

The group  $G$  is isomorphic to the group labelled by [ 42, 1 ] in the Small Groups library.

Ordinary character table of  $G \cong C7 : C6$ :

	$1a$	$7a$	$6a$	$3a$	$2a$	$3b$	$6b$
$\chi_1$	1	1	1	1	1	1	1
$\chi_2$	1	1	$-E(3)^2$	$E(3)$	-1	$E(3)^2$	$-E(3)$
$\chi_3$	1	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$
$\chi_4$	1	1	-1	1	-1	1	-1
$\chi_5$	1	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$
$\chi_6$	1	1	$-E(3)$	$E(3)^2$	-1	$E(3)$	$-E(3)^2$
$\chi_7$	6	-1	0	0	0	0	0

Trivial source character table of  $G \cong C7 : C6$  at  $p = 2$ :

Normalisers $N_i$	$N_1$				$N_2$		
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$				$P_2$		
Representatives $n_j \in N_i$	$1a$	$3a$	$7a$	$3b$	$1a$	$3a$	$3b$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	2	2	2	2	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	2	$2 * E(3)$	2	$2 * E(3)^2$	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7$	2	$2 * E(3)^2$	2	$2 * E(3)$	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7$	6	0	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	$E(3)$	1	$E(3)^2$	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	$E(3)^2$	1	$E(3)$	1	$E(3)^2$	$E(3)$

$P_1 = Group([()]) \cong 1$

$P_2 = Group([(1, 2)(3, 5)(4, 36)(6, 33)(7, 10)(8, 40)(9, 30)(11, 38)(12, 27)(13, 42)(14, 35)(15, 24)(16, 41)(17, 32)(18, 21)(19, 39)(20, 29)(22, 37)(23, 26)(25, 34)(28, 31)]) \cong C2$

$N_1 = Group([(1, 2)(3, 5)(4, 36)(6, 33)(7, 10)(8, 40)(9, 30)(11, 38)(12, 27)(13, 42)(14, 35)(15, 24)(16, 41)(17, 32)(18, 21)(19, 39)(20, 29)(22, 37)(23, 26)(25, 34)(28, 31), (1, 3, 7)(2, 5, 10)(4, 14, 31)(6, 17, 34)(8, 19, 21)(9, 26, 13)(11, 22, 24)(12, 29, 16)(15, 38, 37)(18, 40, 39)(20, 41, 27)(23, 42, 30)(25, 33, 32)(28, 36, 35), (1, 4, 9, 15, 21, 27, 33)(2, 6, 12, 18, 24, 30, 36)(3, 8, 14, 20, 26, 32, 38)(5, 11, 17, 23, 29, 35, 40)(7, 13, 19, 25, 31, 37, 41)(10, 16, 22, 28, 34, 39, 42)]) \cong C7 : C6$

$N_2 = Group([(1, 2)(3, 5)(4, 36)(6, 33)(7, 10)(8, 40)(9, 30)(11, 38)(12, 27)(13, 42)(14, 35)(15, 24)(16, 41)(17, 32)(18, 21)(19, 39)(20, 29)(22, 37)(23, 26)(25, 34)(28, 31), (1, 3, 7)(2, 5, 10)(4, 14, 31)(6, 17, 34)(8, 19, 21)(9, 26, 13)(11, 22, 24)(12, 29, 16)(15, 38, 37)(18, 40, 39)(20, 41, 27)(23, 42, 30)(25, 33, 32)(28, 36, 35)]) \cong C6$