

term-2-all

$$[\hat{H}_{t, Ni}^0, \hat{H}_{t, Ni}^+] = 0$$

$$[\hat{H}_{t, Ni}^0, \hat{H}_{t, Ni}^-] = 0$$

$$\begin{aligned} [\hat{H}_{t, Ni}^0, \hat{H}_{t, cross}^{0\oplus}] = & + X_{iN}^{\sigma\leftarrow\sigma} X_{jN}^{0\leftarrow\sigma} X_{iR}^{\sigma\leftarrow 0} \\ & + \eta(\sigma) X_{iN}^{\sigma\leftarrow\sigma} X_{jN}^{0\leftarrow\sigma} X_{iR}^{d\leftarrow-\sigma} + X_{iN}^{\sigma\leftarrow-\sigma} X_{jN}^{0\leftarrow\sigma} X_{iR}^{-\sigma\leftarrow 0} \\ & - \eta(\sigma) X_{iN}^{\sigma\leftarrow-\sigma} X_{jN}^{0\leftarrow\sigma} X_{iR}^{d\leftarrow\sigma} - X_{iN}^{0\leftarrow 0} X_{iR}^{\sigma\leftarrow 0} X_{jN}^{0\leftarrow\sigma} \\ & - \eta(\sigma) X_{iN}^{0\leftarrow 0} X_{iR}^{d\leftarrow-\sigma} X_{jN}^{0\leftarrow\sigma} - X_{iN}^{0\leftarrow d} X_{iR}^{-\sigma\leftarrow 0} X_{jN}^{d\leftarrow-\sigma} \\ & + \eta(\sigma) X_{iN}^{0\leftarrow d} X_{iR}^{d\leftarrow\sigma} X_{jN}^{d\leftarrow-\sigma} \end{aligned}$$

$$\begin{aligned} [\hat{H}_{t, Ni}^0, \hat{H}_{t, cross}^{0\ominus}] = & + X_{jN}^{\sigma\leftarrow 0} X_{iN}^{0\leftarrow 0} X_{iR}^{0\leftarrow\sigma} \\ & + \eta(\sigma) X_{jN}^{\sigma\leftarrow 0} X_{iN}^{0\leftarrow 0} X_{iR}^{-\sigma\leftarrow d} + X_{jN}^{-\sigma\leftarrow d} X_{iN}^{d\leftarrow 0} X_{iR}^{0\leftarrow-\sigma} \\ & - \eta(\sigma) X_{jN}^{-\sigma\leftarrow d} X_{iN}^{d\leftarrow 0} X_{iR}^{\sigma\leftarrow d} - X_{iN}^{\sigma\leftarrow\sigma} X_{iR}^{0\leftarrow\sigma} X_{jN}^{\sigma\leftarrow 0} \\ & - \eta(\sigma) X_{iN}^{\sigma\leftarrow\sigma} X_{iR}^{-\sigma\leftarrow d} X_{jN}^{\sigma\leftarrow 0} - X_{iN}^{-\sigma\leftarrow\sigma} X_{iR}^{0\leftarrow-\sigma} X_{jN}^{\sigma\leftarrow 0} \\ & + \eta(\sigma) X_{iN}^{-\sigma\leftarrow\sigma} X_{iR}^{\sigma\leftarrow d} X_{jN}^{\sigma\leftarrow 0} \end{aligned}$$

