제 48 상 기지 변환나 대상화 Thm. E= { e1, e2, ..., en} , B= { V1, V2, ..., Vn} $\vec{a} = (a_1, a_2, \dots, a_n) = (x_1, x_2, \dots, x_n)_{B}$ $= (y_1, y_2, \dots, y_n)_{B'}$ $= (y_1, y_2, \dots, y_n)_{B'}$ $\vec{a}_1 = \vec{b} = \vec{b}$ $\vec{a}_1 = \vec{b} = \vec{b}$ $\vec{a}_1 = \vec{b} = \vec{b}$ $\vec{a}_1 = \vec{b} = \vec{b}$ 3 = V1/V2/... Vn/ | V1/2... Vn | : [10] [2] = [1x] => 考章 ソラでま 合かまと 03] [9] = [39] 世東と でけるがごってい。 $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} = A, \qquad \lambda_1 = \frac{5 + \sqrt{33}}{2}, \qquad (\sqrt{1}) = \left(\frac{-3 + \sqrt{33}}{6}, 1 \right)$ $\lambda_2 = \frac{5 - \sqrt{33}}{2}, \qquad (\sqrt{2}) = \left(\frac{-3 - \sqrt{33}}{6}, 1 \right)$ B= $\underbrace{\{v_1, v_2\}}_{\text{O}}$ $\underbrace{\{\lambda_1, 0\}}_{\text{O}} = A'$ $\underbrace{\{(1, 1)_B = v_1 + v_2\}}_{\text{O}}$ $\underbrace{\{(\lambda_1, \lambda_2)_B\}}_{\text{O}}$ $\underbrace{\{\lambda_1, 0\}}_{\text{O}} = A'$ $\underbrace{\{(1, 1)_B = v_1 + v_2\}}_{\text{O}}$ $\underbrace{\{(\lambda_1, \lambda_2)_B\}}_{\text{O}}$ $A' \underset{R}{\swarrow} : R^2 \rightarrow R^2$ $\begin{bmatrix} a_1 \\ a_2 \end{bmatrix} = \begin{bmatrix} v_1 & v_2 \end{bmatrix} \begin{bmatrix} b_1 \\ b_2 \end{bmatrix} \begin{bmatrix} v_1 & v_2 \end{bmatrix} \begin{bmatrix} a_1 \\ a_2 \end{bmatrix}$

