$\sigma_{\lambda-2}^{-1}(\{\kappa_a^{\ell},\mu\}) \subset V(\mathcal{C}_b^{\ell}) \text{ and } \sigma_{\lambda-2}(\sigma_{\lambda-1}^{-1}(\kappa_a^{\ell})) \in V(\mathcal{C}_b^{\ell}).$