$$A = V \Lambda V^{T}$$

$$(i) \longrightarrow \overrightarrow{x}[t+1] = \overrightarrow{h}(t+1) + \overrightarrow{u}, \quad \overrightarrow{y}[t+1] = \overrightarrow{h}(t+1)$$

$$u(n) = \overrightarrow{b}(y(n), \quad y(n))$$

$$u(n) = \overrightarrow{a}(y(n), \quad y(n))$$

$$\overrightarrow{\lambda}[t+1] = (A + K \overrightarrow{\lambda}_{t} \overrightarrow{\lambda}_{t}) \overrightarrow{\lambda}[t+1)$$

$$\overrightarrow{\lambda}[t+1] = (A + K \overrightarrow{\lambda}_{t} \overrightarrow{\lambda}_{t}) \overrightarrow{\lambda}[t+1]$$

Minimize · X[N]
"X[n] =
$$\sum_{i=1}^{n} A^{i} \times [0] + \sum_{i=1}^{n} A^{i} \cup [i]$$

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$$\begin{bmatrix}
3 \\
1 \\
1 \\
1
\end{bmatrix}$$

$$\begin{bmatrix}
3 \\
1 \\
1 \\
1
\end{bmatrix}$$