$$\begin{array}{lll}
X = \begin{bmatrix} 3 \\ 3 \end{bmatrix} \\
X(K+1) = \begin{bmatrix} 1 \\ 0 \end{bmatrix} \times (K) + \begin{bmatrix} 1^{2}/2 \end{bmatrix} \times (K), & K = 0, 1, \dots 9 \\
\times (0) = \begin{bmatrix} 0 \\ 10 \end{bmatrix} \\
E[V(K)^{2}] = 9 \\
E[V(K)^{2}] = 1 \\
E[W(K)^{2}] = 1 \\
E[W(K)^{2}] = 1
\end{array}$$

$$\omega(k) = \phi(k) + C, \quad \overline{\phi}(k) = 0, \quad \mathcal{E}[\phi(k)] = \sqrt{-1}$$

$$\begin{array}{ll}
X = \begin{bmatrix} 3 \\ 6 \\ 8 \\ C \end{bmatrix} & F & F \\
X(k+1) = \begin{bmatrix} 1 & T & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} & X(k) + \begin{bmatrix} T^2/27 & V(k) \\ T & 0 \\ 0 & 0 & 1 \end{bmatrix} \\
\frac{2}{k} = \begin{bmatrix} 1 & 0 & 1 \end{bmatrix} & X(k) + \varphi(k)
\end{array}$$