

The group G is isomorphic to the group labelled by [44, 3] in the Small Groups library.

Ordinary character table of $G \cong \text{D44}$:

	1a	2a	2b	11a	2c	22a	11b	22b	11c	22c	11d	22d	11e	22e
χ_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
χ_3	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
χ_5	2	0	2	$E(11)^4 + E(11)^7$	0	$E(11)^4 + E(11)^7$	$E(11)^3 + E(11)^8$	$E(11)^3 + E(11)^8$	$E(11) + E(11)^{10}$	$E(11) + E(11)^{10}$	$E(11)^5 + E(11)^6$	$E(11)^5 + E(11)^6$	$E(11)^2 + E(11)^9$	$E(11)^2 + E(11)^9$
χ_6	2	0	2	$E(11)^5 + E(11)^6$	0	$E(11)^5 + E(11)^6$	$E(11) + E(11)^{10}$	$E(11) + E(11)^{10}$	$E(11)^4 + E(11)^7$	$E(11)^4 + E(11)^7$	$E(11)^2 + E(11)^9$	$E(11)^2 + E(11)^9$	$E(11)^3 + E(11)^8$	$E(11)^3 + E(11)^8$
χ_7	2	0	2	$E(11)^2 + E(11)^9$	0	$E(11)^2 + E(11)^9$	$E(11)^4 + E(11)^7$	$E(11)^4 + E(11)^7$	$E(11)^5 + E(11)^6$	$E(11)^5 + E(11)^6$	$E(11)^3 + E(11)^8$	$E(11)^3 + E(11)^8$	$E(11) + E(11)^{10}$	$E(11) + E(11)^{10}$
χ_8	2	0	2	$E(11)^3 + E(11)^8$	0	$E(11)^3 + E(11)^8$	$E(11)^5 + E(11)^6$	$E(11)^5 + E(11)^6$	$E(11)^2 + E(11)^9$	$E(11)^2 + E(11)^9$	$E(11) + E(11)^{10}$	$E(11) + E(11)^{10}$	$E(11)^4 + E(11)^7$	$E(11)^4 + E(11)^7$
χ_9	2	0	2	$E(11) + E(11)^{10}$	0	$E(11) + E(11)^{10}$	$E(11)^2 + E(11)^9$	$E(11)^2 + E(11)^9$	$E(11)^3 + E(11)^8$	$E(11)^3 + E(11)^8$	$E(11)^4 + E(11)^7$	$E(11)^4 + E(11)^7$	$E(11)^5 + E(11)^6$	$E(11)^5 + E(11)^6$
χ_{10}	2	0	-2	$E(11)^4 + E(11)^7$	0	$-E(11)^4 - E(11)^7$	$E(11)^3 + E(11)^8$	$-E(11)^3 - E(11)^8$	$E(11) + E(11)^{10}$	$-E(11) - E(11)^{10}$	$E(11)^5 + E(11)^6$	$-E(11)^5 - E(11)^6$	$E(11)^2 + E(11)^9$	$-E(11)^2 - E(11)^9$
χ_{11}	2	0	-2	$E(11)^5 + E(11)^6$	0	$-E(11)^5 - E(11)^6$	$E(11) + E(11)^{10}$	$-E(11) - E(11)^{10}$	$E(11)^4 + E(11)^7$	$-E(11)^4 - E(11)^7$	$E(11)^2 + E(11)^9$	$-E(11)^2 - E(11)^9$	$E(11)^3 + E(11)^8$	$-E(11)^3 - E(11)^8$
χ_{12}	2	0	-2	$E(11)^2 + E(11)^9$	0	$-E(11)^2 - E(11)^9$	$E(11)^4 + E(11)^7$	$-E(11)^4 - E(11)^7$	$E(11)^5 + E(11)^6$	$-E(11)^5 - E(11)^6$	$E(11)^3 + E(11)^8$	$-E(11)^3 - E(11)^8$	$E(11) + E(11)^{10}$	$-E(11) - E(11)^{10}$
χ_{13}	2	0	-2	$E(11)^3 + E(11)^8$	0	$-E(11)^3 - E(11)^8$	$E(11)^5 + E(11)^6$	$-E(11)^5 - E(11)^6$	$E(11)^2 + E(11)^9$	$-E(11)^2 - E(11)^9$	$E(11) + E(11)^{10}$	$-E(11) - E(11)^{10}$	$E(11)^4 + E(11)^7$	$-E(11)^4 - E(11)^7$
χ_{14}	2	0	-2	$E(11) + E(11)^{10}$	0	$-E(11) - E(11)^{10}$	$E(11)^2 + E(11)^9$	$-E(11)^2 - E(11)^9$	$E(11)^3 + E(11)^8$	$-E(11)^3 - E(11)^8$	$E(11)^4 + E(11)^7$	$-E(11)^4 - E(11)^7$	$E(11)^5 + E(11)^6$	$-E(11)^5 - E(11)^6$

Trivial source character table of $G \cong \text{D44}$ at $p = 11$:

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	2b	2c	1a	2b	2a	2c
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	11	-1	11	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	11	1	11	1	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	11	-1	-11	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	11	1	-11	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1	1	-1	-1	1	-1	1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1	-1	1	-1	1	1	-1	-1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1	-1	-1	1	1	-1	-1	1

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

$$P_2 = \text{Group}([(1, 28, 12, 40, 24, 8, 36, 20, 4, 32, 16)(2, 30, 14, 42, 26, 10, 38, 22, 6, 34, 18)(3, 31, 15, 43, 27, 11, 39, 23, 7, 35, 19)(5, 33, 17, 44, 29, 13, 41, 25, 9, 37, 21)]) \cong \text{C11}$$

$$N_1 = \text{Group}([(1, 2)(3, 5)(4, 42)(6, 40)(7, 44)(8, 38)(9, 43)(10, 36)(11, 41)(12, 34)(13, 39)(14, 32)(15, 37)(16, 30)(17, 35)(18, 28)(19, 33)(20, 26)(21, 31)(22, 24)(23, 29)(25, 27), (1, 3)(2, 5)(4, 7)(6, 9)(8, 11)(10, 13)(12, 15)(14, 17)(16, 19)(18, 21)(20, 23)(22, 25)(24, 27)(26, 29)(28, 31)(30, 33)(32, 35)(34, 37)(36, 39)(38, 41)(40, 43)(42, 44), (1, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40)(2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42)(3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43)(5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 44)]) \cong \text{D44}$$

$$N_2 = \text{Group}([(1, 28, 12, 40, 24, 8, 36, 20, 4, 32, 16)(2, 30, 14, 42, 26, 10, 38, 22, 6, 34, 18)(3, 31, 15, 43, 27, 11, 39, 23, 7, 35, 19)(5, 33, 17, 44, 29, 13, 41, 25, 9, 37, 21), (1, 2)(3, 5)(4, 42)(6, 40)(7, 44)(8, 38)(9, 43)(10, 36)(11, 41)(12, 34)(13, 39)(14, 32)(15, 37)(16, 30)(17, 35)(18, 28)(19, 33)(20, 26)(21, 31)(22, 24)(23, 29)(25, 27), (1, 3)(2, 5)(4, 7)(6, 9)(8, 11)(10, 13)(12, 15)(14, 17)(16, 19)(18, 21)(20, 23)(22, 25)(24, 27)(26, 29)(28, 31)(30, 33)(32, 35)(34, 37)(36, 39)(38, 41)(40, 43)(42, 44)]) \cong \text{D44}$$