$$\begin{aligned} [\hat{H}_{t, Ni}^0, \hat{H}_{t, cross}^{+\ominus}] = & + X_{iN}^{-\sigma\leftarrow-\sigma} X_{jN}^{d\leftarrow-\sigma} X_{iR}^{-\sigma\leftarrow d} \\ & + \eta(\sigma) X_{iN}^{-\sigma\leftarrow-\sigma} X_{jN}^{d\leftarrow-\sigma} X_{iR}^{0\leftarrow\sigma} + X_{iN}^{-\sigma\leftarrow\sigma} X_{jN}^{d\leftarrow-\sigma} X_{iR}^{\sigma\leftarrow d} \\ & - \eta(\sigma) X_{iN}^{-\sigma\leftarrow\sigma} X_{jN}^{d\leftarrow-\sigma} X_{iR}^{0\leftarrow-\sigma} - X_{iN}^{d\leftarrow d} X_{iR}^{-\sigma\leftarrow d} X_{jN}^{d\leftarrow-\sigma} \\ & - \eta(\sigma) X_{iN}^{d\leftarrow d} X_{iR}^{0\leftarrow\sigma} X_{jN}^{d\leftarrow-\sigma} - X_{iN}^{d\leftarrow 0} X_{iR}^{\sigma\leftarrow d} X_{jN}^{0\leftarrow\sigma} \\ & + \eta(\sigma) X_{iN}^{d\leftarrow 0} X_{iR}^{0\leftarrow-\sigma} X_{jN}^{0\leftarrow\sigma} \end{aligned}$$

$$\begin{aligned} [\hat{H}_{t, Ni}^0, \hat{H}_{t, cross}^{-\oplus}] = & + X_{jN}^{\sigma\leftarrow 0} X_{iN}^{0\leftarrow d} X_{iR}^{d\leftarrow\sigma} \\ & - \eta(\sigma) X_{jN}^{\sigma\leftarrow 0} X_{iN}^{0\leftarrow d} X_{iR}^{-\sigma\leftarrow 0} + X_{jN}^{-\sigma\leftarrow d} X_{iN}^{d\leftarrow d} X_{iR}^{d\leftarrow-\sigma} \\ & + \eta(\sigma) X_{jN}^{-\sigma\leftarrow d} X_{iN}^{d\leftarrow d} X_{iR}^{\sigma\leftarrow 0} - X_{iN}^{-\sigma\leftarrow-\sigma} X_{iR}^{d\leftarrow-\sigma} X_{jN}^{-\sigma\leftarrow d} \\ & - \eta(\sigma) X_{iN}^{-\sigma\leftarrow-\sigma} X_{iR}^{\sigma\leftarrow 0} X_{jN}^{-\sigma\leftarrow d} - X_{iN}^{\sigma\leftarrow-\sigma} X_{iR}^{d\leftarrow\sigma} X_{jN}^{-\sigma\leftarrow d} \\ & + \eta(\sigma) X_{iN}^{\sigma\leftarrow-\sigma} X_{iR}^{-\sigma\leftarrow 0} X_{jN}^{-\sigma\leftarrow d} \end{aligned}$$

$$[\hat{H}_{t, Ni}^0, \hat{H}_{t, R}] = 0$$

$$\begin{aligned} [\hat{H}_{t, Ni}^+, \hat{H}_{t, Ni}^-] = & + X_{iN}^{d \leftarrow d} X_{jN}^{0 \leftarrow 0} \\ & - X_{iN}^{d \leftarrow 0} X_{jN}^{0 \leftarrow d} + X_{jN}^{d \leftarrow d} X_{iN}^{0 \leftarrow 0} \\ & - X_{jN}^{d \leftarrow 0} X_{iN}^{0 \leftarrow d} - X_{iN}^{\sigma \leftarrow \sigma} X_{jN}^{-\sigma \leftarrow -\sigma} \\ & - X_{jN}^{\sigma \leftarrow \sigma} X_{iN}^{-\sigma \leftarrow -\sigma} + X_{iN}^{-\sigma \leftarrow \sigma} X_{jN}^{\sigma \leftarrow -\sigma} \\ & + X_{jN}^{-\sigma \leftarrow \sigma} X_{iN}^{\sigma \leftarrow -\sigma} \end{aligned}$$

