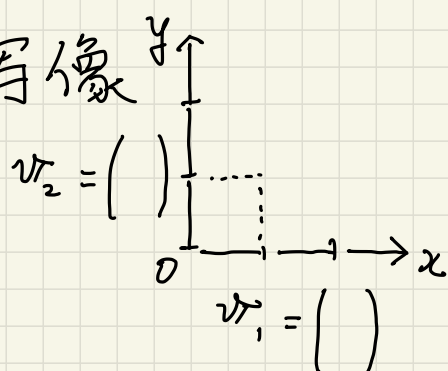
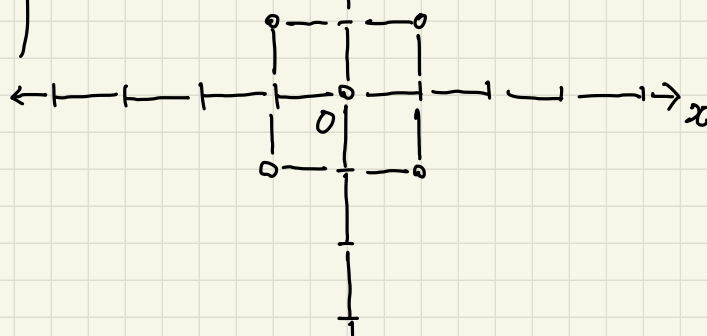
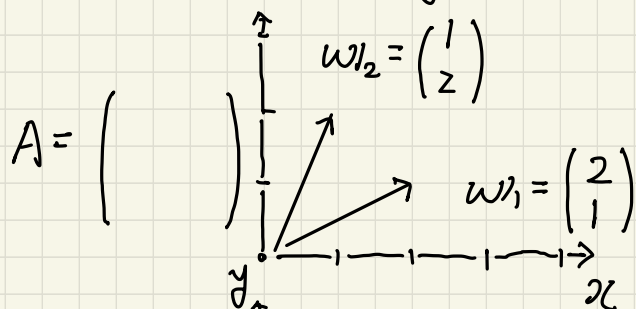
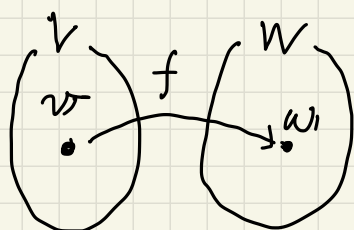


// 線形代数 演習-IV by 南学.西谷

写像



$$\begin{pmatrix} a & b \\ c & d \end{pmatrix} \begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} \quad \\ \quad \end{pmatrix}$$



固有値 (Eigen Value)

固有ベクトル (Eigen Vector)

$$Av = \lambda v$$

$$|A - \lambda E|$$

$$= \left| \begin{pmatrix} 2 & 1 \\ 1 & 2 \end{pmatrix} - \lambda \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \right|$$

$$\lambda_1 =$$

$$\lambda_2 =$$

$$v_1 = \begin{pmatrix} \quad \\ \quad \end{pmatrix}$$

$$v_2 = \begin{pmatrix} \quad \\ \quad \end{pmatrix}$$

$$\lambda = \quad, \quad$$

検算?