

The group G is isomorphic to the group labelled by [60, 7] in the Small Groups library.

Ordinary character table of $G \cong C15 : C4$:

	1a	3a	5a	15a	15b	2a	6a	4a	4b
χ_1	1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	1	1	1	-1	-1
χ_3	1	1	1	1	1	-1	-1	$E(4)$	$-E(4)$
χ_4	1	1	1	1	1	-1	-1	$-E(4)$	$E(4)$
χ_5	4	4	-1	-1	-1	0	0	0	0
χ_6	2	-1	2	-1	-1	-2	1	0	0
χ_7	2	-1	2	-1	-1	2	-1	0	0
χ_8	4	-2	-1	$E(15)^7 + E(15)^{11} + E(15)^{13} + E(15)^{14}$	$E(15) + E(15)^2 + E(15)^4 + E(15)^8$	0	0	0	0
χ_9	4	-2	-1	$E(15) + E(15)^2 + E(15)^4 + E(15)^8$	$E(15)^7 + E(15)^{11} + E(15)^{13} + E(15)^{14}$	0	0	0	0

Trivial source character table of $G \cong C15 : C4$ 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	3a	5a	15a	15b	1a	3a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	4	4	4	4	4	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	4	4	-1	-1	-1	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	4	-2	4	-2	-2	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	4	-2	-1	$E(15)^7 + E(15)^{11} + E(15)^{13} + E(15)^{14}$	$E(15) + E(15)^2 + E(15)^4 + E(15)^8$	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	4	-2	-1	$E(15) + E(15)^2 + E(15)^4 + E(15)^8$	$E(15)^7 + E(15)^{11} + E(15)^{13} + E(15)^{14}$	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	2	2	2	2	2	2	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	-1	2	-1	-1	2	-1	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	1	1	1	1	1	1	1

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

$P_2 = Group([(1, 3)(2, 6)(4, 9)(5, 45)(7, 14)(8, 50)(10, 36)(11, 19)(12, 54)(13, 33)(15, 42)(16, 25)(17, 57)(18, 39)(20, 47)(21, 24)(22, 59)(23, 44)(26, 52)(27, 30)(28, 60)(29, 49)(31, 55)(32, 35)(34, 53)(37, 58)(38, 41)(40, 56)(43, 46)(48, 51)]) \cong C2$

$P_3 = Group([(1, 3)(2, 6)(4, 9)(5, 45)(7, 14)(8, 50)(10, 36)(11, 19)(12, 54)(13, 33)(15, 42)(16, 25)(17, 57)(18, 39)(20, 47)(21, 24)(22, 59)(23, 44)(26, 52)(27, 30)(28, 60)(29, 49)(31, 55)(32, 35)(34, 53)(37, 58)(38, 41)(40, 56)(43, 46)(48, 51), (1, 2, 3, 6)(4, 16, 9, 25)(5, 30, 45, 27)(7, 19, 14, 11)(8, 33, 50, 13)(10, 39, 36, 18)(12, 51, 54, 48)(15, 24, 42, 21)(17, 53, 57, 34)(20, 56, 47, 40)(22, 41, 59, 38)(23, 28, 44, 60)(26, 46, 52, 43)(29, 31, 49, 55)(32, 37, 35, 58)]) \cong C4$

$N_1 = Group([(1, 2, 3, 6)(4, 16, 9, 25)(5, 30, 45, 27)(7, 19, 14, 11)(8, 33, 50, 13)(10, 39, 36, 18)(12, 51, 54, 48)(15, 24, 42, 21)(17, 53, 57, 34)(20, 56, 47, 40)(22, 41, 59, 38)(23, 28, 44, 60)(26, 46, 52, 43)(29, 31, 49, 55)(32, 37, 35, 58), (1, 3)(2, 6)(4, 9)(5, 45)(7, 14)(8, 50)(10, 36)(11, 19)(12, 54)(13, 33)(15, 42)(16, 25)(17, 57)(18, 39)(20, 47)(21, 24)(22, 59)(23, 44)(26, 52)(27, 30)(28, 60)(29, 49)(31, 55)(32, 35)(34, 53)(37, 58)(38, 41)(40, 56)(43, 46)(48, 51), (1, 4, 11)(2, 7, 16)(3, 9, 19)(5, 12, 22)(6, 14, 25)(8, 17, 28)(10, 20, 31)(13, 23, 34)(15, 26, 37)(18, 29, 40)(21, 32, 43)(24, 35, 46)(27, 38, 48)(30, 41, 51)(33, 44, 53)(36, 47, 55)(39, 49, 56)(42, 52, 58)(45, 54, 59)(50, 57, 60), (1, 5, 13, 24, 36)(2, 8, 18, 30, 42)(3, 10, 21, 33, 45)(4, 12, 23, 35, 47)(6, 15, 27, 39, 50)(7, 17, 29, 41, 52)(9, 20, 32, 44, 54)(11, 22, 34, 46, 55)(14, 26, 38, 49, 57)(16, 28, 40, 51, 58)(19, 31, 43, 53, 59)(25, 37, 48, 56, 60)]) \cong C15 : C4$

$N_2 = Group([(1, 3)(2, 6)(4, 9)(5, 45)(7, 14)(8, 50)(10, 36)(11, 19)(12, 54)(13, 33)(15, 42)(16, 25)(17, 57)(18, 39)(20, 47)(21, 24)(22, 59)(23, 44)(26, 52)(27, 30)(28, 60)(29, 49)(31, 55)(32, 35)(34, 53)(37, 58)(38, 41)(40, 56)(43, 46)(48, 51), (1, 2, 3, 6)(4, 16, 9, 25)(5, 30, 45, 27)(7, 19, 14, 11)(8, 33, 50, 13)(10, 39, 36, 18)(12, 51, 54, 48)(15, 24, 42, 21)(17, 53, 57, 34)(20, 56, 47, 40)(22, 41, 59, 38)(23, 28, 44, 60)(26, 46, 52, 43)(29, 31, 49, 55)(32, 37, 35, 58), (1, 11, 4)(2, 16, 7)(3, 19, 9)(5, 22, 12)(6, 25, 14)(8, 28, 17)(10, 31, 20)(13, 34, 23)(15, 37, 26)(18, 40, 29)(21, 43, 32)(24, 46, 35)(27, 48, 38)(30, 51, 41)(33, 53, 44)(36, 55, 47)(39, 56, 49)(42, 58, 52)(45, 59, 54)(50, 60, 57)]) \cong C3 : C4$

$N_3 = Group([(1, 2, 3, 6)(4, 16, 9, 25)(5, 30, 45, 27)(7, 19, 14, 11)(8, 33, 50, 13)(10, 39, 36, 18)(12, 51, 54, 48)(15, 24, 42, 21)(17, 53, 57, 34)(20, 56, 47, 40)(22, 41, 59, 38)(23, 28, 44, 60)(26, 46, 52, 43)(29, 31, 49, 55)(32, 37, 35, 58), (1, 3)(2, 6)(4, 9)(5, 45)(7, 14)(8, 50)(10, 36)(11, 19)(12, 54)(13, 33)(15, 42)(16, 25)(17, 57)(18, 39)(20, 47)(21, 24)(22, 59)(23, 44)(26, 52)(27, 30)(28, 60)(29, 49)(31, 55)(32, 35)(34, 53)(37, 58)(38, 41)(40, 56)(43, 46)(48, 51)]) \cong C4$