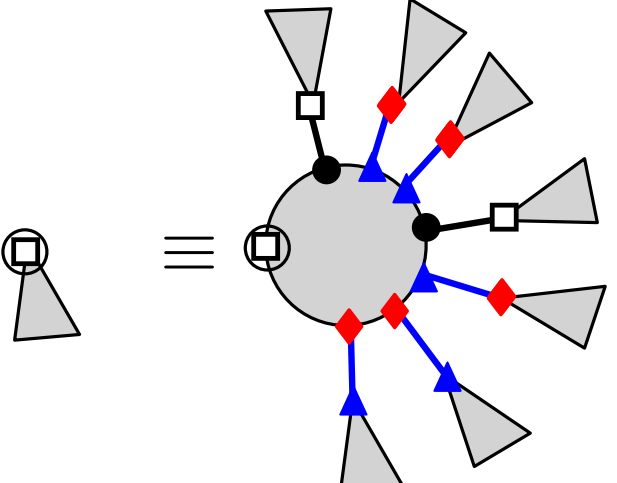
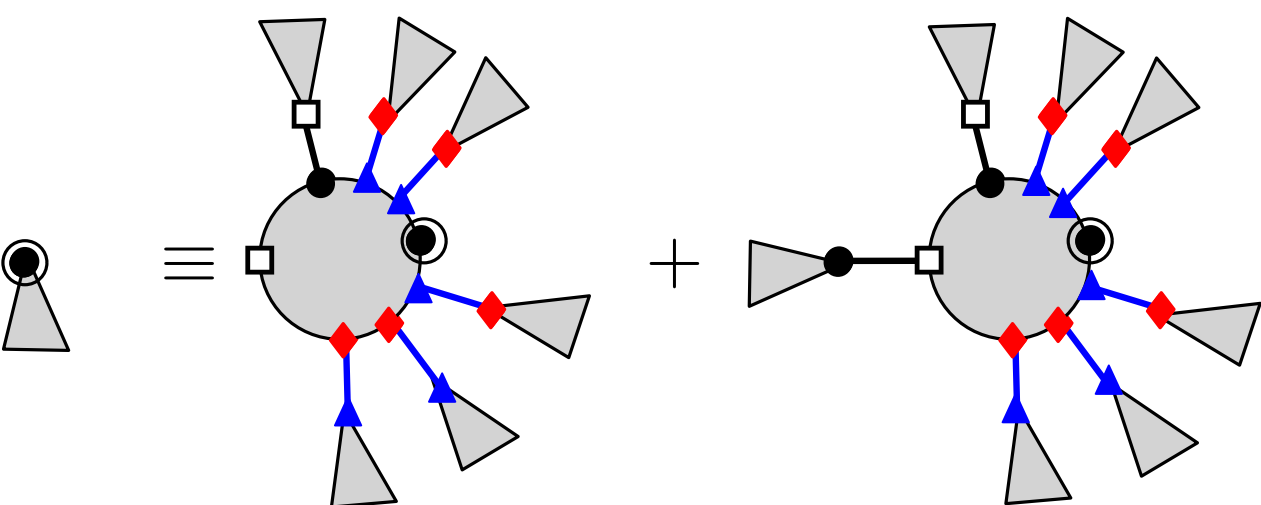




$$C_{\square} = Q(\bullet \text{---} C_{\square}, \color{red}\blacklozenge \text{---} C_{\blacktriangle}, \color{blue}\blacktriangle \text{---} C_{\color{red}\blacklozenge}) \quad Q = \left\{ \text{circle with } \square, \color{red}\blacklozenge, \color{blue}\blacktriangle \text{ on boundary}, \dots \right\}$$

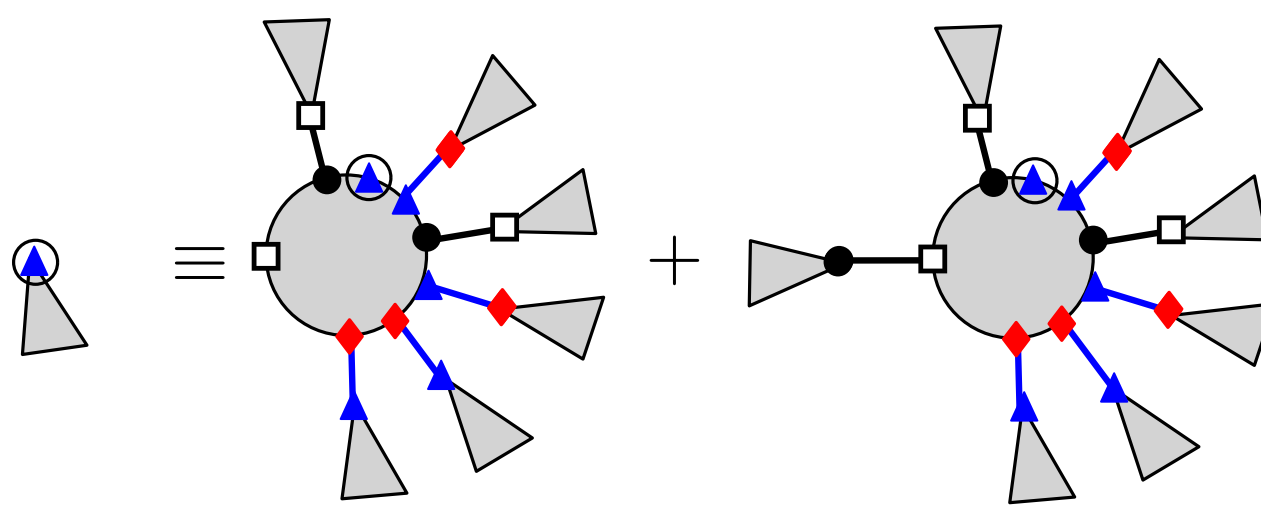
$$Q = \sum_{s \in Q} v^{|s|_{\bullet}} w^{|s|_{\color{red}\blacklozenge}} u^{|s|_{\color{blue}\blacktriangle}} = v^2 w^2 u^3 + \dots$$



