

$$\left\{ \mathcal{I}, \mathcal{N}, -h_j^b n_{a'} \partial_a b_{b}^{a'} + h_b^{b'} n_{a'} n^b n_j \partial_a b_{b'}^{a'}, -h_{a'}^n h_j^b \partial_a b_{b'}^{a'} \right.$$

$$\left. h_{a'}^b \mathcal{I} \partial_a b_{b}^{a'} - h_b^{b'} \mathcal{I} n_{a'} n^b \partial_a b_{b'}^{a'}, h_b^{b'} \mathcal{N} n_{a'} n^b \partial_a b_{b'}^{a'} \right\}$$