$$[\hat{H}_{t, Ni}^+, \hat{H}_{t, cross}^{0 \oplus}] = 0$$

$$\begin{aligned} [\hat{H}_{t, Ni}^+, \hat{H}_{t, cross}^{0 \ominus}] = & + \eta(\sigma) X_{iN}^{d \leftarrow 0} X_{jN}^{0 \leftarrow \sigma} X_{iR}^{0 \leftarrow -\sigma} \\ & - X_{iN}^{d \leftarrow 0} X_{jN}^{0 \leftarrow \sigma} X_{iR}^{\sigma \leftarrow d} + \eta(\sigma) X_{jN}^{d \leftarrow -\sigma} X_{iN}^{0 \leftarrow 0} X_{iR}^{0 \leftarrow \sigma} \\ & + X_{jN}^{d \leftarrow -\sigma} X_{iN}^{0 \leftarrow 0} X_{iR}^{-\sigma \leftarrow d} - \eta(\sigma) X_{iN}^{\sigma \leftarrow \sigma} X_{iR}^{0 \leftarrow \sigma} X_{jN}^{d \leftarrow -\sigma} \\ & - X_{iN}^{\sigma \leftarrow \sigma} X_{iR}^{-\sigma \leftarrow d} X_{jN}^{d \leftarrow -\sigma} - \eta(\sigma) X_{iN}^{-\sigma \leftarrow \sigma} X_{iR}^{0 \leftarrow -\sigma} X_{jN}^{d \leftarrow -\sigma} \\ & + X_{iN}^{-\sigma \leftarrow \sigma} X_{iR}^{\sigma \leftarrow d} X_{jN}^{d \leftarrow -\sigma} \end{aligned}$$

$$[\hat{H}_{t, Ni}^+, \hat{H}_{t, cross}^{+ \ominus}] = 0$$

$$\begin{aligned} [\hat{H}_{t, Ni}^+, \hat{H}_{t, cross}^{- \oplus}] = & + \eta(\sigma) X_{iN}^{d \leftarrow d} X_{jN}^{0 \leftarrow \sigma} X_{iR}^{d \leftarrow -\sigma} \\ & + X_{iN}^{d \leftarrow d} X_{jN}^{0 \leftarrow \sigma} X_{iR}^{\sigma \leftarrow 0} + \eta(\sigma) X_{jN}^{d \leftarrow -\sigma} X_{iN}^{0 \leftarrow d} X_{iR}^{d \leftarrow \sigma} \\ & - X_{jN}^{d \leftarrow -\sigma} X_{iN}^{0 \leftarrow d} X_{iR}^{-\sigma \leftarrow 0} - \eta(\sigma) X_{iN}^{-\sigma \leftarrow -\sigma} X_{iR}^{d \leftarrow -\sigma} X_{jN}^{0 \leftarrow \sigma} \\ & - X_{iN}^{-\sigma \leftarrow -\sigma} X_{iR}^{\sigma \leftarrow 0} X_{jN}^{0 \leftarrow \sigma} - \eta(\sigma) X_{iN}^{\sigma \leftarrow -\sigma} X_{iR}^{d \leftarrow \sigma} X_{jN}^{0 \leftarrow \sigma} \\ & + X_{iN}^{\sigma \leftarrow -\sigma} X_{iR}^{-\sigma \leftarrow 0} X_{jN}^{0 \leftarrow \sigma} \end{aligned}$$

