Let $(C, \otimes, 1, br)$ be a symmetric monoidal category. Let $X \in Ob_C$ be dualiz-



















Definition (Trace of a generalized endomorphism)

 $\operatorname{id}_{Y} \otimes \operatorname{coev}_{X} \times X \otimes X^{\vee} \xrightarrow{f \otimes \operatorname{id}_{X^{\vee}}} Z \otimes X \otimes X^{\vee} \xrightarrow{\operatorname{id}_{Z} \otimes \operatorname{br}} Z \otimes X^{\vee} \otimes X \xrightarrow{\operatorname{id}_{Z} \otimes \operatorname{ev}_{X}} Z$