$$\gamma = \begin{pmatrix} \dot{x} \end{pmatrix}$$

$$\begin{pmatrix} x_n \\ \dot{x}_n \end{pmatrix} = y_n$$

$$(st) y_{n+1} = (st) y_n$$

$$-\left(\begin{array}{c} 1 \\ 1 \\ 1 \end{array}\right) \left(\begin{array}{c} 1 \\ 1 \\ 1 \end{array}\right) = \left(\begin{array}{c} 1 \\ 1 \\ 1 \end{array}\right)$$

$$= > y_{n+n} = \begin{pmatrix} 1 & 0 \\ -86 & 1 \end{pmatrix} \begin{pmatrix} 1 & 86 \\ 0 & 1 \end{pmatrix} y_n$$

$$\begin{vmatrix} 1-3 & 8t \\ -8t & -5t^2+1-2 \end{vmatrix} = \mathcal{X}(\lambda)$$

$$= 1 + (8t^2 - 2) A$$

$$= \lambda + (8t^{2} - 2) \lambda$$

$$= \lambda_{1/2} = \frac{8t^{2} - 2}{2} \pm \sqrt{\left(\frac{8t^{2} - 2}{2}\right)^{2} + \lambda}$$