

The group G is isomorphic to the group labelled by [48, 5] in the Small Groups library.
 Ordinary character table of $G \cong C24 : C2$:

	1a	2a	8a	4a	2b	3a	8b	4b	8c	24a	4c	12a	6a	8d	24b	24c	12b	24d
χ_1	1	1	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	-1	1	-1
χ_3	1	-1	1	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	-1	1	-1
χ_5	1	-1	$-E(4)$	-1	1	1	$E(4)$	1	$E(4)$	$-E(4)$	-1	-1	1	$-E(4)$	$E(4)$	$-E(4)$	-1	$E(4)$
χ_6	1	-1	$E(4)$	-1	1	1	$-E(4)$	1	$-E(4)$	$E(4)$	-1	-1	1	$E(4)$	$-E(4)$	$E(4)$	-1	$-E(4)$
χ_7	1	1	$-E(4)$	-1	1	1	$-E(4)$	-1	$E(4)$	$-E(4)$	-1	-1	1	$E(4)$	$-E(4)$	$-E(4)$	-1	$E(4)$
χ_8	1	1	$E(4)$	-1	1	1	$E(4)$	-1	$-E(4)$	$E(4)$	-1	-1	1	$-E(4)$	$-E(4)$	$E(4)$	-1	$-E(4)$
χ_9	2	0	-2	2	2	-1	0	0	-2	1	2	-1	-1	0	1	1	-1	1
χ_{10}	2	0	2	2	2	-1	0	0	2	-1	2	-1	-1	0	-1	-1	-1	-1
χ_{11}	2	0	$-2 * E(4)$	-2	2	-1	0	0	$2 * E(4)$	$E(4)$	-2	1	-1	0	$-E(4)$	$E(4)$	1	$-E(4)$
χ_{12}	2	0	$2 * E(4)$	-2	2	-1	0	0	$-2 * E(4)$	$-E(4)$	-2	1	-1	0	$E(4)$	$-E(4)$	1	$E(4)$
χ_{13}	2	0	0	$-2 * E(4)$	-2	2	0	0	0	0	$2 * E(4)$	$-2 * E(4)$	-2	0	0	0	$2 * E(4)$	0
χ_{14}	2	0	0	$2 * E(4)$	-2	2	0	0	0	0	$-2 * E(4)$	$2 * E(4)$	-2	0	0	0	$-2 * E(4)$	0
χ_{15}	2	0	0	$-2 * E(4)$	-2	-1	0	0	0	$-E(24) + E(24)^{17}$	$2 * E(4)$	$E(4)$	1	0	$E(24)^{11} - E(24)^{19}$	$E(24) - E(24)^{17}$	$-E(4)$	$-E(24)^{11} + E(24)^{19}$
χ_{16}	2	0	0	$-2 * E(4)$	-2	-1	0	0	0	$E(24) - E(24)^{17}$	$2 * E(4)$	$E(4)$	1	0	$-E(24)^{11} + E(24)^{19}$	$-E(24) + E(24)^{17}$	$-E(4)$	$E(24)^{11} - E(24)^{19}$
χ_{17}	2	0	0	$2 * E(4)$	-2	-1	0	0	0	$-E(24)^{11} + E(24)^{19}$	$-2 * E(4)$	$-E(4)$	1	0	$E(24) - E(24)^{17}$	$E(24)^{11} - E(24)^{19}$	$E(4)$	$-E(24) + E(24)^{17}$
χ_{18}	2	0	0	$2 * E(4)$	-2	-1	0	0	0	$E(24)^{11} - E(24)^{19}$	$-2 * E(4)$	$-E(4)$	1	0	$-E(24) + E(24)^{17}$	$-E(24)^{11} + E(24)^{19}$	$E(4)$	$E(24) - E(24)^{17}$

Trivial source character table of $G \cong C24 : C2$ at $p = 3$:

