leve 1 Example 1.8

Q
$$x(k-1) \ge \begin{bmatrix} 0 & 1 \\ -2 & -3 \end{bmatrix} \times (k) + \begin{bmatrix} 0 & 1 \\ 1 & 1 \end{bmatrix} \times (k)$$

Q(k) = [3 | J $\times (k)$
 $x(0) = \begin{bmatrix} 0 & 1 \\ 0 & 1 \end{bmatrix}$
 $x(k) = \begin{bmatrix} 0 & 1 \\ 0 & 1 \end{bmatrix}$

Solution
$$\alpha(k) = A^{k} \alpha(0) + \sum_{i=0}^{k-1} (A^{(k-i-1)} B u(i))$$

$$= \begin{bmatrix} 0 & 1 \\ 2 & -3 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \end{bmatrix} + \sum_{i=0}^{k-1} (A^{(k-i-1)} B u(i))$$

$$= \sum_{i=0}^{k-1} (A^{(k-i-1)} B)$$

$$= \sum_$$