

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
$\chi_1$	1	1	1	1	1	1	1	1	1
$\chi_2$	1	-1	1	1	1	1	1	1	1
$\chi_3$	2	0	-1	-1	2	-1	-1	-1	2
$\chi_4$	2	0	2	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$
$\chi_5$	2	0	2	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$
$\chi_6$	2	0	-1	$E(15)^7 + E(15)^8$	$E(5) + E(5)^4$	$E(15) + E(15)^{14}$	$E(15)^4 + E(15)^{11}$	$E(15)^2 + E(15)^{13}$	$E(5)^2 + E(5)^3$
$\chi_7$	2	0	-1	$E(15)^4 + E(15)^{11}$	$E(5)^2 + E(5)^3$	$E(15)^7 + E(15)^8$	$E(15)^2 + E(15)^{13}$	$E(15) + E(15)^{14}$	$E(5) + E(5)^4$
$\chi_8$	2	0	-1	$E(15)^2 + E(15)^{13}$	$E(5) + E(5)^4$	$E(15)^4 + E(15)^{11}$	$E(15) + E(15)^{14}$	$E(15)^7 + E(15)^8$	$E(5)^2 + E(5)^3$
$\chi_9$	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  $p = 3$ :

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	5a	5b	1a	2a	5a	5b
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	3	1	3	3	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	3	-1	3	3	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9$	6	0	$3 * E(5)^2 + 3 * E(5)^3$	$3 * E(5) + 3 * E(5)^4$	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9$	6	0	$3 * E(5) + 3 * E(5)^4$	$3 * E(5)^2 + 3 * E(5)^3$	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	1	-1	1	1	1	-1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	0	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	2	0	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	2	0	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	2	0	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$

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

$$P_2 = \text{Group}([(1, 7, 3)(2, 10, 5)(4, 13, 8)(6, 16, 11)(9, 19, 14)(12, 22, 17)(15, 25, 20)(18, 27, 23)(21, 29, 26)(24, 30, 28)]) \cong \text{C3}$$

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

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