$$[\hat{H}_{t, Ni}^+, \hat{H}_{t, R}] = 0$$

$$\begin{aligned} [\hat{H}_{t, Ni}^-, \hat{H}_{t, cross}^{0 \oplus}] = & + \eta(\sigma) X_{iN}^{\sigma \leftarrow \sigma} X_{jN}^{-\sigma \leftarrow d} X_{iR}^{\sigma \leftarrow 0} \\ & + X_{iN}^{\sigma \leftarrow \sigma} X_{jN}^{-\sigma \leftarrow d} X_{iR}^{d \leftarrow -\sigma} + \eta(\sigma) X_{iN}^{\sigma \leftarrow -\sigma} X_{jN}^{-\sigma \leftarrow d} X_{iR}^{-\sigma \leftarrow 0} \\ & - X_{iN}^{\sigma \leftarrow -\sigma} X_{jN}^{-\sigma \leftarrow d} X_{iR}^{d \leftarrow \sigma} - \eta(\sigma) X_{iN}^{0 \leftarrow 0} X_{iR}^{\sigma \leftarrow 0} X_{jN}^{-\sigma \leftarrow d} \\ & - X_{iN}^{0 \leftarrow 0} X_{iR}^{d \leftarrow -\sigma} X_{jN}^{-\sigma \leftarrow d} - \eta(\sigma) X_{iN}^{0 \leftarrow d} X_{iR}^{-\sigma \leftarrow 0} X_{jN}^{\sigma \leftarrow 0} \\ & + X_{iN}^{0 \leftarrow d} X_{iR}^{d \leftarrow \sigma} X_{jN}^{\sigma \leftarrow 0} \end{aligned}$$

$$[\hat{H}_{t, Ni}^-, \hat{H}_{t, cross}^{0\ominus}] = 0$$

$$\begin{aligned} [\hat{H}_{t, Ni}^-, \hat{H}_{t, cross}^{+\ominus}] = & + \eta(\sigma) X_{jN}^{\sigma\leftarrow 0} X_{iN}^{-\sigma\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow d} \\ & + X_{jN}^{\sigma\leftarrow 0} X_{iN}^{-\sigma\leftarrow -\sigma} X_{iR}^{0\leftarrow \sigma} + \eta(\sigma) X_{jN}^{\sigma\leftarrow 0} X_{iN}^{-\sigma\leftarrow -\sigma} X_{iR}^{\sigma\leftarrow d} \\ & - X_{jN}^{\sigma\leftarrow 0} X_{iN}^{-\sigma\leftarrow -\sigma} X_{iR}^{0\leftarrow -\sigma} - \eta(\sigma) X_{iN}^{d\leftarrow d} X_{iR}^{-\sigma\leftarrow d} X_{jN}^{\sigma\leftarrow 0} \\ & - X_{iN}^{d\leftarrow d} X_{iR}^{0\leftarrow \sigma} X_{jN}^{\sigma\leftarrow 0} - \eta(\sigma) X_{iN}^{d\leftarrow 0} X_{iR}^{\sigma\leftarrow d} X_{jN}^{-\sigma\leftarrow d} \\ & + X_{iN}^{d\leftarrow 0} X_{iR}^{0\leftarrow -\sigma} X_{jN}^{-\sigma\leftarrow d} \end{aligned}$$

$$[\hat{H}_{t, Ni}^-, \hat{H}_{t, cross}^{-\oplus}] = 0$$

$$[\hat{H}_{t, Ni}^-, \hat{H}_{t, R}] = 0$$

$$\begin{aligned} [\hat{H}_{t, cross}^{0\oplus}, \hat{H}_{t, cross}^{0\ominus}] = & + X_{iN}^{0\leftarrow 0} X_{iR}^{\sigma\leftarrow \sigma} \\ & + X_{iN}^{0\leftarrow 0} X_{iR}^{d\leftarrow d} - X_{iN}^{\sigma\leftarrow \sigma} X_{iR}^{0\leftarrow 0} \\ & - X_{iN}^{\sigma\leftarrow \sigma} X_{iR}^{-\sigma\leftarrow -\sigma} + X_{iN}^{-\sigma\leftarrow \sigma} X_{iR}^{\sigma\leftarrow -\sigma} \end{aligned}$$

$$[\hat{H}_{t, cross}^{0\oplus}, \hat{H}_{t, cross}^{+\ominus}] = 0$$

$$[\hat{H}_{t, cross}^{0\oplus}, \hat{H}_{t, cross}^{-\oplus}] = - X_{iN}^{0\leftarrow d} X_{iR}^{d\leftarrow 0}$$

