

$$1 \otimes c \xrightarrow{\text{br}_{1,c}} c \otimes 1$$

$$\text{lu}_c \searrow$$

$$c$$

$$\swarrow \text{ru}_c$$

$$c \otimes d \xrightarrow{\text{br}_{c,d}} d \otimes c$$

$$\parallel \searrow$$

$$c \otimes d$$

$$\swarrow \text{br}_{d,c}$$