The group G is isomorphic to the group labelled by [81, 12] in the Small Groups library.

Ordinary character table of  $G \cong C3 \times ((C3 \times C3) : C3)$ :

 $\chi_{10} \ | \ 1 \ | \ E(3) \ | \ 1 \ | \ 1 \ | \ E(3)^2 \ | \ E(3) \ | \ E(3) \ | \ 1 \ | \ 1 \ | \ 1 \ | \ E(3)^2 \ | \ E(3) \ | \ E(3)^2 \ | \ E$  $\chi_{11}$  | 1 | E(3) | 1 | E(3) | 1 | E(3) |  $1 \qquad E(3)^2 \qquad E(3) \qquad 1 \qquad 1 \qquad E(3)^2 \qquad E(3) \qquad E(3)^2 \qquad 1 \qquad E(3)^2 \qquad E(3) \qquad E(3) \qquad 1 \qquad E(3)^2 \qquad E(3) \qquad E(3)$  $\chi_{13}$  | 1 | E(3) | E(3) | 1 | 1 | E(3)| |  $\chi_{14} \ | \ 1 \ | \ E(3) \ | \$  $\chi_{15}$  | 1 | E(3) | E(3) | E(3)| |  $\chi_{16} \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \ 1 \ | \ E(3) \ | \ E(3)^2 \ | \$  $\chi_{17}$  | 1 | E(3) | E(3)^2 | E(3) | 1 | E(3)^2 | E(3) | E(  $\chi_{18} \mid 1 \quad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad 1 \quad 1 \quad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \quad 1 \quad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad$  $\chi_{19} \mid 1 \quad E(3)^2 \quad 1 \quad 1 \quad E(3) \quad E(3)^2 \quad E(3)^2 \quad E(3)^2 \quad 1 \quad 1 \quad 1 \quad E(3) \quad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \quad 1 \quad E(3) \quad E(3)^2 \quad E(3)$  $\chi_{20} \ | \ 1 \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad E(3) \quad E(3)^2 \quad E(3) \quad E(3)^2 \quad E($  $\chi_{21} \ | \ 1 \quad E(3)^2 \quad 1 \quad E(3)^2 \quad E(3) \quad E(3)^2 \quad E($  $\chi_{23} \mid 1 \quad E(3)^2 \quad E(3) \quad E(3) \quad 1 \quad E(3)^2 \quad E(3)^2 \quad E(3)^2 \quad E(3)^2 \quad E(3) \quad 1 \quad 1 \quad E(3)^2 \quad E(3)^2 \quad E(3) \quad E(3) \quad 1 \quad 1 \quad E(3)^2 \quad E(3) \quad$  $\chi_{24} \mid 1 \quad E(3)^2 \quad E(3) \quad E(3)^2 \quad 1 \quad E(3)^2$ Trivial source character table of  $G \cong C3 \times ((C3 \times C3) : C3)$  at p = 3:  $oldsymbol{r}_1 oldsymbol{P}_2 oldsymbol{P}_3 oldsymbol{P}_4 oldsymbol{P}_5 oldsymbol{P}_6 oldsymbol{P}_7 oldsymbol{P}_8 oldsymbol{P}_9 oldsymbol{P}_{10} oldsymbol{P}_{11} oldsymbol{P}_{12} oldsymbol{P}_{16} oldsymbol{P}_{16} oldsymbol{P}_{12} oldsymbol{P}_{20} oldsymbol{P}_{21} oldsymbol{P}_{22} oldsymbol{P}_{23} oldsymbol{P}_{24} oldsymbol{P}_{25} oldsymbol{P}_{26} oldsymbol{P}_{21} oldsymbol{P}_{22} oldsymbol{P}_{23} oldsymbol{P}_{24} oldsymbol{P}_{25} oldsymbol{P}_{30} oldsymbol{P}_{31} oldsymbol{P}_{32} oldsymbol{P}_{36} oldsymbol{P}_{31} oldsymbol{P}_{32} oldsymbol{P}_{32}$ p-subgroups of G up to conjugacy in GRepresentatives  $n_i \in N_i$  $\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1$  $\frac{1}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{29} +$  $\chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{2$  $\frac{\cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 3 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 3 \cdot \chi_{31} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 3 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 3 \cdot \chi_{31} + 0 \cdot \chi_{21} + 1 \cdot \chi_{19} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{23} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{23} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot$  $\chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{20} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 1 \cdot \chi_{29} + 1 \cdot \chi_{30} + 1 \cdot \chi_{31} + 1 \cdot \chi_{32} + 1 \cdot \chi_{32} + 1 \cdot \chi_{31} + 1 \cdot \chi_{32} + 1$  $\frac{1}{1} \frac{1}{3} \frac{1}{4} \frac{1}{3} \frac{1}$  $0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 1 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 1 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0$  $+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+1\cdot\chi_{28}+0\cdot\chi_{27}$ 

