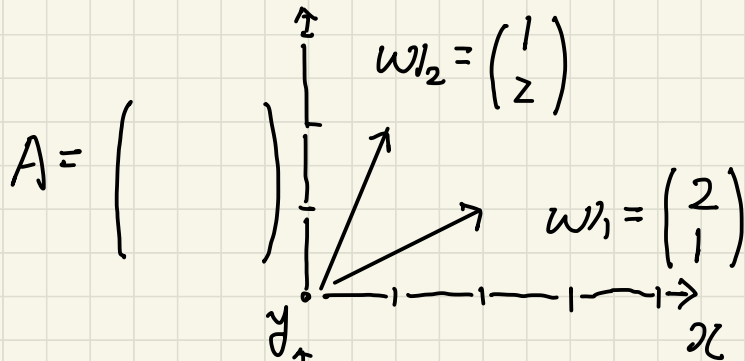
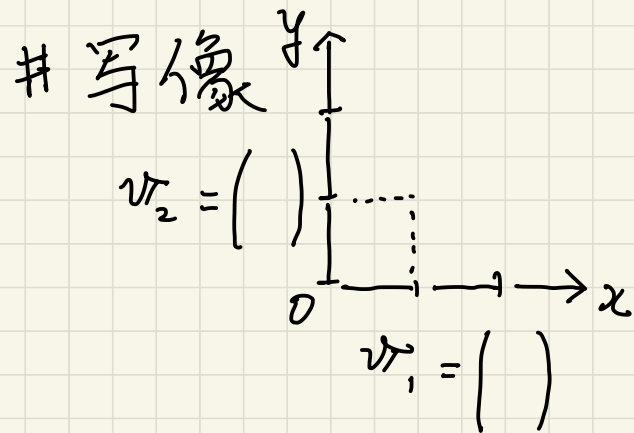
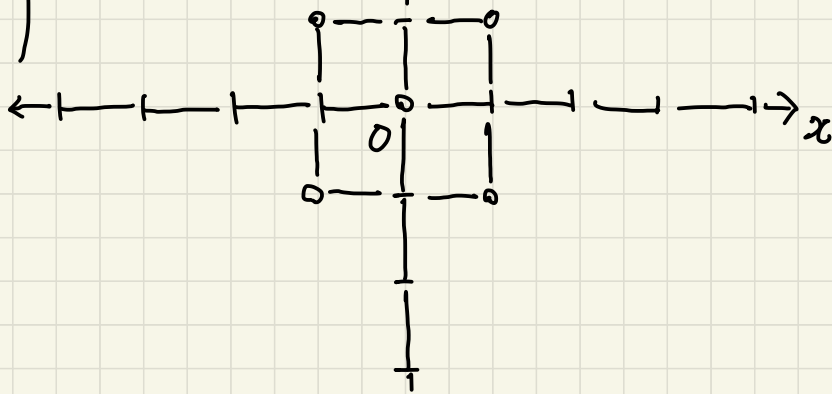
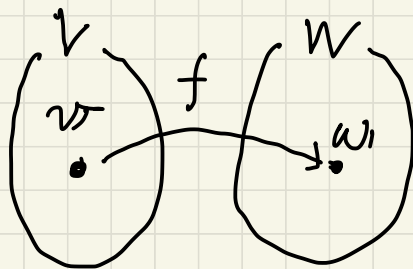


# 24/5/17 線形代数 演習-IV by 南学.西谷



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



# 固有値 (Eigen Value)

$$A v = \lambda v$$

$$|A - \lambda E|$$

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

$$\lambda = 1, 1$$

# 固有ベクトル (Eigen Vector)

$$\lambda_1 =$$

$$\lambda_2 =$$

⋮

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

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

検算?