

$$\{\kappa_a^\ell, \sigma_{\lambda-1}(\sigma_a^{\ell-1}(\kappa_a^\ell))\} \subset \sigma_{\lambda-1}^{-1}(V(\ell-1)) \setminus (V(\mathcal{P}_a^{\ell-1}) \cup V(\mathcal{P}_a^{\ell-1}))$$