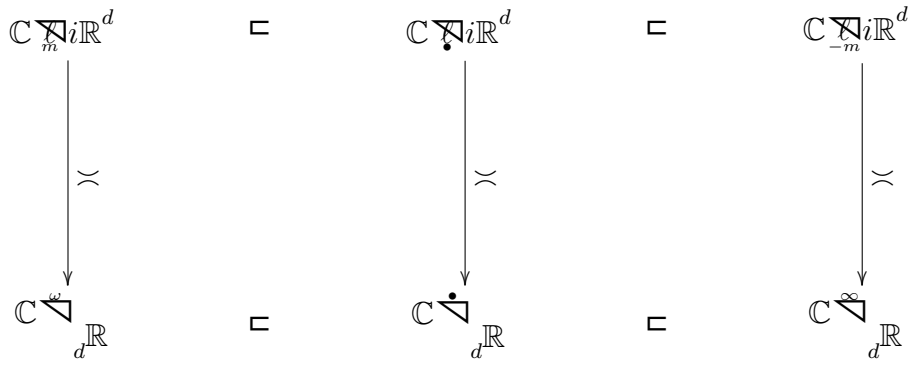

$$\widetilde{{}^{\sharp}_{\sharp}\varphi E}^{\sharp}_{\alpha} = \int_{ds}^{{}^{i\mathbb{R}^d}} {}^{s}_{\sharp}\varphi \; {}^{s}E \; \bar{s}_{\alpha}$$