

$$\begin{array}{ccc}
& \text{pr}_! \circ (t,s)^* \circ F_{J \times L \times K^{\text{op}} \times K} & \\
& \Downarrow \wr & \\
\mathbf{D}(J \times K \times K^{\text{op}}) & \xrightarrow{\text{pr}_! \circ F_{J \times L \times \text{Tw}(K)} \circ (t,s)^*} & \mathbf{D}'(J) \\
& \Downarrow & \\
& F_{J \times L} \circ \text{pr}_! \circ (t,s)^* &
\end{array}$$

A commutative diagram with  $\mathbf{D}(J \times K \times K^{\text{op}})$  on the left and  $\mathbf{D}'(J)$  on the right. A horizontal arrow connects them, labeled  $\text{pr}_! \circ F_{J \times L \times \text{Tw}(K)} \circ (t,s)^*$ . Two curved arrows also connect them: one above the horizontal arrow and one below. A double-lined arrow points down from the top curved arrow, labeled  $\wr$ . Another double-lined arrow points down from the bottom curved arrow. The label  $\text{pr}_! \circ (t,s)^* \circ F_{J \times L \times K^{\text{op}} \times K}$  is positioned above the top curved arrow, and the label  $F_{J \times L} \circ \text{pr}_! \circ (t,s)^*$  is positioned below the bottom curved arrow.