 $+\frac{0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 1 \cdot \chi_{11} + 0 \cdot \chi_{11}$  $+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{30}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{21}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{21}$  $+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+1\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\chi_{25}+0\chi_{25}+0\chi_{25}+0\chi$  $0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{31} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{31} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{31} + 0 \cdot \chi_{31} + 0 \cdot \chi_{32} + 0 \cdot \chi_{31} + 0 \cdot$  $\frac{1}{1} + \frac{1}{1} + \frac{1}$  $\frac{1}{\sqrt{2}} + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{24} + 1 \cdot \chi_{25} + 0 \cdot \chi_{24} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25}$  $0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0$  $\frac{1}{1} + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot$  $1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0$  $0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10} + 0\cdot\chi_{11} + 0\cdot\chi_{12} + 0\cdot\chi_{13} + 0\cdot\chi_{14} + 0\cdot\chi_{15} + 1\cdot\chi_{16} + 0\cdot\chi_{17} + 0\cdot\chi_{18} + 0\cdot\chi_{21} + 1\cdot\chi_{22} + 0\cdot\chi_{23} + 0\cdot\chi_{24} + 0\cdot\chi_{25} + 0\cdot\chi_{26} + 0\cdot\chi_{27} +$  $\underbrace{0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+1\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{21}+0\cdot\chi_{$  $+\frac{0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{27}$  $\frac{0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{23} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{23}$  $\begin{vmatrix} 1 \cdot y_1 + 0 \cdot y_2 + 0 \cdot y_3 + 0 \cdot y_4 + 0 \cdot y_5 + 0 \cdot y_6 + 0 \cdot y_7 + 0 \cdot y_8 + 0 \cdot y_9 + 0 \cdot y_8 + 0$ 1 + 0 + 2 + $P_2 = Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,26)(11,49,28)(13,50,30)(16,55,34)(17,57,36)(19,60,39)(20,62,41)(22,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77)]) \cong C3$  $G_3 = Group([(1, 8, 35)(2, 17, 13)(3, 41, 79)(4, 22, 6)(5, 23, 56)(7, 54, 66)(9, 36, 30)(10, 74, 77)(11, 61, 55)(12, 62, 53)(14, 43, 18)(15, 44, 72)(16, 28, 75)(25, 80, 52)(26, 38, 81)(31, 63, 37)(32, 65, 73)(33, 48, 42)(34, 49, 40)(39, 51, 76)(45, 60, 68)(46, 58, 69)(47, 59, 67)]) \cong G_3$  $C_4 = Group([(1,14,50)(2,23,63)(3,28,66)(4,30,15)(5,31,13)(6,36,72)(7,41,75)(8,43,24)(9,44,22)(10,46,76)(11,48,29)(12,49,27)(16,54,79)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(21,62,40)(25,64,47)(26,65,45)(32,68,81)(33,70,55)(34,71,53)(38,73,60)(39,74,58)(51,77,69)(52,78,67)]) \cong C_3$  $G_5 = Group([(1,31,30)(2,44,43)(3,49,48)(4,50,5)(6,57,56)(7,62,61)(8,63,9)(10,65,64)(11,66,12)(13,15,14)(16,71,70)(17,72,18)(19,74,73)(20,75,21)(22,24,23)(25,76,26)(27,29,28)(32,78,77)(33,79,34)(35,37,36)(38,80,39)(40,42,41)(45,47,46)(51,81,52)(53,55,54)(58,60,59)(67,69,68)]) \cong C3$  $G_6 = Group([(1,4,13)(2,8,22)(3,11,27)(5,14,30)(6,17,35)(7,20,40)(9,23,43)(10,25,45)(12,28,48)(15,31,50)(16,33,53)(18,36,56)(19,38,58)(21,41,61)(24,44,63)(26,46,40)(29,49,66)(32,51,67)(34,54,70)(37,57,72)(39,59,73)(42,62,75)(47,65,76)(52,68,77)(55,71,79)(60,74,80)(69,78,81)]) \cong C3$  $G_7 = Group([(1,3,10)(2,7,19)(4,11,25)(5,12,26)(6,16,32)(8,20,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,58)(23,41,59)(24,42,60)(30,48,64)(31,49,65)(35,53,67)(36,54,68)(37,55,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,80)(72,79,81)]) \cong G_3$  $S_8 = Group([(1,11,45)(2,20,58)(3,25,13)(4,27,10)(5,28,64)(6,33,67)(7,38,22)(8,40,19)(9,41,73)(12,46,30)(14,48,26)(15,49,76)(16,51,35)(17,53,32)(18,54,77)(21,59,43)(23,61,39)(24,62,80)(29,65,50)(31,66,47)(34,68,56)(36,70,52)(37,71,81)(42,74,63)(44,75,60)(55,78,72)(57,79,69)]) \cong C3$  $G_9 = Group([(1,25,27)(2,38,40)(3,4,45)(5,46,48)(6,51,53)(7,8,58)(9,59,61)(10,11,13)(12,14,64)(15,65,66)(16,17,67)(18,68,70)(19,20,22)(21,23,73)(24,74,75)(26,28,30)(29,31,76)(32,33,35)(34,36,77)(37,78,79)(39,41,43)(42,44,80)(47,49,50)(52,54,56)(55,57,81)(60,62,63)(69,71,72)]) \cong C3$ 

