

The group G is isomorphic to the group labelled by [48, 7] in the Small Groups library.
 Ordinary character table of $G \cong \text{D48}$:

	1a	2a	8a	4a	2b	3a	2c	8b	24a	12a	6a	24b	24c	12b	24d
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	1	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	-1	1	-1
χ_5	2	0	-2	2	2	-1	0	-2	1	-1	-1	1	1	-1	1
χ_6	2	0	2	2	2	-1	0	2	-1	-1	-1	-1	-1	-1	-1
χ_7	2	0	0	-2	2	2	0	0	0	-2	2	0	0	-2	0
χ_8	2	0	$E(8) - E(8)^3$	0	-2	2	0	$-E(8) + E(8)^3$	$E(8) - E(8)^3$	0	-2	$E(8) - E(8)^3$	$-E(8) + E(8)^3$	0	$-E(8) + E(8)^3$
χ_9	2	0	$-E(8) + E(8)^3$	0	-2	2	0	$E(8) - E(8)^3$	$-E(8) + E(8)^3$	0	-2	$-E(8) + E(8)^3$	$E(8) - E(8)^3$	0	$E(8) - E(8)^3$
χ_{10}	2	0	0	-2	2	-1	0	0	$-E(12)^7 + E(12)^{11}$	1	-1	$E(12)^7 - E(12)^{11}$	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$
χ_{11}	2	0	0	-2	2	-1	0	0	$E(12)^7 - E(12)^{11}$	1	-1	$-E(12)^7 + E(12)^{11}$	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$
χ_{12}	2	0	$-E(8) + E(8)^3$	0	-2	-1	0	$E(8) - E(8)^3$	$E(24)^{17} - E(24)^{19}$	$E(12)^7 - E(12)^{11}$	1	$E(24) - E(24)^{11}$	$-E(24)^{17} + E(24)^{19}$	$-E(12)^7 + E(12)^{11}$	$-E(24) + E(24)^{11}$
χ_{13}	2	0	$-E(8) + E(8)^3$	0	-2	-1	0	$E(8) - E(8)^3$	$E(24) - E(24)^{11}$	$-E(12)^7 + E(12)^{11}$	1	$E(24)^{17} - E(24)^{19}$	$-E(24) + E(24)^{11}$	$E(12)^7 - E(12)^{11}$	$-E(24)^{17} + E(24)^{19}$
χ_{14}	2	0	$E(8) - E(8)^3$	0	-2	-1	0	$-E(8) + E(8)^3$	$-E(24) + E(24)^{11}$	$-E(12)^7 + E(12)^{11}$	1	$-E(24)^{17} + E(24)^{19}$	$E(24) - E(24)^{11}$	$E(12)^7 - E(12)^{11}$	$E(24)^{17} - E(24)^{19}$
χ_{15}	2	0	$E(8) - E(8)^3$	0	-2	-1	0	$-E(8) + E(8)^3$	$-E(24)^{17} + E(24)^{19}$	$E(12)^7 - E(12)^{11}$	1	$-E(24) + E(24)^{11}$	$E(24)^{17} - E(24)^{19}$	$-E(12)^7 + E(12)^{11}$	$E(24) - E(24)^{11}$

Trivial source character table of $G \cong \text{D48}$ at $p = 3$:

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	8a	4a	2b	2c	8b	1a	8a	2a	2b	2c	8b	4a
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	1	3	3	3	1	3	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	-1	3	3	3	-1	3	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	-1	-3	3	3	1	-3	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	3	1	-3	3	3	-1	-3	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	6	0	0	-6	6	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	6	0	$-3 * E(8) + 3 * E(8)^3$	0	-6	0	$3 * E(8) - 3 * E(8)^3$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15}$	6	0	$3 * E(8) - 3 * E(8)^3$	0	-6	0	$-3 * E(8) + 3 * E(8)^3$	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	-1	-1	1	1	1	-1	1	-1	-1	1	1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	1	-1	1	1	-1	-1	1	-1	1	1	-1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	1	-1	1	1	1	-1	1	1	1	-1	1	-1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	2	0	0	-2	2	0	0	2	0	0	2	0	0	-2
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	2	0	$-E(8) + E(8)^3$	0	-2	0	$E(8) - E(8)^3$	2	$-E(8) + E(8)^3$	0	-2	0	$E(8) - E(8)^3$	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}$	2	0	$E(8) - E(8)^3$	0	-2	0	$-E(8) + E(8)^3$	2	$E(8) - E(8)^3$	0	-2	0	$-E(8) + E(8)^3$	0

$P_1 = \text{Group}(\{()\}) \cong 1$
 $P_2 = \text{Group}(\{(1, 17, 6)(2, 24, 10)(3, 28, 13)(4, 30, 15)(5, 31, 16)(7, 35, 20)(8, 37, 22)(9, 38, 23)(11, 40, 26)(12, 41, 27)(14, 42, 29)(18, 44, 33)(19, 45, 34)(21, 46, 36)(25, 47, 39)(32, 48, 43)\}) \cong \text{C3}$

$N_1 = \text{Group}(\{(1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43), (1, 3, 14, 25, 5, 12, 4, 11)(2, 7, 21, 32, 9, 19, 8, 18)(6, 13, 29, 39, 16, 27, 15, 26)(10, 20, 36, 43, 23, 34, 22, 33)(17, 28, 42, 47, 31, 41, 30, 40)(24, 35, 46, 48, 38, 45, 37, 44), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 6, 17)(2, 10, 24)(3, 13, 28)(4, 15, 30)(5, 16, 31)(7, 20, 35)(8, 22, 37)(9, 23, 38)(11, 26, 40)(12, 27, 41)(14, 29, 42)(18, 33, 44)(19, 34, 45)(21, 36, 46)(25, 39, 47)(32, 43, 48)\}) \cong \text{D48}$
 $N_2 = \text{Group}(\{(1, 17, 6)(2, 24, 10)(3, 28, 13)(4, 30, 15)(5, 31, 16)(7, 35, 20)(8, 37, 22)(9, 38, 23)(11, 40, 26)(12, 41, 27)(14, 42, 29)(18, 44, 33)(19, 45, 34)(21, 46, 36)(25, 47, 39)(32, 48, 43), (1, 2)(3, 18)(4, 21)(5, 9)(6, 24)(7, 11)(8, 14)(10, 17)(12, 32)(13, 44)(15, 46)(16, 38)(19, 25)(20, 40)(22, 42)(23, 31)(26, 35)(27, 48)(28, 33)(29, 37)(30, 36)(34, 47)(39, 45)(41, 43), (1, 3, 14, 25, 5, 12, 4, 11)(2, 7, 21, 32, 9, 19, 8, 18)(6, 13, 29, 39, 16, 27, 15, 26)(10, 20, 36, 43, 23, 34, 22, 33)(17, 28, 42, 47, 31, 41, 30, 40)(24, 35, 46, 48, 38, 45, 37, 44)\}) \cong \text{D48}$