$|\sigma_{\lambda-1}^{-1}(V(\mathcal{K}^{\ell})) \setminus (V(\mathcal{P}_a^{\ell}) \cup V(\mathcal{P}_b^{\ell}))| = 1 \text{ and } |\sigma_{\lambda}^{-1}(V(\mathcal{K}^{\ell})) \setminus (V(\mathcal{P}_a^{\ell}) \cup V(\mathcal{P}_b^{\ell}))| = 2,$