

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