

$$\begin{array}{ccc}
M_s \times_t M_s \times_t M & \xrightarrow{1 \times c} & M_s \times_t M \\
\downarrow c \times 1 & \circlearrowleft & \downarrow c \\
M_s \times_t M & \xrightarrow{c} & M
\end{array}$$