$$\begin{aligned} [\hat{H}_{t, cross}^{0\oplus}, \hat{H}_{t, R}] = & + X_{iN}^{0\leftarrow \sigma} X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{\sigma\leftarrow 0} \\ & + \eta(\sigma) X_{iN}^{0\leftarrow \sigma} X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{d\leftarrow -\sigma} + X_{iN}^{0\leftarrow \sigma} X_{iR}^{\sigma\leftarrow -\sigma} X_{jR}^{-\sigma\leftarrow 0} \\ & - \eta(\sigma) X_{iN}^{0\leftarrow \sigma} X_{iR}^{\sigma\leftarrow -\sigma} X_{jR}^{d\leftarrow \sigma} + X_{iN}^{0\leftarrow \sigma} X_{iR}^{d\leftarrow d} X_{jR}^{\sigma\leftarrow 0} \\ & + \eta(\sigma) X_{iN}^{0\leftarrow \sigma} X_{iR}^{d\leftarrow d} X_{jR}^{d\leftarrow -\sigma} + \eta(\sigma) X_{iN}^{0\leftarrow \sigma} X_{iR}^{d\leftarrow 0} X_{jR}^{0\leftarrow -\sigma} \\ & - X_{iN}^{0\leftarrow \sigma} X_{iR}^{d\leftarrow 0} X_{jR}^{\sigma\leftarrow d} - X_{jR}^{\sigma\leftarrow 0} X_{iR}^{0\leftarrow 0} X_{iN}^{0\leftarrow \sigma} \\ & - X_{jR}^{\sigma\leftarrow 0} X_{iR}^{-\sigma\leftarrow -\sigma} X_{iN}^{0\leftarrow \sigma} - \eta(\sigma) X_{jR}^{d\leftarrow -\sigma} X_{iR}^{0\leftarrow 0} X_{iN}^{0\leftarrow \sigma} \\ & - \eta(\sigma) X_{jR}^{d\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow -\sigma} X_{iN}^{0\leftarrow \sigma} + \eta(\sigma) X_{iR}^{d\leftarrow 0} X_{jR}^{0\leftarrow -\sigma} X_{iN}^{0\leftarrow \sigma} \\ & - X_{iR}^{d\leftarrow 0} X_{jR}^{\sigma\leftarrow d} X_{iN}^{0\leftarrow \sigma} + X_{jR}^{-\sigma\leftarrow 0} X_{iR}^{\sigma\leftarrow -\sigma} X_{iN}^{0\leftarrow \sigma} \\ & - \eta(\sigma) X_{jR}^{d\leftarrow \sigma} X_{iR}^{\sigma\leftarrow -\sigma} X_{iN}^{0\leftarrow \sigma} \end{aligned}$$

$$[\hat{H}_{t, cross}^{0\ominus}, \hat{H}_{t, cross}^{+\ominus}] = + X_{iN}^{d\leftarrow 0} X_{iR}^{0\leftarrow d}$$

