

The group  $G$  is isomorphic to the group labelled by [ 30, 2 ] in the Small Groups library.

Ordinary character table of  $G \cong C3 \times D10$ :

	1a	3a	3b	5a	15a	15b	5b	15c	15d	2a	6a	6b
$\chi_1$	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$
$\chi_3$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$
$\chi_4$	1	1	1	1	1	1	1	1	1	-1	-1	-1
$\chi_5$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	-1	$-E(3)$	$-E(3)^2$
$\chi_6$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	-1	$-E(3)^2$	$-E(3)$
$\chi_7$	2	2	2	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	0	0	0
$\chi_8$	2	$2 * E(3)$	$2 * E(3)^2$	$E(5) + E(5)^4$	$E(15)^2 + E(15)^8$	$E(15)^7 + E(15)^{13}$	$E(5)^2 + E(5)^3$	$E(15)^{11} + E(15)^{14}$	$E(15) + E(15)^4$	0	0	0
$\chi_9$	2	$2 * E(3)^2$	$2 * E(3)$	$E(5) + E(5)^4$	$E(15)^7 + E(15)^{13}$	$E(15)^2 + E(15)^8$	$E(5)^2 + E(5)^3$	$E(15) + E(15)^4$	$E(15)^{11} + E(15)^{14}$	0	0	0
$\chi_{10}$	2	2	2	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	0	0	0
$\chi_{11}$	2	$2 * E(3)$	$2 * E(3)^2$	$E(5)^2 + E(5)^3$	$E(15)^{11} + E(15)^{14}$	$E(15) + E(15)^4$	$E(5) + E(5)^4$	$E(15)^2 + E(15)^8$	$E(15)^7 + E(15)^{13}$	0	0	0
$\chi_{12}$	2	$2 * E(3)^2$	$2 * E(3)$	$E(5)^2 + E(5)^3$	$E(15) + E(15)^4$	$E(15)^{11} + E(15)^{14}$	$E(5) + E(5)^4$	$E(15)^7 + E(15)^{13}$	$E(15)^2 + E(15)^8$	0	0	0

Trivial source character table of  $G \cong C3 \times D10$  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	6a	3b	6b	1a	3a	2a	3b	6a	6b
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	5	1	5	1	5	1	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	5	1	$5 * E(3)$	$E(3)$	$5 * E(3)^2$	$E(3)^2$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	5	1	$5 * E(3)^2$	$E(3)^2$	$5 * E(3)$	$E(3)$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	5	-1	5	-1	5	-1	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	5	-1	$5 * E(3)$	$-E(3)$	$5 * E(3)^2$	$-E(3)^2$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	5	-1	$5 * E(3)^2$	$-E(3)^2$	$5 * E(3)$	$-E(3)$	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	$E(3)$	$E(3)$	$E(3)^2$	$E(3)^2$	1	$E(3)$	1	$E(3)^2$	$E(3)$	$E(3)^2$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	$E(3)^2$	$E(3)^2$	$E(3)$	$E(3)$	1	$E(3)^2$	1	$E(3)$	$E(3)^2$	$E(3)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	1	-1	1	-1	1	1	-1	1	-1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	$E(3)$	$-E(3)$	$E(3)^2$	$-E(3)^2$	1	$E(3)$	-1	$E(3)^2$	$-E(3)$	$-E(3)^2$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	-1	$E(3)^2$	$-E(3)^2$	$E(3)$	$-E(3)$	1	$E(3)^2$	-1	$E(3)$	$-E(3)^2$	$-E(3)$

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

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

$$N_1 = \text{Group}([(1, 2)(3, 5)(4, 24)(6, 21)(7, 10)(8, 28)(9, 18)(11, 26)(12, 15)(13, 30)(14, 23)(16, 29)(17, 20)(19, 27)(22, 25), (1, 3, 7)(2, 5, 10)(4, 8, 13)(6, 11, 16)(9, 14, 19)(12, 17, 22)(15, 20, 25)(18, 23, 27)(21, 26, 29)(24, 28, 30), (1, 4, 9, 15, 21)(2, 6, 12, 18, 24)(3, 8, 14, 20, 26)(5, 11, 17, 23, 28)(7, 13, 19, 25, 29)(10, 16, 22, 27, 30)]) \cong C3 \times D10$$

$$N_2 = \text{Group}([(1, 15, 4, 21, 9)(2, 18, 6, 24, 12)(3, 20, 8, 26, 14)(5, 23, 11, 28, 17)(7, 25, 13, 29, 19)(10, 27, 16, 30, 22), (1, 2)(3, 5)(4, 24)(6, 21)(7, 10)(8, 28)(9, 18)(11, 26)(12, 15)(13, 30)(14, 23)(16, 29)(17, 20)(19, 27)(22, 25), (1, 3, 7)(2, 5, 10)(4, 8, 13)(6, 11, 16)(9, 14, 19)(12, 17, 22)(15, 20, 25)(18, 23, 27)(21, 26, 29)(24, 28, 30)]) \cong C3 \times D10$$