

$$\underbrace{\begin{bmatrix} y_1 & 1 & 1 \\ \frac{1}{\sqrt{2}} & y_2 & 1 \\ 1 & 1 & y_3 \end{bmatrix}}_{Y(s)} \underbrace{\begin{bmatrix} v_1 \\ v_2 \\ v_3 \end{bmatrix}}_{V(s)} = 0 \quad (3.1)$$