$$[\hat{H}_{t,cross}^{0\ominus}, \hat{H}_{t,cross}^{-\oplus}] = 0$$

$$\begin{aligned} [\hat{H}_{t,cross}^{0\ominus}, \hat{H}_{t,R}] = & + X_{iN}^{\sigma\leftarrow 0} X_{iR}^{0\leftarrow 0} X_{jR}^{0\leftarrow \sigma} \\ & + \eta(\sigma) X_{iN}^{\sigma\leftarrow 0} X_{iR}^{0\leftarrow 0} X_{jR}^{-\sigma\leftarrow d} - \eta(\sigma) X_{iN}^{\sigma\leftarrow 0} X_{iR}^{0\leftarrow d} X_{jR}^{-\sigma\leftarrow 0} \\ & + X_{iN}^{\sigma\leftarrow 0} X_{iR}^{0\leftarrow d} X_{jR}^{d\leftarrow \sigma} + X_{iN}^{\sigma\leftarrow 0} X_{iR}^{-\sigma\leftarrow -\sigma} X_{jR}^{0\leftarrow \sigma} \\ & + \eta(\sigma) X_{iN}^{\sigma\leftarrow 0} X_{iR}^{-\sigma\leftarrow -\sigma} X_{jR}^{-\sigma\leftarrow d} - X_{iN}^{\sigma\leftarrow 0} X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{0\leftarrow -\sigma} \\ & + \eta(\sigma) X_{iN}^{\sigma\leftarrow 0} X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{\sigma\leftarrow d} - X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{0\leftarrow \sigma} X_{iN}^{\sigma\leftarrow 0} \\ & - \eta(\sigma) X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{-\sigma\leftarrow d} X_{iN}^{\sigma\leftarrow 0} - X_{iR}^{d\leftarrow d} X_{jR}^{0\leftarrow \sigma} X_{iN}^{\sigma\leftarrow 0} \\ & - \eta(\sigma) X_{iR}^{d\leftarrow d} X_{jR}^{-\sigma\leftarrow d} X_{iN}^{\sigma\leftarrow 0} - X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{0\leftarrow -\sigma} X_{iN}^{\sigma\leftarrow 0} \\ & + \eta(\sigma) X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{\sigma\leftarrow d} X_{iN}^{\sigma\leftarrow 0} - \eta(\sigma) X_{jR}^{-\sigma\leftarrow 0} X_{iR}^{0\leftarrow d} X_{iN}^{\sigma\leftarrow 0} \\ & + X_{jR}^{d\leftarrow \sigma} X_{iR}^{0\leftarrow d} X_{iN}^{\sigma\leftarrow 0} \end{aligned}$$

$$\begin{aligned} [\hat{H}_{t,cross}^{+\ominus}, \hat{H}_{t,cross}^{-\oplus}] = & + X_{iN}^{d\leftarrow d} X_{iR}^{-\sigma\leftarrow -\sigma} \\ & + X_{iN}^{d\leftarrow d} X_{iR}^{0\leftarrow 0} - X_{iN}^{-\sigma\leftarrow -\sigma} X_{iR}^{d\leftarrow d} \\ & - X_{iN}^{-\sigma\leftarrow -\sigma} X_{iR}^{\sigma\leftarrow \sigma} + X_{iN}^{\sigma\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow \sigma} \end{aligned}$$

$$\begin{aligned} [\hat{H}_{t,cross}^{+\ominus}, \hat{H}_{t,R}] = & + \eta(\sigma) X_{iN}^{d\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow -\sigma} X_{jR}^{0\leftarrow \sigma} \\ & + X_{iN}^{d\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow -\sigma} X_{jR}^{-\sigma\leftarrow d} - \eta(\sigma) X_{iN}^{d\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{0\leftarrow -\sigma} \\ & + X_{iN}^{d\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{\sigma\leftarrow d} + \eta(\sigma) X_{iN}^{d\leftarrow -\sigma} X_{iR}^{0\leftarrow 0} X_{jR}^{0\leftarrow \sigma} \\ & + X_{iN}^{d\leftarrow -\sigma} X_{iR}^{0\leftarrow 0} X_{jR}^{-\sigma\leftarrow d} - X_{iN}^{d\leftarrow -\sigma} X_{iR}^{0\leftarrow d} X_{jR}^{-\sigma\leftarrow 0} \\ & + \eta(\sigma) X_{iN}^{d\leftarrow -\sigma} X_{iR}^{0\leftarrow d} X_{jR}^{d\leftarrow \sigma} - \eta(\sigma) X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{0\leftarrow \sigma} X_{iN}^{d\leftarrow -\sigma} \\ & - X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{-\sigma\leftarrow d} X_{iN}^{d\leftarrow -\sigma} - \eta(\sigma) X_{iR}^{d\leftarrow d} X_{jR}^{0\leftarrow \sigma} X_{iN}^{d\leftarrow -\sigma} \\ & - X_{iR}^{d\leftarrow d} X_{jR}^{-\sigma\leftarrow d} X_{iN}^{d\leftarrow -\sigma} - \eta(\sigma) X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{0\leftarrow -\sigma} X_{iN}^{d\leftarrow -\sigma} \\ & + X_{iR}^{-\sigma\leftarrow \sigma} X_{jR}^{\sigma\leftarrow d} X_{iN}^{d\leftarrow -\sigma} - X_{jR}^{-\sigma\leftarrow 0} X_{iR}^{0\leftarrow d} X_{iN}^{d\leftarrow -\sigma} \\ & + \eta(\sigma) X_{jR}^{d\leftarrow \sigma} X_{iR}^{0\leftarrow d} X_{iN}^{d\leftarrow -\sigma} \end{aligned}$$

