$$\left\{ \mathcal{A}^i{}_{ka} \; h_j{}^a - \mathcal{A}^i{}_{ja} \; h_k{}^a + \right.$$
$$h_j{}^a \; h_k{}^{a1} \; \partial_a b^i{}_{a1} - h_j{}^a \; h_k{}^{a1} \; \partial_{a1} b^i{}_a, \; \text{TP2p}[-i, -j],$$
$$\left. \frac{1}{2} \; \pi_{\mathcal{A}ja1}{}^b \; b_i{}^a \; \hat{\gamma}_{ab} \; n^{a1} - \frac{1}{2} \; \pi_{\mathcal{A}ia1}{}^b \; b_j{}^a \; \hat{\gamma}_{ab} \; n^{a1} \right\}$$