

$$\begin{array}{ccc}
 V & \xrightarrow{T} & W \\
 \updownarrow [\]_B & & \updownarrow [\]_{B'} \\
 \mathbb{R}^n & \xrightarrow{[T]_{B'}^B} & \mathbb{R}^m
 \end{array}$$