 $7 = Group([(1,74,53)(2,78,27)(3,8,81)(4,80,16)(5,38,70)(6,65,40)(7,17,76)(9,51,48)(10,41,56)(11,22,69)(12,23,67)(13,60,33)(14,58,34)(15,59,79)(18,25,61)(19,54,30)(20,35,47)(21,36,45)(24,68,66)(26,62,72)(28,43,32)(29,44,77)(31,73,55)(37,46,75)(39,71,50)(42,57,64)(49,63,52)]) \cong C3$ S = Group([(1,4,13)(2,8,22)(3,11,27)(5,43,30)(15,24,37)(19,69,26)(25,44,63)(25,43,7)(19,49,26)(25,43,30)(16,33,53)(18,36,56)(19,38,58)(21,41,57)(24,43,50)(16,33,53)(18,36,56)(19,38,58)(21,41,57)(24,48,63)(26,46,64)(29,49,66)(32,51,67)(48,67,76)(19,48,57)(19,49,66)(27,51,67)(19,48,57)(19,49,66)(19,48,57) $G_{9} = Group([(1,31,30)(2,44,43)(3,49,48)(4,50,5)(6,57,56)(7,62,61)(2,24,23)(25,76,26)(27,29,28)(32,78,77)(33,79,34)(35,37,36)(38,80,39)(40,42,41)(45,47,46)(51,81,52)(53,55,54)(58,60,59)(67,69,68), (1,3,10)(2,7,19)(4,11,25)(5,12,26)(6,16,32)(8,20,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,38)(9,21,39)(13,27,45)(14,28,46)(15,29,47)(17,33,51)(18,34,52)(22,40,38)(19,24,39$ =Group([(1,14,50)(2,23,63)(3,28,66)(4,30,15)(5,31,13)(6,36,72)(7,41,75)(8,43,24)(9,44,22)(10,46,76)(11,48,29)(12,49,27)(16,54,79)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,48,29)(12,49,27)(16,54,79)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,48,29)(12,49,27)(16,54,79)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,48,29)(12,49,27)(16,54,79)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,59,80)(20,61,42)(19,49,27)(19,4=Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,26)(11,49,28)(13,50,30)(16,55,34)(17,57,36)(19,50,34)(19,50,34)(19,5=Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,22,1)(8,44,23)(10,47,56)(12,48,48)(15,31,50)(16,33,53)(18,36,56)(19,48,58)(21,41,61)(24,44,63)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,71)(39,59,73)(42,62,75)(47,65,76)(22,63,43)(25,65,46)(27,66,48)(27,66=Group([(1,4,13)(2,8,22)(3,11,27)(5,14,30)(2,8,22)(3,11,27)(5,14,30)(6,77,35)(7,20,40)(9,23,43)(10,25,45)(12,28,48)(15,31,50)(16,33,53)(18,36,56)(19,38,58)(21,41,61)(24,44,63)(26,46,64)(29,49,66)(32,51,67)(36,54,68)(37,55,69)(43,61,73)(44,62,74)(50,66,76)(52,68,77)(57,71,78)(63,75,76)(24,42,60)(30,48,64)(17,35,67)(24,42,60)(30,48,64)(17,35,67)(24,42,60)(30,48,64)(17,35,67)(24,42,60)(30,48,64)(17,35,67)(24,42,60)(30,48,64)(17,35,67)(36,56,76 $=Group([1,31,30)(2,44,43)(3,49,48)(4,50,5)(6,57,56)(7,62,61)(8,63,7)(15,48)(15,47,56)(27,47,39)(38,78,46)(40,70,66)(45,80,77)(48,75,53)(50,63,72)(51,65,59)(58,81,46)(67,76,73)] \\ \cong C3 \times