

$$a[1, ij] \rightarrow a[-b_i, jk] + a[b_j, ik] + \gamma[1, ijk]$$

$$a[1, ik] \rightarrow a[b_i, jk] + a[-b_j, ik]$$

$$a[1, j1] \rightarrow \gamma[1, jk1]$$

$$a[1, k1] \rightarrow a[b_j, k1] + a[-b_k, j1] + \gamma[-1, jk1]$$

$$\beta[f[b_j, b_k]] \rightarrow \gamma[-f^{(0,1)}[b_j, b_k] + f^{(1,0)}[b_j, b_k], jk]$$

$$\gamma[1, ij] \rightarrow \gamma[b_j, ik]$$

$$\gamma[1, ik] \rightarrow \gamma[-b_j, ik]$$

$$\gamma[1, jk] \rightarrow \gamma[-b_j, jk]$$

$$\gamma[1, k1] \rightarrow \gamma[b_j, k1] + \gamma[-b_k, j1]$$

$$\gamma[1, ijk] \rightarrow \gamma[-b_j, ijk] + \gamma a[1, ijjk] + \gamma a[1, ikjk]$$

$$\gamma[1, ij1] \rightarrow \gamma a[1, ikj1]$$

$$\gamma[1, ik1] \rightarrow \gamma a[-1, ikj1]$$

$$\gamma[1, jk1] \rightarrow \gamma a[-1, jkj1]$$

$$\gamma[1, klm] \rightarrow \gamma[b_j, klm] + \gamma[-b_k, jlm]$$

$$\gamma a[1, jkj1] \rightarrow \gamma a[-b_j, jkj1]$$