The group G is isomorphic to the group labelled by [72, 7] in the Small Groups library. Ordinary character table of $G \cong C2 \times (C9 : C4)$:

| | a 9 a | 36 | a 9 b | 9c | 4a $2a$ | 18a 6a | ι 18 b | 18c | 4b $2b$ | 18d | 6b | 18e | 18f | 4c $2c$ | 18g | 6c $18h$ | 18i | 4d |
|-------------|--|-------------------------|--------------------------------------|--------------------------------------|------------------------|-------------------------------------|---|--------------------------------------|------------|--------------------------------------|---------|-------------------------------------|--|------------|--------------------------------------|---|---|-------|
| χ_1 | . 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | 1 | 1 1 | 1 | 1 | 1 | 1 | 1 1 | 1 | 1 1 | 1 | 1 |
| χ_2 | . 1 | 1 | 1 | 1 | -1 1 | 1 1 | 1 | 1 | -1 -1 | -1 | -1 | -1 | -1 | 1 - 1 | −1 | -1 -1 | -1 | 1 |
| χ_3 | . 1 | 1 | 1 | 1 | -1 1 | 1 1 | 1 | 1 | -1 1 | 1 | 1 | 1 | 1 | -1 1 | 1 | 1 1 | 1 | -1 |
| χ_4 | . 1 | 1 | 1 | 1 | 1 1 | 1 1 | 1 | 1 | 1 -1 | -1 | -1 | -1 | -1 | -1 -1 | -1 | -1 -1 | -1 | -1 |
| χ_5 | . 1 | 1 | 1 | 1 | -E(4) -1 | -1 -: | $1 \qquad -1$ | -1 | E(4) -1 | -1 | -1 | -1 | -1 | E(4) 1 | 1 | 1 1 | 1 | -E(4) |
| χ_6 | . 1 | 1 | 1 | 1 | E(4) -1 | -1 -: | $1 \qquad -1$ | | -E(4) -1 | -1 | -1 | -1 | -1 | -E(4) 1 | 1 | 1 1 | 1 | E(4) |
| χ_7 | . 1 | 1 | 1 | 1 | -E(4) -1 | -1 -: | $1 \qquad -1$ | | E(4) 1 | 1 | 1 | 1 | 1 | -E(4) -1 | -1 | -1 -1 | -1 | E(4) |
| χ_8 | . 1 | 1 | 1 | 1 | E(4) -1 | -1 -: | $1 \qquad -1$ | -1 - | -E(4) 1 | 1 | 1 | 1 | 1 | E(4) -1 | -1 | -1 -1 | -1 | -E(4) |
| χ_9 | -1 | 2 | -1 | -1 | 0 -2 | 1 -: | 2 1 | 1 | 0 -2 | 1 | -2 | 1 | 1 | 0 2 | -1 | 2 -1 | -1 | 0 |
| χ_{10} | -1 | 2 | -1 | -1 | 0 -2 | 1 -: | 2 1 | 1 | 0 2 | -1 | 2 | -1 | -1 | 0 -2 | 2 1 | -2 1 | 1 | 0 |
| χ_{11} | -1 | 2 | -1 | -1 | 0 	 2 | -1 2 | -1 | -1 | 0 -2 | 1 | -2 | 1 | 1 | 0 -2 | 2 1 | -2 1 | 1 | 0 |
| χ_{12} | -1 | 2 | 2 -1 | -1 | 0 2 | -1 2 | -1 -()2 | -1 | 0 2 | -1 | 2 | -1 | -1 | 0 2 | -1 | 2 -1 | -1 | 0 |
| χ_{13} | $E - E(9)^2 - E(9)^4 -$ | | | $E(9)^4 + E(9)^5$ | $0 	 -2 	 E(9)^2 + E($ | | $-E(9)^2 - E(9)^7$ | $-E(9)^4 - E(9)^5$ | 0 -2 | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^4$ | | $-E(9)^2 - E(9)^7$ | $-E(9)^4 - E(9)^5$ | 0 2 | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | | $E(9)^4 + E(9)^5$ | 0 |
| χ_{14} | $E(9)^4 +$ | | $1 -E(9)^2 - E(9)^4 - E(9)^5 -$ | | | $E(9)^4 - E(9)^5$ 1 | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | | 0 -2 | $-E(9)^4 - E(9)^5$ | 1 	 E | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | $-E(9)^2 - E(9)^7$ | 0 2 | $E(9)^4 + E(9)^5$ | $-1 -E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5 - E(9)^6 - E(9)$ | $(9)^7 	 E(9)^2 + E(9)^7$ | 0 |
| χ_{15} | $E(9)^2 + E(9)^4$ | $E(9)^{\gamma}$ – | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | | $E(9)^2 - E(9)^7$ 1 | $-E(9)^4 - E(9)^5$ | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | 0 - 2 | $-E(9)^2 - E(9)^7$ | 1 | | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | 0 2 | $E(9)^2 + E(9)^7$ | -1 $E(9)^4 + E(9)^5$ | $-E(9)^{2} - E(9)^{4} - E(9)^{5} - E(9)^{7}$ $-E(9)^{4} - E(9)^{5}$ | 0 |
