 2 \rightarrow \times [5]$$