

The group G is isomorphic to the group labelled by [72, 19] in the Small Groups library.

Ordinary character table of $G \cong (\text{C3} \times \text{C3}) : \text{C8}$:

	1a	3a	3b	8a	4a	8b	2a	6a	6b	8c	4b	8d
χ_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
χ_3	1	1	1	$-E(4)$	-1	$E(4)$	1	1	1	$-E(4)$	-1	$E(4)$
χ_4	1	1	1	$E(4)$	-1	$-E(4)$	1	1	1	$E(4)$	-1	$-E(4)$
χ_5	1	1	1	$-E(8)$	$E(4)$	$-E(8)^3$	-1	-1	-1	$E(8)$	$-E(4)$	$E(8)^3$
χ_6	1	1	1	$-E(8)^3$	$-E(4)$	$-E(8)$	-1	-1	-1	$E(8)^3$	$E(4)$	$E(8)$
χ_7	1	1	1	$E(8)^3$	$-E(4)$	$E(8)$	-1	-1	-1	$-E(8)^3$	$E(4)$	$-E(8)$
χ_8	1	1	1	$E(8)$	$E(4)$	$E(8)^3$	-1	-1	-1	$-E(8)$	$-E(4)$	$-E(8)^3$
χ_9	4	-2	1	0	0	0	-4	2	-1	0	0	0
χ_{10}	4	-2	1	0	0	0	4	-2	1	0	0	0
χ_{11}	4	1	-2	0	0	0	-4	-1	2	0	0	0
χ_{12}	4	1	-2	0	0	0	4	1	-2	0	0	0

Trivial source character table of $G \cong (\text{C3} \times \text{C3}) : \text{C8}$ at $p = 2$:

Normalisers N_i	N_1			N_2			N_3	N_4
p -subgroups of G up to conjugacy in G	P_1			P_2			P_3	P_4
Representatives $n_j \in N_i$	1a	3a	3b	1a	3a	3b	1a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	8	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12}$	8	2	-4	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	-4	2	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	4	4	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	4	1	-2	4	1	-2	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	1	4	-2	1	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1

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

$$P_2 = \text{Group}([(1, 5)(2, 6)(3, 7)(4, 8)]) \cong \text{C2}$$

$$P_3 = \text{Group}([(1, 5)(2, 6)(3, 7)(4, 8), (1, 7, 5, 3)(2, 8, 6, 4)(11, 12)(13, 14)]) \cong \text{C4}$$

$$P_4 = \text{Group}([(1, 5)(2, 6)(3, 7)(4, 8), (1, 7, 5, 3)(2, 8, 6, 4)(11, 12)(13, 14), (1, 4, 7, 2, 5, 8, 3, 6)(9, 10)(11, 14, 12, 13)]) \cong \text{C8}$$

$$N_1 = \text{Group}([(1, 4, 7, 2, 5, 8, 3, 6)(9, 10)(11, 14, 12, 13), (1, 7, 5, 3)(2, 8, 6, 4)(11, 12)(13, 14), (1, 5)(2, 6)(3, 7)(4, 8), (9, 11, 12)(10, 13, 14), (10, 14, 13)]) \cong (\text{C3} \times \text{C3}) : \text{C8}$$

$$N_2 = \text{Group}([(1, 4, 7, 2, 5, 8, 3, 6)(9, 10)(11, 14, 12, 13), (1, 7, 5, 3)(2, 8, 6, 4)(11, 12)(13, 14), (1, 5)(2, 6)(3, 7)(4, 8), (9, 11, 12)(10, 13, 14), (10, 14, 13)]) \cong (\text{C3} \times \text{C3}) : \text{C8}$$

$$N_3 = \text{Group}([(1, 3, 5, 7)(2, 4, 6, 8)(11, 12)(13, 14), (1, 6, 3, 8, 5, 2, 7, 4)(9, 10)(11, 13, 12, 14), (1, 5)(2, 6)(3, 7)(4, 8)]) \cong \text{C8}$$

$$N_4 = \text{Group}([(1, 8, 7, 6, 5, 4, 3, 2)(9, 10)(11, 14, 12, 13), (1, 3, 5, 7)(2, 4, 6, 8)(11, 12)(13, 14), (1, 5)(2, 6)(3, 7)(4, 8)]) \cong \text{C8}$$