

$$(iv) \quad C_{\underline{v}} y^* f_{\underline{y}}^r = y^* C_{y+\underline{v}} f_{\underline{y}}^r, \text{ where } \underline{v}(x) \in \mathcal{D}_{\underline{x}}^1.$$

$$(v) \quad L_{\underline{v}} y^* f_{\underline{y}}^r = y^* L_{y+\underline{v}} f_{\underline{y}}^r, \text{ where } \underline{v}(x) \in \mathcal{D}_{\underline{x}}^1.$$

(vi) If  $y: \mathcal{X}_m \rightarrow \mathcal{Y}_m$  and  $z: \mathcal{Y}_k \rightarrow \mathcal{Z}_t$ , then

$$(z \circ y)^* = y^* \circ z^*.$$