

$${}^{zh}\mathcal{M}_w = {}^z\mathcal{M}_{w\overset{*}{h}}$$

$${}^{zk}\mathcal{M}_{wk} = {}^z\mathcal{M}_{wk\overset{*}{k}} = {}^z\mathcal{M}_w$$

$${}^z\mathcal{E}_w = \sum_{\varkappa}^{\mathbb{N}_+^r} {}^z\mathcal{E}_w^{\varkappa} = \left[\begin{array}{c} \\ \end{array} \right]_w$$

$$\left[\begin{array}{c} \alpha_1\cdots\alpha_p \\ \beta_1\cdots\beta_q \end{array}\right]_w = \sum_{\varkappa}^{\mathbb{N}_+^r} \frac{(\alpha_1)_{\varkappa}\cdots(\alpha_p)_{\varkappa}}{(\beta_1)_{\varkappa}\cdots(\beta_q)_{\varkappa}} {}^z\mathcal{E}_w^{\varkappa}$$

$$\nu>\frac{a}{2}\left(r-1\right)\colon\quad {}^z\mathcal{D}_w^{-\nu}=\sum_{\varkappa}^{\mathbb{N}_+^{\ell}}\left(\nu\right)_{\varkappa}{}^z\mathcal{E}_w^{\varkappa}=\left[\begin{array}{c} \nu \\ \end{array}\right]_w$$

$${}^z\mathcal{D}_w^{-\ell a/2}=\sum_{\varkappa}^{\mathbb{N}_+^{\ell}}\left(\ell a/2\right)_{\varkappa}{}^z\mathcal{E}_w^{\varkappa}=\left[\begin{array}{c} \ell a/2 \\ \end{array}\right]_w$$

$${}^z\mathcal{J}_w=\sum_{\varkappa}^{\mathbb{N}_+^{\ell}}\frac{1}{\left(\ell a/2\right)_{\varkappa}}{}^z\mathcal{E}_w^{\varkappa}=\left[\begin{array}{c} \\ \ell a/2 \end{array}\right]_w$$

$${}^z\mathcal{F}_w=\sum_{\varkappa}^{\mathbb{N}_+^r}\frac{(\alpha)_{\varkappa}(\beta)_{\varkappa}}{(\gamma)_{\varkappa}}{}^z\mathcal{E}_w^{\varkappa}=\left[\begin{array}{c} \alpha\colon\beta \\ \gamma \end{array}\right]_w$$