

The group  $G$  is isomorphic to the group labelled by [ 9, 1 ] in the Small Groups library.

Ordinary character table of  $G \cong \text{C9}$ :

	1a	9a	9b	3a	9c	9d	3b	9e	9f
$\chi_1$	1	1	1	1	1	1	1	1	1
$\chi_2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$	1	$E(3)$	$E(3)^2$
$\chi_3$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$	1	$E(3)^2$	$E(3)$
$\chi_4$	1	$-E(9)^4 - E(9)^7$	$E(9)^2$	$E(3)$	$E(9)^4$	$E(9)^5$	$E(3)^2$	$E(9)^7$	$-E(9)^2 - E(9)^5$
$\chi_5$	1	$E(9)^4$	$-E(9)^2 - E(9)^5$	$E(3)$	$E(9)^7$	$E(9)^2$	$E(3)^2$	$-E(9)^4 - E(9)^7$	$E(9)^5$
$\chi_6$	1	$E(9)^7$	$E(9)^5$	$E(3)$	$-E(9)^4 - E(9)^7$	$-E(9)^2 - E(9)^5$	$E(3)^2$	$E(9)^4$	$E(9)^2$
$\chi_7$	1	$E(9)^2$	$E(9)^4$	$E(3)^2$	$-E(9)^2 - E(9)^5$	$-E(9)^4 - E(9)^7$	$E(3)$	$E(9)^5$	$E(9)^7$
$\chi_8$	1	$E(9)^5$	$-E(9)^4 - E(9)^7$	$E(3)^2$	$E(9)^2$	$E(9)^7$	$E(3)$	$-E(9)^2 - E(9)^5$	$E(9)^4$
$\chi_9$	1	$-E(9)^2 - E(9)^5$	$E(9)^7$	$E(3)^2$	$E(9)^5$	$E(9)^4$	$E(3)$	$E(9)^2$	$-E(9)^4 - E(9)^7$

Trivial source character table of  $G \cong \text{C9}$  at  $p = 3$ :

Normalisers $N_i$	$N_1$	$N_2$	$N_3$
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$	$P_2$	$P_3$
Representatives $n_j \in N_i$	1a	1a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9$	9	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9$	3	3	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

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

$$P_2 = \text{Group}([(1, 4, 7)(2, 5, 8)(3, 6, 9)]) \cong \text{C3}$$

$$P_3 = \text{Group}([(1, 2, 3, 4, 5, 6, 7, 8, 9), (1, 4, 7)(2, 5, 8)(3, 6, 9)]) \cong \text{C9}$$

$$N_1 = \text{Group}([(1, 2, 3, 4, 5, 6, 7, 8, 9)]) \cong \text{C9}$$

$$N_2 = \text{Group}([(1, 4, 7)(2, 5, 8)(3, 6, 9), (1, 2, 3, 4, 5, 6, 7, 8, 9)]) \cong \text{C9}$$

$$N_3 = \text{Group}([(1, 2, 3, 4, 5, 6, 7, 8, 9), (1, 4, 7)(2, 5, 8)(3, 6, 9)]) \cong \text{C9}$$