

$$\begin{array}{c}
 C \xlongequal{\quad} C \\
 \rho^{-1} \downarrow \qquad \qquad \qquad \uparrow \lambda \\
 C \diamond I \xrightarrow{\eta} C \diamond (C^* \diamond C) \xrightarrow{\alpha} (C \diamond C^*) \diamond C \xrightarrow{\epsilon} I \diamond C
 \end{array}
 \qquad
 \begin{array}{c}
 C^* \xlongequal{\quad} C^* \\
 \lambda^{-1} \downarrow \qquad \qquad \qquad \uparrow \rho \\
 I \diamond C^* \xrightarrow{\eta} (C^* \diamond C) \diamond C^* \xrightarrow{\alpha} C \diamond (C \diamond C^*) \xrightarrow{\epsilon} C^* \diamond I
 \end{array}$$