

The group G is isomorphic to the group labelled by [36, 1] in the Small Groups library.
 Ordinary character table of $G \cong C9 : C4$:

	1a	2a	9a	4a	18a	9b	4b	18b	18c	9c	6a	3a
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	1	$E(4)$	-1	-1	1	-1	1
χ_4	1	-1	1	$E(4)$	-1	1	$-E(4)$	-1	-1	1	-1	1
χ_5	2	-2	-1	0	1	-1	0	1	1	-1	-2	2
χ_6	2	2	-1	0	-1	-1	0	-1	-1	-1	2	2
χ_7	2	2	$E(9)^2 + E(9)^7$	0	$E(9)^2 + E(9)^7$	$E(9)^4 + E(9)^5$	0	$E(9)^4 + E(9)^5$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	-1	-1
χ_8	2	2	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	0	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$E(9)^2 + E(9)^7$	0	$E(9)^2 + E(9)^7$	$E(9)^4 + E(9)^5$	$E(9)^4 + E(9)^5$	-1	-1
χ_9	2	2	$E(9)^4 + E(9)^5$	0	$E(9)^4 + E(9)^5$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	0	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$E(9)^2 + E(9)^7$	$E(9)^2 + E(9)^7$	-1	-1
χ_{10}	2	-2	$E(9)^2 + E(9)^7$	0	$-E(9)^2 - E(9)^7$	$E(9)^4 + E(9)^5$	0	$-E(9)^4 - E(9)^5$	$E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	1	-1
χ_{11}	2	-2	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	0	$E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$	$E(9)^2 + E(9)^7$	0	$-E(9)^2 - E(9)^7$	$-E(9)^4 - E(9)^5$	$E(9)^4 + E(9)^5$	1	-1
χ_{12}	2	-2	$E(9)^4 + E(9)^5$	0	$-E(9)^4 - E(9)^5$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	0	$E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$	$-E(9)^2 - E(9)^7$	$E(9)^2 + E(9)^7$	1	-1

Trivial source character table of $G \cong C9 : C4$ at $p = 2$:

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	9a	3a	9b	9c	1a	9c	3a	9a	9b	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	4	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	-2	4	-2	-2	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	$2 * E(9)^2 + 2 * E(9)^7$	-2	$2 * E(9)^4 + 2 * E(9)^5$	$-2 * E(9)^2 - 2 * E(9)^4 - 2 * E(9)^5 - 2 * E(9)^7$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	$-2 * E(9)^2 - 2 * E(9)^4 - 2 * E(9)^5 - 2 * E(9)^7$	-2	$2 * E(9)^2 + 2 * E(9)^7$	$2 * E(9)^4 + 2 * E(9)^5$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	4	$2 * E(9)^4 + 2 * E(9)^5$	-2	$-2 * E(9)^2 - 2 * E(9)^4 - 2 * E(9)^5 - 2 * E(9)^7$	$2 * E(9)^2 + 2 * E(9)^7$	0	0	0	0	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	2	2	2	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	-1	2	-1	-1	2	-1	2	-1	-1	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	$E(9)^2 + E(9)^7$	-1	$E(9)^4 + E(9)^5$	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	2	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	-1	$E(9)^2 + E(9)^7$	$E(9)^4 + E(9)^5$	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	-1	$E(9)^2 + E(9)^7$	$E(9)^4 + E(9)^5$	2	$E(9)^4 + E(9)^5$	-1	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$E(9)^2 + E(9)^7$	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	$E(9)^4 + E(9)^5$	-1	$-E(9)^2 - E(9)^4 - E(9)^5 - E(9)^7$	$E(9)^2 + E(9)^7$	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1

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

$$P_2 = \text{Group}([(1, 3)(2, 6)(4, 9)(5, 10)(7, 14)(8, 15)(11, 19)(12, 20)(13, 21)(16, 24)(17, 25)(18, 26)(22, 29)(23, 30)(27, 32)(28, 33)(31, 35)(34, 36)]) \cong C2$$

$$P_3 = \text{Group}([(1, 3)(2, 6)(4, 9)(5, 10)(7, 14)(8, 15)(11, 19)(12, 20)(13, 21)(16, 24)(17, 25)(18, 26)(22, 29)(23, 30)(27, 32)(28, 33)(31, 35)(34, 36), (1, 2, 3, 6)(4, 27, 9, 32)(5, 18, 10, 26)(7, 29, 14, 22)(8, 21, 15, 13)(11, 17, 19, 25)(12, 16, 20, 24)(23, 34, 30, 36)(28, 35, 33, 31)]) \cong C4$$

$$N_1 = \text{Group}([(1, 2, 3, 6)(4, 27, 9, 32)(5, 18, 10, 26)(7, 29, 14, 22)(8, 21, 15, 13)(11, 17, 19, 25)(12, 16, 20, 24)(23, 34, 30, 36)(28, 35, 33, 31), (1, 3)(2, 6)(4, 9)(5, 10)(7, 14)(8, 15)(11, 19)(12, 20)(13, 21)(16, 24)(17, 25)(18, 26)(22, 29)(23, 30)(27, 32)(28, 33)(31, 35)(34, 36), (1, 4, 11, 13, 23, 31, 5, 12, 22)(2, 7, 16, 18, 28, 34, 8, 17, 27)(3, 9, 19, 21, 30, 35, 10, 20, 29)(6, 14, 24, 26, 33, 36, 15, 25, 32), (1, 5, 13)(2, 8, 18)(3, 10, 21)(4, 12, 23)(6, 15, 26)(7, 17, 28)(9, 20, 30)(11, 22, 31)(14, 25, 33)(16, 27, 34)(19, 29, 35)(24, 32, 36)]) \cong C9 : C4$$

$$N_2 = \text{Group}([(1, 2, 3, 6)(4, 27, 9, 32)(5, 18, 10, 26)(7, 29, 14, 22)(8, 21, 15, 13)(11, 17, 19, 25)(12, 16, 20, 24)(23, 34, 30, 36)(28, 35, 33, 31), (1, 3)(2, 6)(4, 9)(5, 10)(7, 14)(8, 15)(11, 19)(12, 20)(13, 21)(16, 24)(17, 25)(18, 26)(22, 29)(23, 30)(27, 32)(28, 33)(31, 35)(34, 36), (1, 4, 11, 13, 23, 31, 5, 12, 22)(2, 7, 16, 18, 28, 34, 8, 17, 27)(3, 9, 19, 21, 30, 35, 10, 20, 29)(6, 14, 24, 26, 33, 36, 15, 25, 32), (1, 5, 13)(2, 8, 18)(3, 10, 21)(4, 12, 23)(6, 15, 26)(7, 17, 28)(9, 20, 30)(11, 22, 31)(14, 25, 33)(16, 27, 34)(19, 29, 35)(24, 32, 36)]) \cong C9 : C4$$

$$N_3 = \text{Group}([(1, 2, 3, 6)(4, 27, 9, 32)(5, 18, 10, 26)(7, 29, 14, 22)(8, 21, 15, 13)(11, 17, 19, 25)(12, 16, 20, 24)(23, 34, 30, 36)(28, 35, 33, 31), (1, 3)(2, 6)(4, 9)(5, 10)(7, 14)(8, 15)(11, 19)(12, 20)(13, 21)(16, 24)(17, 25)(18, 26)(22, 29)(23, 30)(27, 32)(28, 33)(31, 35)(34, 36)]) \cong C4$$