$$\overline{F}X \xrightarrow{\quad \overline{F}\mathsf{tr}(c) \quad} \overline{F}A \xleftarrow{\quad \overline{F}\mathsf{tr}(d) \quad} \overline{F}Y$$

$$\Big\uparrow c \qquad = \qquad \Big\uparrow J\iota^{-1} \qquad = \qquad \Big\uparrow d$$

$$X \xrightarrow{\quad \mathsf{tr}(c) \quad} A \xleftarrow{\quad \mathsf{tr}(d) \quad} Y$$

$$\sqsubseteq$$

$$s \qquad\qquad 1 \qquad\qquad t$$