| χ_{16} | | | | $E(9)^4 + E(9)^5$ | | $(9)^4 + E(9)^5 + E(9)^7$ 1 | $-E(9)^2 - E(9)^7$ | $-E(9)^4 - E(9)^5$ | 0 2 | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | (9)' -1 | $E(9)^2 + E(9)^7$ | $E(9)^4 + E(9)^5$ | 0 - 2 | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^5$ | | $-E(9)^4 - E(9)^5$ | 0 |
| χ_{17} | $E(9)^4 + E(9)^2 + E(9)^2 + E(9)^4 + E$ | $E(9)^{5}$ — | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | | | $E(9)^4 - E(9)^5$ 1 | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | $-E(9)^2 - E(9)^7$ | 0 2 | $E(9)^4 + E(9)^5$ | -1 $-I$ | $E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | $E(9)^{2} + E(9)^{7}$ $-E(9)^{2} - E(9)^{4} - E(9)^{5} - E(9)^{7}$ | 0 - 2 | $-E(9)^4 - E(9)^5$ | $1 	 E(9)^2 + E(9)^4 + E(9)^5 + E(9)^5$ | | 0 |
| X18 | | | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | | $E(9)^2 - E(9)^7$ 1 | $-E(9)^4 - E(9)^5$ | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | 0 2 | $E(9)^2 + E(9)^7$ | -1 | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 - 2 | $\frac{1}{2} - E(9)^2 - E(9)^7$ | $1 	 -E(9)^4 - E(9)^5$ | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | 0 |
| X19 | | $E(9)^{5} - E(9)^{7} -$ | $E(9)^2 + E(9)^7$ | $E(9)^4 + E(9)^5$ | | $E(9)^4 - E(9)^5 - E(9)^7 - E(9)^7$ | $E(9)^2 + E(9)^7$ | $E(9)^4 + E(9)^5$ | 0 - 2 | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^5$ | 9)' 1 | $-E(9)^2 - E(9)^7$ | $-E(9)^4 - E(9)^5$ | 0 - 2 | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^5$ | | $ \begin{array}{ccc} -E(9)^4 - E(9)^5 \\ -E(9)^2 - E(9)^7 \end{array} $ | 0 |
| χ_{20} | $E(9)^4 +$ | | $-E(9)^2 - E(9)^4 - E(9)^5 -$ | | | $(9)^4 + E(9)^5$ -1 | $1 - E(9)^2 - E(9)^4 - E(9)^5 - E(9)^6$ | | 0 - 2 | $-E(9)^4 - E(9)^5$ | 1 	 E | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | $-E(9)^2 - E(9)^7$ | 0 - 2 | $-E(9)^4 - E(9)^5$ | 1 $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^5$ | $-E(9)^2 - E(9)^3$ | 0 |
| χ_{21} | $E(9)^2 + E(9)^4$ | E(9)' - | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 2 $E(0)$ | $(9)^2 + E(9)^7$ -1 | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 -2 | $-E(9)^2 - E(9)^7$ | 1 | | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | 0 -2 | $E(9)^2 - E(9)^7 - E(9)^7$ | $1 	 -E(9)^4 - E(9)^5$ | $E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$ | 0 |
| χ_{22} | | | | $E(9)^4 + E(9)^5$ | | $E(9)^4 - E(9)^5 - E(9)^7 - E(9)^7$ | | $E(9)^4 + E(9)^5$ | 0 2 | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | | $E(9)^2 + E(9)^7$ | $E(9)^4 + E(9)^5$ | 0 2 | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | | $E(9)^4 + E(9)^5$ | 0 |
| χ_{23} | | | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | $E(9)^7$ $E(9)^2 + E(9)^7$ | 0 2 $E($ | | $1 - E(9)^2 - E(9)^4 - E(9)^5 - E(9)^6$ | $E(9)^2 + E(9)^7$ | 0 2 | $E(9)^4 + E(9)^5$ | -1 $-E$ | $E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | $E(9)^2 + E(9)^7$ | 0 	 2 | $E(9)^4 + E(9)^5$ | $-1 -E(9)^2 - E(9)^4 - E(9)^5 - E(9)^5$ | | 0 |
| χ_{24} | $E(9)^2 +$ | E(9)' – | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 2 $E($ | $(9)^2 + E(9)^7 - 1$ | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 2 | $E(9)^2 + E(9)^7$ | -1 | $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 2 | $E(9)^2 + E(9)^7$ | -1 $E(9)^4 + E(9)^5$ | $-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$ | 0 |

