

$$V^* \xlongequal{\hspace{1cm}} V^*$$

$$K^{n+1} \xrightarrow[a \mapsto Ta]{} K^{n+1}$$

$$x_j = \sum_{i=0}^n t_{ij} y_i$$

$$\mathbf{e}_j \xrightarrow{\hspace{1cm}} T\mathbf{e}_j$$