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