

The group  $G$  is isomorphic to the group  $2.\text{PSL}(2,3)$ .  
Ordinary character table of  $G \cong 2.\text{PSL}(2,3) \cong \text{SL}(2,7)$  :

	1 <i>a</i>	2 <i>a</i>	4 <i>a</i>	3 <i>a</i>	6 <i>a</i>	8 <i>a</i>	8 <i>b</i>	7 <i>a</i>	14 <i>a</i>	7 <i>b</i>	14 <i>b</i>
$\chi_1$	1	1	1	1	1	1	1	1	1	1	1
$\chi_2$	3	3	−1	0	0	1	1	$E(7) + E(7)^2 + E(7)^4$	$E(7) + E(7)^2 + E(7)^4$	$E(7)^3 + E(7)^5 + E(7)^6$	$E(7)^3 + E(7)^5 + E(7)^6$
$\chi_3$	3	3	−1	0	0	1	1	$E(7)^3 + E(7)^5 + E(7)^6$	$E(7)^3 + E(7)^5 + E(7)^6$	$E(7) + E(7)^2 + E(7)^4$	$E(7) + E(7)^2 + E(7)^4$
$\chi_4$	6	6	2	0	0	0	0	−1	−1	−1	−1
$\chi_5$	7	7	−1	1	1	−1	−1	0	0	0	0
$\chi_6$	8	8	0	−1	−1	0	0	1	1	1	1
$\chi_7$	4	−4	0	1	−1	0	0	$−E(7) − E(7)^2 − E(7)^4$	$E(7) + E(7)^2 + E(7)^4$	$−E(7)^3 − E(7)^5 − E(7)^6$	$E(7)^3 + E(7)^5 + E(7)^6$
$\chi_8$	4	−4	0	1	−1	0	0	$−E(7)^3 − E(7)^5 − E(7)^6$	$E(7)^3 + E(7)^5 + E(7)^6$	$−E(7) − E(7)^2 − E(7)^4$	$E(7) + E(7)^2 + E(7)^4$
$\chi_9$	6	−6	0	0	0	$E(8) − E(8)^3$	$−E(8) + E(8)^3$	−1	1	−1	1
$\chi_{10}$	6	−6	0	0	0	$−E(8) + E(8)^3$	$E(8) − E(8)^3$	−1	1	−1	1
$\chi_{11}$	8	−8	0	−1	1	0	0	1	−1	1	−1

Trivial source character table of  $G \cong 2.\text{PSL}(2,3) \cong \text{SL}(2,7)$  at  $p = 3$ :

Normalisers $N_i$	$N_1$										$N_2$			
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$										$P_2$			
Representatives $n_j \in N_i$	1 <i>a</i>	7 <i>a</i>	7 <i>b</i>	4 <i>a</i>	8 <i>a</i>	8 <i>b</i>	14 <i>a</i>	14 <i>b</i>	2 <i>a</i>		1 <i>a</i>	4 <i>a</i>	2 <i>a</i>	4 <i>b</i>
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	9	2	2	1	1	1	2	2	9	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	3	$E(7) + E(7)^2 + E(7)^4$	$E(7)^3 + E(7)^5 + E(7)^6$	−1	1	1	$E(7) + E(7)^2 + E(7)^4$	$E(7)^3 + E(7)^5 + E(7)^6$	3	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	3	$E(7)^3 + E(7)^5 + E(7)^6$	$E(7) + E(7)^2 + E(7)^4$	−1	1	1	$E(7)^3 + E(7)^5 + E(7)^6$	$E(7) + E(7)^2 + E(7)^4$	3	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	6	−1	−1	2	0	0	−1	−1	6	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	15	1	1	−1	−1	−1	1	1	15	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11}$	12	$−2 * E(7) − 2 * E(7)^2 − E(7)^3 − 2 * E(7)^4 − E(7)^5 − E(7)^6$	$−E(7) − E(7)^2 − 2 * E(7)^3 − E(7)^4 − 2 * E(7)^5 − 2 * E(7)^6$	0	0	0	$2 * E(7) + 2 * E(7)^2 + E(7)^3 + 2 * E(7)^4 + E(7)^5 + E(7)^6$	$E(7) + E(7)^2 + 2 * E(7)^3 + E(7)^4 + 2 * E(7)^5 + 2 * E(7)^6$	−12	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11}$	12	$−E(7) − E(7)^2 − 2 * E(7)^3 − E(7)^4 − 2 * E(7)^5 − 2 * E(7)^6$	$−2 * E(7) − 2 * E(7)^2 − E(7)^3 − 2 * E(7)^4 − E(7)^5 − E(7)^6$	0	0	0	$E(7) + E(7)^2 + 2 * E(7)^3 + E(7)^4 + 2 * E(7)^5 + 2 * E(7)^6$	$2 * E(7) + 2 * E(7)^2 + E(7)^3 + 2 * E(7)^4 + E(7)^5 + E(7)^6$	−12	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	6	−1	−1	0	$E(8) − E(8)^3$	$−E(8) + E(8)^3$	1	1	−6	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$	6	−1	−1	0	$−E(8) + E(8)^3$	$E(8) − E(8)^3$	1	1	−6	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	7	0	0	−1	−1	−1	0	0	7	1	−1	1	−1	−1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	4	$−E(7) − E(7)^2 − E(7)^4$	$−E(7)^3 − E(7)^5 − E(7)^6$	0	0	0	$E(7) + E(7)^2 + E(7)^4$	$E(7)^3 + E(7)^5 + E(7)^6$	−4	1	$E(4)$	−1	$−E(4)$	$−E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	4	$−E(7)^3 − E(7)^5 − E(7)^6$	$−E(7) − E(7)^2 − E(7)^4$	0	0	0	$E(7)^3 + E(7)^5 + E(7)^6$	$E(7) + E(7)^2 + E(7)^4$	−4	1	$−E(4)$	−1	$E(4)$	$E(4)$

$P_1 = Group([(())]) \cong 1$   
 $P_2 = Group([(5, 14, 12)(6, 13, 9)(7, 16, 11)(8, 15, 10)]) \cong \text{C3}$

$N_1 = Group([(1, 2, 4, 3)(5, 9, 7, 10)(6, 11, 8, 12)(13, 16, 15, 14), (2, 5, 6)(3, 7, 8)(9, 13, 14)(10, 15, 16)]) \cong \text{SL}(2,7)$   
 $N_2 = Group([(5, 14, 12)(6, 13, 9)(7, 16, 11)(8, 15, 10), (1, 2, 4, 3)(5, 6, 7, 8)(9, 16, 10, 14)(11, 15, 12, 13)]) \cong \text{C3} : \text{C4}$