$$
\begin{array}{ccccc}
\overline{F}X & \xdashrightarrow{\ \overline{F}\mathsf{tr}(c)\ } & \overline{F}A & \xdashleftarrow{\ \overline{F}\mathsf{tr}(d)\ } & \overline{F}Y \\[2mm]
\big\uparrow{\scriptstyle c} & = & \big\uparrow{\scriptstyle J\iota^{-1}} & = & \big\uparrow{\scriptstyle d} \\[2mm]
X & \xdashrightarrow{\ \mathsf{tr}(c)\ } & A & \xdashleftarrow{\ \mathsf{tr}(d)\ } & Y \\
\end{array}
$$

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