

The group  $G$  is isomorphic to the group labelled by [ 39, 1 ] in the Small Groups library.

Ordinary character table of  $G \cong \text{C13} : \text{C3}$ :

	1a	13a	13b	13c	13d	3a	3b
$\chi_1$	1	1	1	1	1	1	1
$\chi_2$	1	1	1	1	1	$E(3)$	$E(3)^2$
$\chi_3$	1	1	1	1	1	$E(3)^2$	$E(3)$
$\chi_4$	3	$E(13) + E(13)^3 + E(13)^9$	$E(13)^2 + E(13)^5 + E(13)^6$	$E(13)^4 + E(13)^{10} + E(13)^{12}$	$E(13)^7 + E(13)^8 + E(13)^{11}$	0	0
$\chi_5$	3	$E(13)^2 + E(13)^5 + E(13)^6$	$E(13)^4 + E(13)^{10} + E(13)^{12}$	$E(13)^7 + E(13)^8 + E(13)^{11}$	$E(13) + E(13)^3 + E(13)^9$	0	0
$\chi_6$	3	$E(13)^4 + E(13)^{10} + E(13)^{12}$	$E(13)^7 + E(13)^8 + E(13)^{11}$	$E(13) + E(13)^3 + E(13)^9$	$E(13)^2 + E(13)^5 + E(13)^6$	0	0
$\chi_7$	3	$E(13)^7 + E(13)^8 + E(13)^{11}$	$E(13) + E(13)^3 + E(13)^9$	$E(13)^2 + E(13)^5 + E(13)^6$	$E(13)^4 + E(13)^{10} + E(13)^{12}$	0	0

Trivial source character table of  $G \cong \text{C13} : \text{C3}$  at  $p = 13$ :

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	3a	3b	1a	3a	3b
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	13	1	1	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	13	$E(3)$	$E(3)^2$	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	13	$E(3)^2$	$E(3)$	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$

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

$$P_2 = \text{Group}([(1, 27, 15, 3, 30, 18, 6, 33, 21, 9, 36, 24, 12)(2, 29, 17, 5, 32, 20, 8, 35, 23, 11, 38, 26, 14)(4, 31, 19, 7, 34, 22, 10, 37, 25, 13, 39, 28, 16)]) \cong \text{C13}$$

$$N_1 = \text{Group}([(1, 2, 4)(3, 11, 31)(5, 13, 27)(6, 20, 19)(7, 9, 29)(8, 22, 15)(10, 18, 17)(12, 38, 34)(14, 39, 30)(16, 36, 32)(21, 26, 37)(23, 28, 33)(24, 35, 25), (1, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36)(2, 5, 8, 11, 14, 17, 20, 23, 26, 29, 32, 35, 38)(4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 39)]) \cong \text{C13} : \text{C3}$$

$$N_2 = \text{Group}([(1, 27, 15, 3, 30, 18, 6, 33, 21, 9, 36, 24, 12)(2, 29, 17, 5, 32, 20, 8, 35, 23, 11, 38, 26, 14)(4, 31, 19, 7, 34, 22, 10, 37, 25, 13, 39, 28, 16), (1, 2, 4)(3, 11, 31)(5, 13, 27)(6, 20, 19)(7, 9, 29)(8, 22, 15)(10, 18, 17)(12, 38, 34)(14, 39, 30)(16, 36, 32)(21, 26, 37)(23, 28, 33)(24, 35, 25)]) \cong \text{C13} : \text{C3}$$