

The group G is isomorphic to the group labelled by [48, 18] in the Small Groups library.
 Ordinary character table of $G \cong C_3 : Q_{16}$:

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

Trivial source character table of $G \cong C_3 : Q_{16}$ at $p = 3$:

Normalisers N_i	N_1							N_2						
	P_1							P_2						
Representatives $n_j \in N_i$	1a	4a	4b	4c	2a	8a	8b	1a	4b	4a	2a	8a	4c	8b
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	3	3	3	1	1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	3	3	3	-1	-1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	-1	-3	3	3	1	1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	3	1	-3	3	3	-1	-1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	6	0	0	-6	6	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	6	0	0	0	-6	$E(8) - E(8)^3$	$-E(8) + E(8)^3$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	6	0	0	0	-6	$-E(8) + E(8)^3$	$E(8) - E(8)^3$	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	-1	1	1	1	1	-1	-1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	1	1	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	1	-1	1	1	-1	-1	1	-1	1	-1	1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	0	0	-2	2	0	0	2	0	2	0	-2	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	0	0	0	-2	$E(8) - E(8)^3$	$-E(8) + E(8)^3$	2	0	0	-2	$E(8) - E(8)^3$	0	$-E(8) + E(8)^3$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	0	0	0	-2	$-E(8) + E(8)^3$	$E(8) - E(8)^3$	2	0	0	-2	$-E(8) + E(8)^3$	0	$E(8) - E(8)^3$

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

$$P_2 = \text{Group}([(1, 17, 6)(2, 24, 10)(3, 28, 13)(4, 30, 15)(5, 31, 16)(7, 35, 20)(8, 37, 22)(9, 38, 23)(11, 40, 26)(12, 41, 27)(14, 42, 29)(18, 44, 33)(19, 45, 34)(21, 46, 36)(25, 47, 39)(32, 48, 43)]) \cong C_3$$

$$N_1 = \text{Group}([(1, 2, 5, 9)(3, 18, 12, 32)(4, 21, 14, 8)(6, 24, 16, 38)(7, 25, 19, 11)(10, 31, 23, 17)(13, 44, 27, 48)(15, 46, 29, 37)(20, 47, 34, 40)(22, 30, 36, 42)(26, 35, 39, 45)(28, 33, 41, 43)(1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 48, 46, 44)(1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48)(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23, 27)(14, 21, 25, 30)(17, 22, 26, 31)(18, 23, 27, 32)(19, 24, 28, 33)(20, 25, 29, 34)(21, 26, 30, 35)(22, 27, 31, 36)(23, 28, 32, 37)(24, 29, 33, 38)(25, 30, 34, 39)(26, 31, 35, 40)(27, 32, 36, 41)(28, 33, 37, 42)(29, 34, 38, 43)(30, 35, 39, 44)(31, 36, 40, 45)(32, 37, 41, 46)(33, 38, 42, 47)(34, 39, 43, 48)(35, 40, 44, 49)(36, 41, 45, 50)(37, 42, 46, 51)(38, 43, 47, 52)(39, 44, 48, 53)(40, 45, 49, 54)(41, 46, 50, 55)(42, 47, 51, 56)(43, 48, 52, 57)(44, 49, 53, 58)(45, 50, 54, 59)(46, 51, 55, 60)(47, 52, 56, 61)(48, 53, 57, 62)(49, 54, 58, 63)(50, 55, 59, 64)(51, 56, 60, 65)(52, 57, 61, 66)(53, 58, 62, 67)(54, 59, 63, 68)(55, 60, 64, 69)(56, 61, 65, 70)(57, 62, 66, 71)(58, 63, 67, 72)(59, 64, 68, 73)(60, 65, 69, 74)(61, 66, 70, 75)(62, 67, 71, 76)(63, 68, 72, 77)(64, 69, 73, 78)(65, 70, 74, 79)(66, 71, 75, 80)(67, 72, 76, 81)(68, 73, 77, 82)(69, 74, 78, 83)(70, 75, 79, 84)(71, 76, 80, 85)(72, 77, 81, 86)(73, 78, 82, 87)(74, 79, 83, 88)(75, 80, 84, 89)(76, 81, 85, 90)(77, 82, 86, 91)(78, 83, 87, 92)(79, 84, 88, 93)(80, 85, 89, 94)(81, 86, 90, 95)(82, 87, 91, 96)(83, 88, 92, 97)(84, 89, 93, 98)(85, 90, 94, 99)(86, 91, 95, 100)(87, 92, 96, 101)(88, 93, 97, 102)(89, 94, 98, 103)(90, 95, 99, 104)(91, 96, 100, 105)(92, 97, 101, 106)(93, 98, 102, 107)(94, 99, 103, 108)(95, 10$$