$$V_{\mathcal{L}} \xrightarrow{\text{Id}} MC \xrightarrow{\hat{i}_{\mathcal{L}}} MC \xrightarrow{\hat{i}_{\mathcal{V}}} MC \xrightarrow{\hat{i}_{\mathcal{V}}} MC \xrightarrow{\hat{i}_{\mathcal{V}}} \oplus \cdots \xrightarrow{\hat{i}_{\mathcal{V}}} \hat{i}_{\mathcal{V}}$$

$$i_{\mathcal{H}_1} \xrightarrow{\hat{i}_{\mathcal{H}_1}} MC \xrightarrow{\hat{i}_{\mathcal{V}}} MC \xrightarrow{\hat{i}_{\mathcal{V}}} MC \xrightarrow{\hat{i}_{\mathcal{V}}} MC$$