Definition. Let $\langle \mathbf{C}, \boldsymbol{\otimes}, \mathbf{un} \rangle$ be a strict monoidal category. Its associated operad $\mathcal{O}_{\mathbf{C}}$ has:

1. *Objects*: $\mathsf{Ob}_{\mathcal{O}_{\mathbf{C}}} = \mathsf{Ob}_{\mathbf{C}}$;

2. Morphisms: $\operatorname{Hom}_{\mathcal{O}_{\mathbf{C}}}([X_1, ..., X_n]; Y) = \operatorname{Hom}_{\mathbf{C}}(X_1 \otimes ... \otimes X_n; Y);$

3. *Identity morphism*: $Id_X \in Hom_{\mathcal{O}_{\mathbf{C}}}([X];X) = Id_X \in Hom_{\mathbf{C}}(X;X);$

4. Composition of morphisms: