

The group G is isomorphic to the group labelled by [24, 11] in the Small Groups library.

Ordinary character table of $G \cong \text{C3} \times \text{Q8}$:

	1a	4a	4b	3a	2a	4c	12a	12b	3b	6a	12c	12d	12e	6b	12f
χ_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
χ_3	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
χ_5	1	-1	-1	$E(3)^2$	1	1	$-E(3)^2$	$-E(3)^2$	$E(3)$	$E(3)^2$	$E(3)^2$	$-E(3)$	$-E(3)$	$E(3)$	$E(3)$
χ_6	1	-1	-1	$E(3)$	1	1	$-E(3)$	$-E(3)$	$E(3)^2$	$E(3)$	$E(3)$	$-E(3)^2$	$-E(3)^2$	$E(3)^2$	$E(3)^2$
χ_7	1	-1	1	$E(3)^2$	1	-1	$-E(3)^2$	$E(3)^2$	$E(3)$	$E(3)^2$	$-E(3)^2$	$-E(3)$	$E(3)$	$E(3)$	$-E(3)$
χ_8	1	-1	1	$E(3)$	1	-1	$-E(3)$	$E(3)$	$E(3)^2$	$E(3)$	$-E(3)$	$-E(3)^2$	$E(3)^2$	$E(3)^2$	$-E(3)^2$
χ_9	1	1	-1	$E(3)^2$	1	-1	$E(3)^2$	$-E(3)^2$	$E(3)$	$E(3)^2$	$-E(3)^2$	$E(3)$	$-E(3)$	$E(3)$	$-E(3)$
χ_{10}	1	1	-1	$E(3)$	1	-1	$E(3)$	$-E(3)$	$E(3)^2$	$E(3)$	$-E(3)$	$E(3)^2$	$-E(3)^2$	$E(3)^2$	$-E(3)^2$
χ_{11}	1	1	1	$E(3)^2$	1	1	$E(3)^2$	$E(3)^2$	$E(3)$	$E(3)^2$	$E(3)^2$	$E(3)$	$E(3)$	$E(3)$	$E(3)$
χ_{12}	1	1	1	$E(3)$	1	1	$E(3)$	$E(3)$	$E(3)^2$	$E(3)$	$E(3)$	$E(3)^2$	$E(3)^2$	$E(3)^2$	$E(3)^2$
χ_{13}	2	0	0	2	-2	0	0	0	2	-2	0	0	0	-2	0
χ_{14}	2	0	0	$2 * E(3)^2$	-2	0	0	0	$2 * E(3)$	$-2 * E(3)^2$	0	0	0	$-2 * E(3)$	0
χ_{15}	2	0	0	$2 * E(3)$	-2	0	0	0	$2 * E(3)^2$	$-2 * E(3)$	0	0	0	$-2 * E(3)^2$	0

Trivial source character table of $G \cong \text{C3} \times \text{Q8}$ at $p = 3$:

Normalisers N_i	N_1					N_2				
p -subgroups of G up to conjugacy in G	P_1					P_2				
Representatives $n_j \in N_i$	1a	4a	4b	2a	4c	1a	4b	4a	2a	4c
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	3	3	3	3	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	-3	-3	3	3	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	-3	3	3	-3	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	3	-3	3	-3	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15}$	6	0	0	-6	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	1	-1	1	-1	1	-1	1	1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	-1	1	1	-1	1	1	-1	1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	-1	-1	1	1	1	-1	-1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	2	0	0	-2	0	2	0	0	-2	0

$$P_1 = \text{Group}([(())]) \cong 1$$

$$P_2 = \text{Group}([(1, 4, 11)(2, 7, 15)(3, 9, 17)(5, 12, 19)(6, 13, 20)(8, 16, 22)(10, 18, 23)(14, 21, 24)]) \cong \text{C3}$$

$$N_1 = \text{Group}([(1, 2, 5, 8)(3, 14, 10, 6)(4, 7, 12, 16)(9, 21, 18, 13)(11, 15, 19, 22)(17, 24, 23, 20), (1, 3, 5, 10)(2, 6, 8, 14)(4, 9, 12, 18)(7, 13, 16, 21)(11, 17, 19, 23)(15, 20, 22, 24), (1, 4, 11)(2, 7, 15)(3, 9, 17)(5, 12, 19)(6, 13, 20)(8, 16, 22)(10, 18, 23)(14, 21, 24), (1, 5)(2, 8)(3, 10)(4, 12)(6, 14)(7, 16)(9, 18)(11, 19)(13, 21)(15, 22)(17, 23)(20, 24)]) \cong \text{C3} \times \text{Q8}$$

$$N_2 = \text{Group}([(1, 4, 11)(2, 7, 15)(3, 9, 17)(5, 12, 19)(6, 13, 20)(8, 16, 22)(10, 18, 23)(14, 21, 24), (1, 2, 5, 8)(3, 14, 10, 6)(4, 7, 12, 16)(9, 21, 18, 13)(11, 15, 19, 22)(17, 24, 23, 20), (1, 3, 5, 10)(2, 6, 8, 14)(4, 9, 12, 18)(7, 13, 16, 21)(11, 17, 19, 23)(15, 20, 22, 24)]) \cong \text{C3} \times \text{Q8}$$