2.4)
$$\hat{x} = \begin{pmatrix} A & A \\ 2 & A \end{pmatrix} \hat{x} + \begin{pmatrix} A & A \\ 0 \end{pmatrix} A$$
, $\hat{x} = \begin{pmatrix} A & A \\ 0 \end{pmatrix} \hat{x} + \begin{pmatrix} A & A$

$$\frac{1}{2} \frac{1}{(s+n)^2+t^2} = \frac{1}{2} e^{-\frac{t}{s}} \sin(2t) = y(t)$$

$$\frac{1}{4} \cdot \frac{1}{2} \sin(3) = \frac{s-1}{(s+n)^2+t_1}$$

$$\frac{1}{2} \cdot \frac{1}{(s+n)^2+t_2} = \frac{1}{2} \sin(2t)$$

$$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2} \cos(2t)$$

$$\frac{1}{2} \cdot \frac{1}$$