

$$\begin{array}{c}
 \text{id}_Y \otimes \text{coev}_X \\
 \xrightarrow{\quad} \\
 Y \otimes X \otimes X \quad \vee \\
 \xrightarrow{\quad} \\
 Z \otimes X \otimes X \quad \vee \\
 \xrightarrow{\quad} \\
 Z \otimes X \otimes X \quad \vee \\
 \xrightarrow{\quad} \\
 Z \otimes X \otimes X \quad \vee \\
 \xrightarrow{\quad} \\
 Z
 \end{array}$$

Diagram illustrating a sequence of transformations in a monoidal category, involving objects  $Y$ ,  $X$ , and  $Z$ , and morphisms  $\text{id}$ ,  $\text{coev}$ ,  $f$ ,  $\text{br}$ , and  $\text{ev}$ .

The sequence of transformations is as follows:

- $\text{id}_Y \otimes \text{coev}_X$
- $f \otimes \text{id}_X$
- $\text{id}_Z \otimes \text{br}$
- $\text{id}_Z \otimes \text{ev}_X$

The objects  $Y$ ,  $X$ , and  $Z$  are represented by red text, and the morphisms  $\text{id}$ ,  $\text{coev}$ ,  $f$ ,  $\text{br}$ , and  $\text{ev}$  are represented by blue text. The tensor product  $\otimes$  is represented by a blue symbol. The composition is indicated by blue arrows.