$$\delta_{\lambda\mu}\underbrace{d\,\delta_{\mu\nu}+\bar{\partial}_{\mu\nu}}=\delta_{\lambda\nu}\left(\bar{\partial}\right)_{\mu\nu}=\delta_{\lambda\nu}\overbrace{\underbrace{\partial\delta}d\delta^{\cdot}}^{\nu}_{\mu}$$

$$\overbrace{\delta_{\lambda\nu}\left(\bar{\partial}\right)_{\mu\nu}\delta^{\nu}}=\overbrace{\underbrace{\partial\delta}d\delta^{\cdot}}^{\nu}_{\mu}$$

$$\underbrace{d+\bar{\partial}}_{\lambda\delta}=\delta_{\lambda\nu}\left(\partial d\right)^{n}$$

$$\text{LHS}=\overbrace{\underbrace{d+\bar{\partial}}_{\lambda\delta}}=\delta_{\lambda\nu}\left|{}^{\mu}{}_{\mu\nu}{}^{z}\right|+\underbrace{{}^{\tilde{z}\mu}{}_{\mu\nu}\bar{\partial}}_{\lambda\nu}=$$

$$\overbrace{\delta_{\lambda\nu}{}^{\tilde{z}\mu}{}_{\mu\nu}}\delta_{\lambda\nu}+\overbrace{{}^{\tilde{z}\mu}{}_{\mu\nu}\bar{\partial}_{\lambda\nu}}=\overbrace{\delta_{\lambda\nu}{}^{\tilde{z}\mu}+{}^{\tilde{z}\mu}\underbrace{\partial\delta}d\delta^{\cdot}}^{\nu}_{\mu\lambda}\delta_{\nu\nu}=$$

$$\delta_{\lambda\nu}\left(d\,{}^{\mu}+{}^{\mu}\overbrace{\underbrace{\partial\delta}d\delta^{\cdot}}^{\nu}_{\mu\lambda}\right)_{\nu}\partial^{n}{}_{n}=\delta_{\lambda\nu}\left(\partial d\right)^{n}{}_{n}$$

$$\underbrace{d+\bar{\partial}}_{\ell}=\underbrace{\partial d}^{n}_{m\ell}{}_{n}$$

$$\text{LHS}=\underbrace{d+\bar{\partial}}_{\ell^{\lambda}\lambda\nu}=\ell^{\lambda}\overbrace{\underbrace{d+\bar{\partial}}_{\lambda\nu}}=\ell^{\lambda}\overbrace{\delta_{\lambda\nu}\underbrace{\partial d}^{n}_{m}{}_{n}}{}_{n}=\ell\underbrace{\partial d}^{n}_{m}{}_{n}=\underbrace{\partial d}^{n}_{m\ell}{}_{n}$$