C33(30,43,56)(31,44,57)(32,47,39)(38,78,46)(40,70,66)(45,80,77)(48,75,53)(50,63,72)(51,65,59)(58,81,46)(67,76,73)] \\ \cong C3 \times C33(30,43,56)(31,44,57)(32,47,39$  $S_{1} = S_{1} = S_{2} = S_{1} = S_{2} = S_{2} = S_{3} = S_{2} = S_{3} = S_{2} = S_{2$ = Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(1,49,28)(13,50,30)(16,55,34)(17,57,36)(19,60,39)(20,62,41)(22,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(43,62,74,59)(40,75,61)(43,74,59)(40,75,61)(43,74,59)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,69)(43,61,73)(44,62,74)(50,66,76)(56,70,77)(57,71,78)(63,75,76) $Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,7)(5,78,61)(45,76,42)(24,25,79)(28,56,60)(29,57,58)(30,69,41)(21,55,34)(17,57,36)(19,60,39)(20,62,41)(22,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,76)(44,45,55)]) \\ \cong C3 \times C38(3,17,73)(4,77,7)(5,78,61)(45,76,64)(27,66,48)(27,66,$ =Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,26)(11,49,28)(13,50,30)(14,48,26)(15,49,76)(15,4 $Group(\bar{[}(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,57)(12,78,63)(13,57,36)(19,60,32)(19,47,57)(12,78,63)(13,57,36)(19,60,32)(19,47,57)(12,78,63)(13,57,36)(19,60,32)(19,47,57)(19$ Group([(1,31,30)(2,44,43)(3,49,48)(4,50,5)(6,57,56)(7,42,43)(3,49,48)(4,50,5)(6,57,56)(7,62,61)(3,49,48)(4,50,5)(6,57,56)(7,62,61)(8,63,9)(10,65,64)(11,66,12)(13,15,14)(16,71,70)(17,72,18)(19,74,73)(20,75,21)(22,24,23)(25,76,26)(27,29,28)(32,78,77)(33,79,34)(35,37,36)(38,80,39)(40,42,41)(45,47,46)(51,81,52)(53,55,54)(58,60,59)(67,69,68)(11,74,57)(13,61,67)(14,62,68)(16,47,24)(17,28,38)(18,29,39)(20,78,31)(22,70,45)(23,71,46)(27,70,45)(23,70Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,56)(23,79,26)(24,33,76)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,79)(40,75,61)(45,76,64)(41,80,37)(12,38,35)(13,21,51)(14,75,52)(15,20,81)(16,65,63)(17,48,19)(18,49,73)(22,34,25)(23,79,26)(24,33,76)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,79)(40,75,61)(45,76,64)(41,80,37)(12,38,35)(13,21,51)(14,75,52)(15,20,81)(16,65,63)(17,48,19)(18,49,73)(22,34,25)(23,79,26)(24,33,76)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(35,72,56)(36,48)(32,69,52)(33,71,54)(36,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,48)(32,48,Group([(1,14,50)(2,23,63)(3,28,66)(4,30,15)(5,31,13)(6,36,72)(7,41,75)(8,43,24)(9,44,22)(10,46,76)(11,48,29)(12,49,27)(16,54,79)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(21,62,40)(25,64,47)(26,65,45)(