

$$\mathcal{E}_3' : \frac{\rho \vdash_{\Delta} \langle e, \sigma \rangle \rightarrow_e \langle e', \sigma \rangle}{\rho \vdash_{\Delta} \langle e \text{ bop } e_0, \sigma \rangle \rightarrow_e \langle e' \text{ bop } e_0, \sigma \rangle}$$