

The group G is isomorphic to the group labelled by [48, 17] in the Small Groups library.
Ordinary character table of $G \cong (\text{C3} \times \text{Q8}) : \text{C2}$:

	1 <i>a</i>	2 <i>a</i>	4 <i>a</i>	4 <i>b</i>	2 <i>b</i>	3 <i>a</i>	8 <i>a</i>	12 <i>a</i>	12 <i>b</i>	6 <i>a</i>	8 <i>b</i>	12 <i>c</i>
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	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 $G \cong (\text{C3} \times \text{Q8}) : \text{C2}$ at $p = 2$:

Normalisers N_i	N_1		N_2		N_3		N_4		N_5			N_6	N_7			N_8	N_9	N_{10}
p -subgroups of G up to conjugacy in G	P_1		P_2		P_3		P_4		P_5			P_6	P_7			P_8	P_9	P_{10}
Representatives $n_{ij} \in N_i$	1 <i>a</i>	3 <i>a</i>	1 <i>a</i>	3 <i>a</i>	1 <i>a</i>	1 <i>a</i>	3 <i>a</i>	1 <i>a</i>	3 <i>a</i>	3 <i>b</i>		1 <i>a</i>	1 <i>a</i>	3 <i>a</i>	1 <i>a</i>	1 <i>a</i>	1 <i>a</i>	
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 2 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	16	16	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 2 \cdot \chi_{12}$	16	−8	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	8	8	0	0	0	0	0	0		0	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	−4	8	−4	0	0	0	0	0	0		0	0	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	0	0	2	0	0	0	0	0		0	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	0	4	4	0	0	0		0	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	−2	4	−2	0	4	−2	0	0	0		0	0	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	0	2	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	4	−2	0	0	0	2	2 \ast $E(3)^2$	2 \ast $E(3)$		0	0	0	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	−2	4	−2	0	0	0	2	2 \ast $E(3)$	2 \ast $E(3)^2$		0	0	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	2	0	0	0	0	0		2	0	0	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	0	2	2	2	2	2		0	2	2	0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	−1	2	−1	0	2	−1	2	−1	−1		0	2	−1	0	0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	2	0	0	0		2	0	0	2	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	0	2	2	0	0	0		0	0	0	0	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	1	1		1	1	1	1	1	1	

$P_1 = Group([\emptyset]) \cong 1$
 $P_2 = Group([(1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43)]) \cong \text{C2}$
 $P_3 = Group([(1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43)]) \cong \text{C2}$
 $P_4 = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48)]) \cong \text{C4}$
 $P_5 = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 48, 46, 44)]) \cong \text{C4}$
 $P_6 = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43)]) \cong \text{C2} \times \text{C2}$
 $P_7 = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 48, 46, 44)]) \cong \text{Q8}$
 $P_8 = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43)]) \cong \text{D8}$
 $P_9 = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 18, 14, 7, 5, 32, 4, 19)(2, 11, 21, 3, 9, 25, 8, 12)(6, 44, 29, 35, 16, 48, 15, 45)(10, 40, 36, 28, 23, 47, 22, 41)(13, 38, 39, 37, 27, 24, 26, 46)(17, 33, 42, 20, 31, 43, 30, 34)]) \cong \text{C8}$
 $P_{10} = Group([(1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 48, 46, 44), (1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43)]) \cong \text{QD16}$

$N_1 = Group([(1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43), (1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 48, 46, 44), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 6, 17)(2, 10, 24)(3, 13, 28)(4, 15, 30)(5, 16, 31)(7, 20, 35)(8, 22, 37)(9, 23, 38)(11, 26, 40)(12, 27, 41)(14, 29, 42)(18, 33, 44)(19, 34, 45)(21, 36, 46)(25, 39, 47)(32, 43, 48)]) \cong (\text{C3} \times \text{Q8}) : \text{C2}$
 $N_2 = Group([(1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43), (1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 48, 46, 44), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 6, 17)(2, 10, 24)(3, 13, 28)(4, 15, 30)(5, 16, 31)(7, 20, 35)(8, 22, 37)(9, 23, 38)(11, 26, 40)(12, 27, 41)(14, 29, 42)(18, 33, 44)(19, 34, 45)(21, 36, 46)(25, 39, 47)(32, 43, 48)]) \cong (\text{C3} \times \text{Q8}) : \text{C2}$
 $N_3 = Group([(1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48)]) \cong \text{C2} \times \text{C2}$
 $N_4 = Group([(1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43), (1, 3, 5, 12)(2, 7, 9, 19)(4, 25, 14, 11)(6, 13, 16, 27)(8, 32, 21, 18)(10, 20, 23, 34)(15, 39, 29, 26)(17, 28, 31, 41)(22, 43, 36, 33)(24, 35, 38, 45)(30, 47, 42, 40)(37, 4$