$$\Gamma = \left\{ \left( \begin{array}{cc} u & 0 \\ 0 & v \end{array} \right) \mid u, v \in \mathcal{O}_B^1 \right\} \cup \left\{ \left( \begin{array}{cc} 0 & u \\ v & 0 \end{array} \right) \mid u, v \in \mathcal{O}_B^1 \right\}$$