State Jace Agresortion of Electrical Network

$$V_{\varepsilon}(H) = L \frac{di_{\varepsilon}(H)}{dt} = \frac{1}{L}V_{\varepsilon}(H)$$

$$V_{\varepsilon}(H) = \frac{1}{C} \int_{0}^{+} i_{\varepsilon}(u) du$$

$$\frac{dV_{\varepsilon}(H)}{dt} = \frac{1}{C} i_{\varepsilon}(H)$$

The variables: Volt), in (4)

Input variable: V(4)
comput variable: (p(4)

-) out h with die(+)/dt and de(+)/dt in ten, of state varables.

$$A = \begin{bmatrix} -\frac{1}{nc} & \frac{1}{L} \\ -\frac{1}{L} & 0 \end{bmatrix}$$