32,68,81)(33,70,55)(34,71,53)(38,73,60)(39,74,58)(17,56,37)(18,57,35)(19,59,80)(20,61,42)(19,48,29)(19,48,27)(19,51,48)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48,27)(19,48,29)(19,48Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,56)(32,47,39)(38,78,46)(40,70,66)(45,78,36)(15,24,37)(19,69,26)(20,54,49)(25,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,78,46)(40,70,66)(45,80,77)(48,75,53)(50,63,72)(51,65,59)(58,81,64)(67,76,63)(19,60,52)(11,41,71)(12,42,16)(13,22,35)(14,23,36)(15,24,37)(19,69,26)(20,54,49)(25,63,43)(25,65,46)(27,66,48)(27,67,63)(27,66,48)(27,67,67)(28,62,33)(30,43,56)(31,44,57)(32,47,39)(38,78,46)(40,70,66)(45,70,70)(48,75,53)(50,63,72)(51,65,59)(58,81,64)(67,76,63)(27,66,48)(27,67,66)(27,66,48)(27,67,67)(27,66,48)(27,67,67)(27,67 $Group([(1,31,30)(2,44,43)(3,49,48)(4,50,5)(6,57,56)(7,62,61)(8,63,9)(10,65,64)(11,66,12)(13,15,14)(16,71,70)(17,72,18)(19,74,73)(20,75,21)(22,24,23)(25,76,26)(27,29,28)(32,78,77)(33,79,34)(35,37,36)(38,80,39)(40,42,41)(45,47,46)(51,81,52)(53,55,54)(58,60,59)(67,69,68), (1,60,16)(2,69,3)(4,74,33)(5,19,34)(64,75,72)]) \\ \cong C3 \times C38(31,31,32)(10,11,31,31,32)(10,11,31,32)(10,11,31,32)(10,11,31,32)(10,11,31,32)(10,11,31,32)(10,11,32)(10$ Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,57)(33,65,44)(25,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,37)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,37)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,37)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,37)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,37)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77), (1,21,32)(2,34,10)(3,69,37)(40,75,61)(40G(5, 7, 7, 3, 6, 1, 7, 7, 3, 6, 1, 7, 7, 3, 6, 1, 7, 7, 3, 6, 1, 7, 7, 3, 6, 1, 7, 7, 3, 6, 1, 7, 7, 3, 7, $Group([(1,15,5)(2,4,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,57,36)(19,40,32)(21,23,73)(24,74,75)(26,28,30)(29,31,76)(32,33,35)(34,36,77)(37,78,79)(39,41,43)(42,44,80)(47,49,50)(52,54,56)(55,57,81)(60,62,63)(69,71,72)]) \\ \cong Group([(1,15,5)(2,24,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,26)(11,49,28)(13,50,30)(16,55,34)(17,57,36)(19,60,39)(20,62,41)(22,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77)(17,25,27)(23,840)(34,45)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64)(51,78,68)(53,79,70)(58,80,73)(67,81,77)(17,25,27)(23,840)(34,45)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,72,56)(38,74,59)(40,75,61)(45,76,64$ 

