$$\Delta(3,3,4) = \langle a,b \mid a^3 = b^3 = (a.b)^4 = 1 \rangle$$

given by

$$a \mapsto \begin{pmatrix} 0 & 0 & 1 \\ 1 & 0 & 0 \\ 0 & 1 & 0 \end{pmatrix}$$
$$b \mapsto \begin{pmatrix} 1 & 2 - t + t^2 & 3 + t^2 \\ 0 & -2 + 2t - t^2 & -1 + t - t^2 \\ 0 & 3 - 3t + t^2 & (-1 + t)^2 \end{pmatrix}$$

are discrete and faithful for every $t \in \mathbf{R}$.