

$$\begin{aligned}\Theta_1(x, y, \mathfrak{p}) &:= \left\{ u \in \Theta_1(\mathfrak{p}) \mid \exists \gamma \in \Gamma, \, ux = \gamma y \right\}, \\ \Theta_2(x, y, \mathfrak{p}) &:= \left\{ u \in \Theta_2(\mathfrak{p}) \mid \exists \gamma \in \Gamma, \, ux = \gamma y \right\}\end{aligned}$$