Group([(1,15,5)(2,4,9)(3,29,12)(4,31,14)(6,37,18)(7,42,21)(8,44,23)(10,47,57,36)(12,69,24)(13,79,58)(14,33,59)(15,34,60)(17,57,36)(19,60,39)(20,62,41)(22,63,43)(25,65,46)(27,66,48)(32,69,52)(33,71,54)(35,79,70)(58,80,73)(67,81,77), (1,55,19)(2,29,32)(3,52,9)(4,71,38)(5,16,39)(61,47,57)(11,68,23)(12,69,42)(13,79,58)(14,33,59)(15,34,60)(17,62,25)(20,46,36)(21,47,37)(22,66,67)(27,77,43)(28,78,44)(30,53,73)(31,54,74)(35,78,58)(14,33,59)(15,34,60)(17,62,25)(20,46,36)(21,47,37)(22,66,67)(27,77,43)(28,78,44)(30,53,73)(31,54,74)(35,78,58)(31,54,74)(31,54,7

 $G_{10} = Group([(1,2,6)(3,21,55)(4,8,17)(5,9,18)(7,34,29)(10,60,52)(11,41,71)(12,42,16)(13,22,35)(14,23,36)(15,24,37)(19,69,26)(20,54,49)(25,74,68)(27,61,79)(28,62,33)(30,43,56)(31,44,57)(32,47,39)(38,78,46)(40,70,66)(45,80,77)(48,75,53)(50,63,72)(51,65,59)(58,81,64)(67,76,73)] \cong G_{10} = G_{10} =$  $=Group([(1,55,19)(2,29,32)(3,52,9)(4,71,38)(5,16,39)(6,42,10)(7,26,18)(8,49,51)(11,68,23)(12,69,24)(13,79,58)(14,33,59)(15,34,60)(17,62,25)(20,46,36)(21,47,37)(22,66,67)(27,77,43)(28,78,44)(30,53,73)(31,54,74)(35,75,45)(40,64,56)(41,65,57)(48,81,63)(50,70,80)(61,76,72)]) \\ \cong Group([(1,55,19)(2,29,32)(3,52,9)(4,71,38)(5,16,39)(6,42,10)(7,26,18)(8,49,51)(11,68,23)(12,69,24)(13,79,58)(14,33,59)(15,34,60)(17,62,25)(20,46,36)(21,47,37)(22,66,67)(27,77,43)(28,78,44)(30,53,73)(31,54,74)(35,75,45)(40,64,56)(41,65,57)(48,81,63)(50,70,80)(61,76,72)]) \\ \cong Group([(1,55,19)(2,29,32)(3,52,9)(4,71,38)(5,16,39)(6,42,10)(7,26,18)(7,26,18)(7$  $4 = Group([(1,41,67)(2,54,45)(3,74,72)(4,61,32)(5,62,77)(6,28,58)(7,78,50)(8,70,10)(9,71,64)(11,80,37)(12,38,35)(13,21,51)(14,75,52)(15,20,81)(16,65,63)(17,48,19)(18,49,73)(22,34,25)(23,79,26)(24,33,76)(27,60,57)(29,59,56)(30,42,68)(31,40,69)(36,66,39)(43,55,46)(44,53,47)]) \cong C3$  $=Group([(1,71,58)(2,49,67)(3,68,43)(4,79,19)(5,33,73)(6,62,45)(7,46,56)(8,66,32)(9,11,77)(10,17,75)(12,78,63)(13,55,38)(14,53,39)(15,54,80)(16,59,30)(18,20,64)(21,65,72)(22,29,51)(23,27,52)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(2,49,67)(3,68,43)(4,79,19)(5,33,73)(6,62,45)(7,46,56)(8,66,32)(9,11,77)(10,17,75)(12,78,63)(13,55,38)(14,53,39)(15,54,80)(16,59,30)(18,20,64)(21,65,72)(22,29,51)(23,27,52)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(2,49,67)(3,68,43)(4,79,19)(5,33,73)(6,62,45)(7,46,56)(8,66,32)(9,11,77)(10,17,75)(12,78,63)(13,55,38)(14,53,39)(15,54,80)(16,59,30)(18,20,64)(21,65,72)(22,29,51)(23,27,52)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(2,49,67)(2,49,67)(22,29,51)(23,27,52)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(2,49,67)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(2,49,67)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(2,49,67)(24,28,81)(25,35,42)(26,36,40)(31,70,60)(34,74,50)(37,41,76)(44,48,69)(47,57,61)]) \\ \cong C3roup([(1,71,58)(24,28,24)(24,28,2$ 