Trivial source character table of $G \cong C2 \times (C9 : C4)$ at p = 3:

| Trivial source character table of $G \cong C2$ x (C9 : C4) at $p = 3$: | | | | |
|--|---|-------------------|---|---|
| Normalisers N_i | N_1 | | N_2 | N_3 |
| p-subgroups of G up to conjugacy in G | P_1 | | P_2 | P_3 |
| Representatives $n_j \in N_i$ | 1a 	 4a 	 2a 	 4b 	 2b | 4c $2c$ $4d$ | 1a 2b 4a 2a 4c 2c 4b 4 | d $\begin{vmatrix} 1a & 2b & 4a & 2a & 4c & 2c & 4b & 4d \end{vmatrix}$ |
| $\boxed{0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 1 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}$ | 9 	 E(4) 	 -9 	 -E(4) 	 -9 	 - | -E(4) 9 $E(4)$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | |
| $\left \ 0 \cdot \chi_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 + 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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 9 - E(4) - 9 E(4) - 9 | E(4) 	 9 	 -E(4) | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| $\left \ 0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \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} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \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_{24} \right $ | 9 	 E(4) 	 -9 	 -E(4) 	 9 | E(4) -9 -E(4) | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| $\left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \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} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \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_{24} \right $ | 9 - E(4) - 9 E(4) 9 - | -E(4) -9 $E(4)$ | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| $\left \ 0 \cdot \chi_1 + 1 \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} + 1 \cdot \chi_{11} + 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} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 9 -1 9 -1 -9 | 1 -9 1 | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| $\left \ 0 \cdot \chi_1 + 0 \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} + 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_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} \right $ | 9 -1 9 -1 9 | -1 9 -1 | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| $\left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \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} + 1 \cdot \chi_{11} + 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} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 9 	 1 	 9 	 1 	 -9 | -1 -9 -1 | 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 |
| $ \left[1 \cdot \chi_1 + 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} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} \right] $ | $9 \qquad 1 \qquad 9 \qquad 1 \qquad 9$ | 1 9 1 | 0 0 0 0 0 0 0 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| $\left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \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} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 3 	 E(4) 	 -3 	 -E(4) 	 -3 	 - | -E(4) 3 $E(4)$ | 3 -3 E(4) -3 -E(4) 3 -E(4) E(4) | $(4) \mid 0 0 0 0 0 0 0$ |
| $\left \ 0 \cdot \chi_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 + 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} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 3 - E(4) - 3 E(4) - 3 | E(4) 3 $-E(4)$ | 3 -3 -E(4) -3 E(4) 3 E(4) -E(4) -E(4 | $\mathcal{L}(4) \mid 0 = 0 = 0 = 0 = 0 = 0 = 0$ |
| $\left \ 0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \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} + 0 \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_{24} \right $ | 3 	 E(4) 	 -3 	 -E(4) 	 3 | E(4) -3 -E(4) | 3 3 E(4) -3 E(4) -3 -E(4) -E(4 | $\mathcal{L}(4) \mid 0 = 0 = 0 = 0 = 0 = 0 = 0$ |
