

$$\left( \Gamma T = \bigoplus_{\substack{i=0, \\ i\%4 \geq 2}}^{r-1} \Gamma T K_{i\%4}^i \oplus \bigoplus_{\substack{i=0, \\ i\%4 < 2}}^{r-1} Q^{-1}(\Gamma T K_{i\%4}^i) = \begin{pmatrix} * & * & * & * \\ * & * & * & * \\ * & * & * & a \\ * & * & * & * \end{pmatrix} \right) \wedge \left( \Gamma T = \begin{pmatrix} * & * & * & * \\ * & * & * & * \\ * & * & * & 0 \\ * & * & * & * \end{pmatrix} \right) \wedge a \neq 0 \rightarrow \perp$$

