

The group G is isomorphic to the group labelled by [30, 1] in the Small Groups library.

Ordinary character table of $G \cong C5 \times S3$:

	1a	2a	5a	3a	10a	5b	15a	10b	5c	15b	10c	5d	15c	10d	15d
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	$E(5)^4$	1	$-E(5)^4$	$E(5)^3$	$E(5)^4$	$-E(5)^3$	$E(5)^2$	$E(5)^3$	$-E(5)^2$	$E(5)$	$E(5)^2$	$-E(5)$	$E(5)$
χ_4	1	-1	$E(5)^3$	1	$-E(5)^3$	$E(5)$	$E(5)^3$	$-E(5)$	$E(5)^4$	$E(5)$	$-E(5)^4$	$E(5)^2$	$E(5)^4$	$-E(5)^2$	$E(5)^2$
χ_5	1	-1	$E(5)^2$	1	$-E(5)^2$	$E(5)^4$	$E(5)^2$	$-E(5)^4$	$E(5)$	$E(5)^4$	$-E(5)$	$E(5)^3$	$E(5)$	$-E(5)^3$	$E(5)^3$
χ_6	1	-1	$E(5)$	1	$-E(5)$	$E(5)^2$	$E(5)$	$-E(5)^2$	$E(5)^3$	$E(5)^2$	$-E(5)^3$	$E(5)^4$	$E(5)^3$	$-E(5)^4$	$E(5)^4$
χ_7	1	1	$E(5)^4$	1	$E(5)^4$	$E(5)^3$	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)^3$	$E(5)^2$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)$
χ_8	1	1	$E(5)^3$	1	$E(5)^3$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^2$
χ_9	1	1	$E(5)^2$	1	$E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^4$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)^3$	$E(5)^3$
χ_{10}	1	1	$E(5)$	1	$E(5)$	$E(5)^2$	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^2$	$E(5)^3$	$E(5)^4$	$E(5)^3$	$E(5)^4$	$E(5)^4$
χ_{11}	2	0	2	-1	0	2	-1	0	2	-1	0	2	-1	0	-1
χ_{12}	2	0	$2 * E(5)^2$	-1	0	$2 * E(5)^4$	$-E(5)^2$	0	$2 * E(5)$	$-E(5)^4$	0	$2 * E(5)^3$	$-E(5)$	0	$-E(5)^3$
χ_{13}	2	0	$2 * E(5)$	-1	0	$2 * E(5)^2$	$-E(5)$	0	$2 * E(5)^3$	$-E(5)^2$	0	$2 * E(5)^4$	$-E(5)^3$	0	$-E(5)^4$
χ_{14}	2	0	$2 * E(5)^4$	-1	0	$2 * E(5)^3$	$-E(5)^4$	0	$2 * E(5)^2$	$-E(5)^3$	0	$2 * E(5)$	$-E(5)^2$	0	$-E(5)$
χ_{15}	2	0	$2 * E(5)^3$	-1	0	$2 * E(5)$	$-E(5)^3$	0	$2 * E(5)^4$	$-E(5)$	0	$2 * E(5)^2$	$-E(5)^4$	0	$-E(5)^2$

Trivial source character table of $G \cong C5 \times S3$ at $p = 5$:

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	2a	3a	1a	2a	3a
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	5	5	5	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	5	-5	5	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15}$	10	0	-5	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
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	-1	1	1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	2	0	-1	2	0	-1

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

$$P_2 = \text{Group}([(1, 3, 7, 13, 19)(2, 5, 10, 16, 22)(4, 8, 14, 20, 25)(6, 11, 17, 23, 27)(9, 15, 21, 26, 29)(12, 18, 24, 28, 30)]) \cong C5$$

$$N_1 = \text{Group}([(1, 2)(3, 5)(4, 12)(6, 9)(7, 10)(8, 18)(11, 15)(13, 16)(14, 24)(17, 21)(19, 22)(20, 28)(23, 26)(25, 30)(27, 29), (1, 3, 7, 13, 19)(2, 5, 10, 16, 22)(4, 8, 14, 20, 25)(6, 11, 17, 23, 27)(9, 15, 21, 26, 29)(12, 18, 24, 28, 30), (1, 4, 9)(2, 6, 12)(3, 8, 15)(5, 11, 18)(7, 14, 21)(10, 17, 24)(13, 20, 26)(16, 23, 28)(19, 25, 29)(22, 27, 30)]) \cong C5 \times S3$$

$$N_2 = \text{Group}([(1, 3, 7, 13, 19)(2, 5, 10, 16, 22)(4, 8, 14, 20, 25)(6, 11, 17, 23, 27)(9, 15, 21, 26, 29)(12, 18, 24, 28, 30), (1, 2)(3, 5)(4, 12)(6, 9)(7, 10)(8, 18)(11, 15)(13, 16)(14, 24)(17, 21)(19, 22)(20, 28)(23, 26)(25, 30)(27, 29), (1, 4, 9)(2, 6, 12)(3, 8, 15)(5, 11, 18)(7, 14, 21)(10, 17, 24)(13, 20, 26)(16, 23, 28)(19, 25, 29)(22, 27, 30)]) \cong C5 \times S3$$