λ	4	1	0
(m_a)	2	1	2
basis for E_λ	$\begin{pmatrix} 0 \\ 0 \\ -\frac{4}{3} \\ 1 \\ 0 \end{pmatrix}, \begin{pmatrix} \frac{3}{4} \\ 0 \\ 0 \\ 0 \\ 1 \end{pmatrix}$	$\begin{pmatrix} -\frac{4}{3} \\ 0 \\ 0 \\ 0 \\ 1 \end{pmatrix}$	$\begin{pmatrix} 0 \\ 1 \\ 0 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} 0 \\ 0 \\ \frac{3}{4} \\ 1 \\ 0 \end{pmatrix}$
orthonormal basis for E_λ	$\begin{pmatrix} 0 \\ 0 \\ -\frac{4}{5} \\ \frac{3}{5} \\ 0 \end{pmatrix}, \begin{pmatrix} \frac{3}{5} \\ 0 \\ 0 \\ 0 \\ \frac{4}{5} \end{pmatrix}$	$\begin{pmatrix} -\frac{4}{5} \\ 0 \\ 0 \\ 0 \\ \frac{3}{5} \end{pmatrix}$	$\begin{pmatrix} 0 \\ 1 \\ 0 \\ 0 \\ 0 \end{pmatrix}, \begin{pmatrix} 0 \\ 0 \\ \frac{3}{5} \\ \frac{4}{5} \\ 0 \end{pmatrix}$
$\Lambda =$	$\begin{pmatrix} 4 & 0 & 0 & 0 & 0 \\ 0 & 4 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$		
$V =$	$\begin{pmatrix} 0 & \frac{3}{5} & -\frac{4}{5} & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ -\frac{4}{5} & 0 & 0 & 0 & \frac{3}{5} \\ \frac{3}{5} & 0 & 0 & 0 & \frac{4}{5} \\ 0 & \frac{4}{5} & \frac{3}{5} & 0 & 0 \end{pmatrix}$		