

The group G is isomorphic to the group labelled by [30, 3] in the Small Groups library.

Ordinary character table of $G \cong \text{D30}$:

	$1a$	$2a$	$3a$	$15a$	$5a$	$15b$	$15c$	$15d$	$5b$
χ_1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	1	1	1	1	1	1	1
χ_3	2	0	-1	-1	2	-1	-1	-1	2
χ_4	2	0	2	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$
χ_5	2	0	2	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$
χ_6	2	0	-1	$E(15)^7 + E(15)^8$	$E(5) + E(5)^4$	$E(15) + E(15)^{14}$	$E(15)^4 + E(15)^{11}$	$E(15)^2 + E(15)^{13}$	$E(5)^2 + E(5)^3$
χ_7	2	0	-1	$E(15)^4 + E(15)^{11}$	$E(5)^2 + E(5)^3$	$E(15)^7 + E(15)^8$	$E(15)^2 + E(15)^{13}$	$E(15) + E(15)^{14}$	$E(5) + E(5)^4$
χ_8	2	0	-1	$E(15)^2 + E(15)^{13}$	$E(5) + E(5)^4$	$E(15)^4 + E(15)^{11}$	$E(15) + E(15)^{14}$	$E(15)^7 + E(15)^8$	$E(5)^2 + E(5)^3$
χ_9	2	0	-1	$E(15) + E(15)^{14}$	$E(5)^2 + E(5)^3$	$E(15)^2 + E(15)^{13}$	$E(15)^7 + E(15)^8$	$E(15)^4 + E(15)^{11}$	$E(5) + E(5)^4$

Trivial source character table of $G \cong \text{D30}$ at $p = 5$:

Normalisers N_i	N_1			N_2		
p -subgroups of G up to conjugacy in G	P_1			P_2		
Representatives $n_j \in N_i$	$1a$	$2a$	$3a$	$1a$	$2a$	$3a$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	5	1	5	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	5	-1	5	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9$	10	0	-5	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	-1	1	1	-1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	0	-1	2	0	-1

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

$$P_2 = \text{Group}([(1, 15, 4, 21, 9)(2, 18, 6, 24, 12)(3, 20, 8, 26, 14)(5, 23, 11, 28, 17)(7, 25, 13, 29, 19)(10, 27, 16, 30, 22)]) \cong \text{C5}$$

$$N_1 = \text{Group}([(1, 2)(3, 10)(4, 24)(5, 7)(6, 21)(8, 30)(9, 18)(11, 29)(12, 15)(13, 28)(14, 27)(16, 26)(17, 25)(19, 23)(20, 22), (1, 3, 7)(2, 5, 10)(4, 8, 13)(6, 11, 16)(9, 14, 19)(12, 17, 22)(15, 20, 25)(18, 23, 27)(21, 26, 29)(24, 28, 30), (1, 4, 9, 15, 21)(2, 6, 12, 18, 24)(3, 8, 14, 20, 26)(5, 11, 17, 23, 28)(7, 13, 19, 25, 29)(10, 16, 22, 27, 30)]) \cong \text{D30}$$

$$N_2 = \text{Group}([(1, 15, 4, 21, 9)(2, 18, 6, 24, 12)(3, 20, 8, 26, 14)(5, 23, 11, 28, 17)(7, 25, 13, 29, 19)(10, 27, 16, 30, 22), (1, 2)(3, 10)(4, 24)(5, 7)(6, 21)(8, 30)(9, 18)(11, 29)(12, 15)(13, 28)(14, 27)(16, 26)(17, 25)(19, 23)(20, 22), (1, 3, 7)(2, 5, 10)(4, 8, 13)(6, 11, 16)(9, 14, 19)(12, 17, 22)(15, 20, 25)(18, 23, 27)(21, 26, 29)(24, 28, 30)]) \cong \text{D30}$$