Normalisers N_i	N_1									N_2										
	P_1									P_2										
	1a	2a	8a	4a	2b	8b	4b	8c	4c	8d	1a	8a	4a	2a	8c	8b	4b	2b	8d	4c
Representatives $n_j \in N_i$																				
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	1	3	3	3	1	1	3	3	1	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	-1	3	3	3	-1	-1	3	3	-1	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	-1	-3	3	3	1	-1	-3	3	1	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	1	-3	3	3	-1	1	-3	3	-1	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	1	$-3 * E(4)$	-3	3	$-E(4)$	-1	$3 * E(4)$	-3	$E(4)$	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	1	$3 * E(4)$	-3	3	$E(4)$	-1	$-3 * E(4)$	-3	$-E(4)$	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	-1	$3 * E(4)$	-3	3	$-E(4)$	1	$-3 * E(4)$	-3	$E(4)$	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	3	-1	$-3 * E(4)$	-3	3	$E(4)$	1	$3 * E(4)$	-3	$-E(4)$	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18}$	6	0	0	$6 * E(4)$	-6	0	0	0	$-6 * E(4)$	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	6	0	0	$-6 * E(4)$	-6	0	0	0	$6 * E(4)$	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	-1	-1	1	1	1	-1	-1	1	1	-1	1	-1	-1	1	-1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	1	-1	1	1	-1	1	-1	1	1	-1	1	1	-1	-1	1	1	-1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	-1	1	1	1	-1	-1	1	1	1	1	1	-1	1	-1	-1	1	-1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	-1	$E(4)$	-1	1	$-E(4)$	1	$-E(4)$	-1	$E(4)$	1	$E(4)$	-1	-1	$-E(4)$	$-E(4)$	1	1	$E(4)$	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	-1	$-E(4)$	-1	1	$E(4)$	1	$E(4)$	-1	$-E(4)$	1	$-E(4)$	-1	-1	$E(4)$	$E(4)$	1	1	$-E(4)$	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	1	$E(4)$	-1	1	$E(4)$	-1	$-E(4)$	-1	$-E(4)$	1	$E(4)$	-1	1	$-E(4)$	$E(4)$	-1	1	$-E(4)$	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1	1	$-E(4)$	-1	1	$-E(4)$	-1	$E(4)$	-1	$-E(4)$	1	$-E(4)$	-1	1	$E(4)$	$-E(4)$	-1	1	$E(4)$	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	2	0	0	$2 * E(4)$	-2	0	0	0	$-2 * E(4)$	0	2	0	$2 * E(4)$	0	0	0	0	-2	0	$-2 * E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	2	0	0	$-2 * E(4)$	-2	0	0	0	$2 * E(4)$	0	2	0	$-2 * E(4)$	0	0	0	0	-2	0	$2 * E(4)$

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

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

$N_1 = \text{Group}(\{(1, 2)(3, 19)(4, 8)(5, 9)(6, 24)(7, 12)(10, 17)(11, 32)(13, 45)(14, 21)(15, 37)(16, 38)(18, 25)(20, 41)(22, 30)(23, 31)(26, 48)(27, 35)(28, 34)(29, 46)(33, 47)(36, 42)(39, 44)(40, 43), (1, 3, 4, 11, 5, 12, 14, 25)(2, 7, 8, 18, 9, 19, 21, 32)(6, 13, 15, 26, 16, 27, 29, 39)(10, 20, 22, 33, 23, 34, 36, 43)(17, 28, 30, 40, 31, 41, 42, 47)(24, 35, 37, 44, 38, 45, 46, 48), (1, 4, 5, 14)(2, 8, 9, 21)(3, 11, 12, 25)(6, 15, 16, 29)(7, 18, 19, 32)(10, 22, 23, 36)(13, 26, 27, 39)(17, 30, 31, 42)(20, 33, 34, 43)(24, 37, 38, 46)(28, 40, 41, 47)(35, 44, 45, 48), (1, 5)(2, 9)(3, 12)(4, 14)(6, 16)(7, 19)(8, 21)(10, 23)(11, 25)(13, 27)(15, 29)(17, 31)(18, 32)(20, 34)(22, 36)(24, 38)(26, 39)(28, 41)(30, 42)(33, 43)(35, 45)(37, 46)(40, 47)(44, 48), (1, 6, 17)(2, 10, 24)(3, 13, 28)(4, 15, 30)(5, 16, 31)(7, 20, 35)(8, 22, 37)(9, 23, 38)(11, 26, 40)(12, 27, 41)(14, 29, 42)(18, 33, 44)(19, 34, 45)(21, 36, 46)(25, 39, 47)(32, 43, 48)\}) \cong C24 : C2$
 $N_2 = \text{Group}(\{(1, 17, 6)(2, 24, 10)(3, 28, 13)(4, 30, 15)(5, 31, 16)(7, 35, 20)(8, 37, 22)(9, 38, 23)(11, 40, 26)(12, 41, 27)(14, 42, 29)(18, 44, 33)(19, 45, 34)(21, 46, 36)(25, 47, 39)(32, 48, 43), (1, 2)(3, 19)(4, 8)(5, 9)(6, 24)(7, 12)(10, 17)(11, 32)(13, 45)(14, 21)(15, 37)(16, 38)(18, 25)(20, 41)(22, 30)(23, 31)(26, 48)(27, 35)(28, 34)(29, 46)(33, 47)(36, 42)(39, 44)(40, 43), (1, 3, 4, 11, 5, 12, 14, 25)(2, 7, 8, 18, 9, 19, 21, 32)(6, 13, 15, 26, 16, 27, 29, 39)(10, 20, 22, 33, 23, 34, 36, 43)(17, 28, 30, 40, 31, 41, 42, 47)(24, 35, 37, 44, 38, 45, 46, 48)\}) \cong C24 : C2$