$$\Gamma = \left\{ \begin{pmatrix} u & 0 \\ 0 & \end{pmatrix} \ \middle| \ u, \ v \in \mathcal{O}_B^1 \right\} \cup \left\{ \begin{pmatrix} 0 & u \\ v & \end{pmatrix} \ \middle| \ u, \ v \in \mathcal{O}_B^1 \right\},$$