| $\left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \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} + 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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 3 - E(4) - 3 E(4) 3 - | -E(4) -3 $E(4)$ | 3 3 -E(4) -3 -E(4) -3 E(4) E(4) | $(4) \mid 0 0 0 0 0 0 0$ |
| $\left \ 0 \cdot \chi_1 + 1 \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} + 1 \cdot \chi_{11} + 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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 3 -1 3 -1 -3 | 1 -3 1 | 3 -3 -1 3 1 -3 -1 1 | 1 0 0 0 0 0 0 0 |
| $\left 1 \cdot \chi_{1} + 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} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | $3 \qquad 1 \qquad 3 \qquad 1 \qquad 3$ | 1 3 1 | 3 3 1 3 1 3 1 | 1 0 0 0 0 0 0 0 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 3 -1 3 -1 3 | -1 3 -1 | 3 3 -1 3 -1 -1 - | -1 0 0 0 0 0 0 0 |
| $ \left[0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \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} + 1 \cdot \chi_{11} + 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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right] $ | 3 	 1 	 3 	 1 	 -3 | -1 -3 -1 | 3 -3 1 3 -1 -3 1 - | -1 0 0 0 0 0 0 0 |
| $\left 1 \cdot \chi_{1} + 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} + 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_{24} \right $ | $1 \qquad 1 \qquad 1 \qquad 1 \qquad 1$ | 1 1 1 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1 1 1 1 1 1 1 1 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1 -1 1 -1 -1 | 1 -1 1 | 1 -1 -1 1 1 -1 -1 1 | 1 1 -1 -1 1 1 -1 -1 1 |
| $ \left \begin{array}{c} 0 \cdot \chi_{1} + 0 \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} + 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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \end{array} \right $ | 1 -1 1 -1 1 | -1 1 -1 | 1 1 -1 1 -1 1 -1 - | -1 1 1 -1 1 -1 -1 |
| $\left \begin{array}{cccccccccccccccccccccccccccccccccccc$ | 1 	 1 	 1 	 1 	 -1 | -1 -1 -1 | 1 -1 1 1 -1 -1 1 - | -1 1 -1 1 1 -1 -1 1 -1 |
| $\left \ 0 \cdot \chi_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 + 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} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 1 -E(4) -1 E(4) -1 | E(4) 1 $-E(4)$ | 1 -1 -E(4) -1 E(4) 1 E(4) -E(4) -E(4 | $E(4) \mid 1 -1 -E(4) -1 E(4) 1 E(4) -E(4) \mid$ |
| $\left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \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} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 1 $E(4)$ -1 $-E(4)$ -1 - | -E(4) 1 $E(4)$ | | (4) 1 -1 E(4) -1 -E(4) 1 -E(4) E(4) |
| $\left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \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} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \right $ | 1 $E(4)$ -1 $-E(4)$ 1 | E(4) -1 -E(4) | 1 1 $E(4)$ -1 $E(4)$ -1 $-E(4)$ -E | $E(4) \mid 1 1 E(4) -1 E(4) -1 -E(4) -E(4) \mid$ |
| $\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}$ | 1 - E(4) - 1 E(4) 1 - | -E(4) -1 $E(4)$ | | (4) 1 1 -E(4) -1 -E(4) -1 E(4) E(4) |

 $P_1 = Group([()]) \cong 1$

 $P_2 = Group([(7, 9, 12)(8, 11, 14)(10, 13, 15)]) \cong C3$

 $P_3 = Group([(7, 9, 12)(8, 11, 14)(10, 13, 15), (7, 13, 11, 9, 15, 14, 12, 10, 8)]) \cong C9$

 $N_1 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_2 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_3 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_4 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_4 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_5 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_5 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_5 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4) \\ N_5 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(14,14)(15,14,15),(1,2)(14,15,14)(14,15),(1,2)(14,15)(14,1$

 $N_3 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong C2 \times (C9 : C4)$