 $\frac{+0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{2$  $\frac{1}{\sqrt{16}} + \frac{1}{\sqrt{16}} +$  $+1\cdot\chi_2 + 1\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_7 + 0\cdot\chi_{13} + 0\cdot\chi_{14} + 0\cdot\chi_{15} + 0\cdot\chi_{16} + 0\cdot\chi_{17} + 0\cdot\chi_{18} + 1\cdot\chi_{19} + 1\cdot\chi_{20} + 1\cdot\chi_{21} + 0\cdot\chi_{22} + 0\cdot\chi_{23} + 0\cdot\chi_{24} + 0\cdot\chi_{25} + 0\cdot\chi_{26} + 0\cdot\chi_{27} + 0\cdot\chi_{28} +$ 

 $x_{3}, x_{5}, x_{5},$  $x_{3}, x_{5}, x_{5},$  $x_{5}, x_{5}, x_{5},$ 

 $\chi_5$  | 1 | 1 | E(3) |

 $\chi_8$  | 1 | 1 |  $E(3)^2$  | E(3) | 1 | 1 |  $E(3)^2$  | E(3) | E(3) | 1 |  $E(3)^2$  | E(3) | 1 |  $E(3)^2$  | E(3) | E(3) |  $E(3)^2$  | E(3) |  $E(3)^2$  | E(3) |  $E(3)^2$  | E(3)

 $1 \quad E(3)^2 \quad 1 \quad 1 \quad 1 \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad 1 \quad 1 \quad 1 \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad 1 \quad E(3) \quad E(3)^2 \quad$ 

 $1 \quad E(3)^2 \quad E(3)^2 \quad 1 \quad 1 \quad E(3)^2 \quad E(3)^2 \quad E(3) \quad E(3) \quad E(3) \quad E(3) \quad E(3)^2 \quad E(3) \quad E(3)^2 \quad E(3) \quad E(3) \quad E(3) \quad E(3) \quad E(3) \quad E(3) \quad E(3)^2 \quad E(3) \quad E(3) \quad E(3)^2 \quad E(3)^2$ 

 $1 \qquad 1 \qquad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \qquad E(3) \quad E(3)^2 \qquad 1 \qquad E(3) \quad E(3)^2 \quad E(3)^2 \quad 1 \qquad E(3) \quad E(3) \quad E(3)^2 \quad E(3) \qquad E(3)^2 \quad 1 \qquad E(3) \quad E(3)^2 \quad E(3)$ 

 $x_{1}, x_{2}, x_{3}, x_{2}, x_{3}, x_{4}, x_{5}, x_{5},$  $x_{3}, x_{5}, x_{5},$  $x_{3}, x_{5}, x_{5},$ 3, 3, 5, 13, 5, 5, 1 $x_{3}, x_{5}, x_{5},$