

9.2

$$U = y$$

$$\begin{bmatrix} v_1 & c_1 & 0 \\ 0 & v_2 & c_2 \\ 0 & 0 & v_3 \end{bmatrix} \begin{bmatrix} u_1 \\ u_2 \\ u_3 \end{bmatrix} = \begin{bmatrix} y_1 \\ y_2 \\ y_3 \end{bmatrix}$$

$$v_3 u_3 = y_3$$

$$v_2 u_2 + c_2 u_3 = y_2$$

$$v_1 u_1 + c_1 u_2 = y_1$$

$$u_3 = \frac{y_3}{v_3}$$

$$u_2 = \frac{1}{v_2} (y_2 - c_2 u_3)$$

$$u_1 = \frac{1}{v_1} (y_1 - c_1 u_2)$$

} $n=3$,
3 DIVIDES,
2 MULT.'S,
2 SUB.'S

NOT DIFFICULT TAKE THE SAME...