$$\begin{aligned} [\hat{H}_{t,cross}^{-\oplus}, \hat{H}_{t,R}] = & + \eta(\sigma) X_{iN}^{-\sigma\leftarrow d} X_{iR}^{d\leftarrow d} X_{jR}^{\sigma\leftarrow 0} \\ & + X_{iN}^{-\sigma\leftarrow d} X_{iR}^{d\leftarrow d} X_{jR}^{d\leftarrow -\sigma} + X_{iN}^{-\sigma\leftarrow d} X_{iR}^{d\leftarrow 0} X_{jR}^{0\leftarrow -\sigma} \\ & - \eta(\sigma) X_{iN}^{-\sigma\leftarrow d} X_{iR}^{d\leftarrow 0} X_{jR}^{\sigma\leftarrow d} + \eta(\sigma) X_{iN}^{-\sigma\leftarrow d} X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{\sigma\leftarrow 0} \\ & + X_{iN}^{-\sigma\leftarrow d} X_{iR}^{\sigma\leftarrow \sigma} X_{jR}^{d\leftarrow -\sigma} + \eta(\sigma) X_{iN}^{-\sigma\leftarrow d} X_{iR}^{-\sigma\leftarrow -\sigma} X_{jR}^{-\sigma\leftarrow 0} \\ & - X_{iN}^{-\sigma\leftarrow d} X_{iR}^{\sigma\leftarrow -\sigma} X_{jR}^{d\leftarrow \sigma} - \eta(\sigma) X_{jR}^{\sigma\leftarrow 0} X_{iR}^{0\leftarrow 0} X_{iN}^{-\sigma\leftarrow d} \\ & - \eta(\sigma) X_{jR}^{\sigma\leftarrow 0} X_{iR}^{-\sigma\leftarrow -\sigma} X_{iN}^{-\sigma\leftarrow d} - X_{jR}^{d\leftarrow -\sigma} X_{iR}^{0\leftarrow 0} X_{iN}^{-\sigma\leftarrow d} \\ & - X_{jR}^{d\leftarrow -\sigma} X_{iR}^{-\sigma\leftarrow -\sigma} X_{iN}^{-\sigma\leftarrow d} + X_{iR}^{d\leftarrow 0} X_{jR}^{0\leftarrow -\sigma} X_{iN}^{-\sigma\leftarrow d} \\ & - \eta(\sigma) X_{iR}^{d\leftarrow 0} X_{jR}^{\sigma\leftarrow d} X_{iN}^{-\sigma\leftarrow d} + \eta(\sigma) X_{jR}^{-\sigma\leftarrow 0} X_{iR}^{\sigma\leftarrow -\sigma} X_{iN}^{-\sigma\leftarrow d} \\ & - X_{jR}^{d\leftarrow \sigma} X_{iR}^{\sigma\leftarrow -\sigma} X_{iN}^{-\sigma\leftarrow d} \end{aligned}$$