$$C_{\bullet} = (\square + \square \text{---} C_{\bullet}) \times Q'_{\bullet}(\bullet \text{---} C_{\square}, \color{red}\blacklozenge \text{---} C_{\blacktriangle}, \color{blue}\blacktriangle \text{---} C_{\color{red}\blacklozenge})$$

$$Q'_{\bullet} = \left\{ \text{circle with } \square, \color{red}\blacklozenge, \color{blue}\blacktriangle \text{ on boundary and a dot on boundary}, \dots \right\}$$

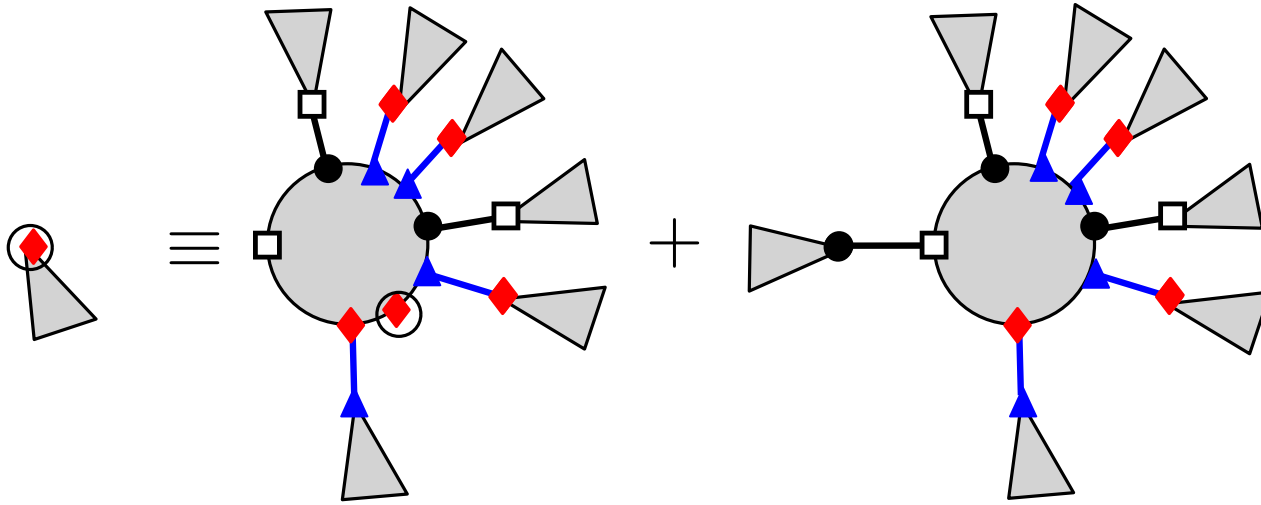
$$Q'_{\bullet} = Q'_v = 2vw^2u^3 + \dots$$



$$C_{\blacktriangle} = (\square + \square \text{---} C_{\bullet}) \times Q'_{\blacktriangle}(\bullet \text{---} C_{\square}, \color{red}\blacklozenge \text{---} C_{\blacktriangle}, \color{blue}\blacktriangle \text{---} C_{\color{red}\blacklozenge})$$

$$Q'_{\blacktriangle} = \left\{ \text{circle with } \square, \color{red}\blacklozenge, \color{blue}\blacktriangle \text{ on boundary and a black triangle on boundary}, \dots \right\}$$

$$Q'_{\blacktriangle} = Q'_u = 3v^2w^2u^2 + \dots$$



$$C_{\color{red}\blacklozenge} = (\square + \square \text{---} C_{\bullet}) \times Q'_{\color{red}\blacklozenge}(\bullet \text{---} C_{\square}, \color{red}\blacklozenge \text{---} C_{\blacktriangle}, \color{blue}\blacktriangle \text{---} C_{\color{red}\blacklozenge})$$

$$Q'_{\color{red}\blacklozenge} = \left\{ \text{circle with } \square, \color{red}\blacklozenge, \color{blue}\blacktriangle \text{ on boundary and a red diamond on boundary}, \dots \right\}$$

$$Q'_{\color{red}\blacklozenge} = Q'_w = 2v^2wu^3 + \dots$$