

The group G is isomorphic to the projective special linear group $\text{PSL}(2,17)$.
Ordinary character table of $G \cong \text{PSL}(2,17)$:

	1 <i>a</i>	2 <i>a</i>	3 <i>a</i>	4 <i>a</i>	8 <i>a</i>		8 <i>b</i>	9 <i>a</i>		9 <i>b</i>	9 <i>c</i>	17 <i>a</i>	17 <i>b</i>
χ_1	1	1	1	1	1		1	1		1		1	1
χ_2	9	1	0	1	−1		−1	0		0		$-E(17) - E(17)^2 - E(17)^4 - E(17)^8 - E(17)^9 - E(17)^{13} - E(17)^{15} - E(17)^{16}$	$-E(17)^3 - E(17)^5 - E(17)^6 - E(17)^7 - E(17)^{10} - E(17)^{11} - E(17)^{12} - E(17)^{14}$
χ_3	9	1	0	1	−1		−1	0		0		$-E(17)^3 - E(17)^5 - E(17)^6 - E(17)^7 - E(17)^{10} - E(17)^{11} - E(17)^{12} - E(17)^{14}$	$-E(17) - E(17)^2 - E(17)^4 - E(17)^8 - E(17)^9 - E(17)^{13} - E(17)^{15} - E(17)^{16}$
χ_4	16	0	−2	0	0		0	1		1		−1	−1
χ_5	16	0	1	0	0		0	$E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$		$-E(9)^2 - E(9)^7$		$-E(9)^4 - E(9)^5$	−1
χ_6	16	0	1	0	0		0	$-E(9)^4 - E(9)^5$		$E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$		$-E(9)^2 - E(9)^7$	−1
χ_7	16	0	1	0	0		0	$-E(9)^2 - E(9)^7$		$-E(9)^4 - E(9)^5$		$E(9)^2 + E(9)^4 + E(9)^5 + E(9)^7$	−1
χ_8	17	1	−1	1	1		1	−1		−1		0	0
χ_9	18	2	0	−2	0		0	0		0		1	1
χ_{10}	18	−2	0	0	$E(8) - E(8)^3$		$-E(8) + E(8)^3$	0		0		1	1
χ_{11}	18	−2	0	0	$-E(8) + E(8)^3$		$E(8) - E(8)^3$	0		0		1	1

Trivial source character table of $G \cong \text{PSL}(2,17)$ 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	2a	4a	8a	8b	17a	17b	1a	2a	1a	2a			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	9	1	1	−1	−1	$-E(17)^3 - E(17)^5 - E(17)^6 - E(17)^7 - E(17)^{10} - E(17)^{11} - E(17)^{12} - E(17)^{14}$	$-E(17) - E(17)^2 - E(17)^4 - E(17)^8 - E(17)^9 - E(17)^{13} - E(17)^{15} - E(17)^{16}$	0	0	0	0			
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	9	1	1	−1	−1	$-E(17) - E(17)^2 - E(17)^4 - E(17)^8 - E(17)^9 - E(17)^{13} - E(17)^{15} - E(17)^{16}$	$-E(17)^3 - E(17)^5 - E(17)^6 - E(17)^7 - E(17)^{10} - E(17)^{11} - E(17)^{12} - E(17)^{14}$	0	0	0	0			
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	18	2	2	2	2	1	1	0	0	0	0			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	18	2	−2	0	0	1	1	0	0	0	0			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11}$	18	−2	0	$-E(8) + E(8)^3$	$E(8) - E(8)^3$	1	1	0	0	0	0			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$	18	−2	0	$E(8) - E(8)^3$	$-E(8) + E(8)^3$	1	1	0	0	0	0			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	81	1	1	1	1	−4	−4	0	0	0	0			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	48	0	0	0	0	−3	−3	3	−1	0	0			
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	66	2	2	2	2	−2	−2	3	1	0	0			
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	64	0	0	0	0	−4	−4	1	−1	1	−1			
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	1	1	1	1	1	1	1	1	1	1	1			

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

$$P_2 = Group([(1, 3, 12)(2, 6, 9)(4, 13, 15)(5, 18, 11)(7, 10, 14)(8, 16, 17)]) \cong \text{C3}$$

$$P_3 = Group([(1, 3, 12)(2, 6, 9)(4, 13, 15)(5, 18, 11)(7, 10, 14)(8, 16, 17), (1, 18, 15, 12, 5, 13, 3, 11, 4)(2, 7, 8, 9, 14, 17, 6, 10, 16)]) \cong \text{C9}$$

$$N_1 = Group([(1, 16)(2, 8)(3, 11)(5, 10)(6, 14)(7, 12)(9, 15)(17, 18), (1, 8, 15)(2, 11, 7)(3, 4, 10)(5, 14, 9)(6, 12, 13)(16, 18, 17)]) \cong \text{PSL}(2,17)$$

$$N_2 = Group([(1, 3, 12)(2, 6, 9)(4, 13, 15)(5, 18, 11)(7, 10, 14)(8, 16, 17), (2, 8)(3, 12)(4, 18)(5, 13)(6, 17)(9, 16)(10, 14)(11, 15), (1, 4)(2, 7)(3, 15)(6, 14)(8, 16)(9, 10)(11, 18)(12, 13)]) \cong \text{D18}$$

$$N_3 = Group([(1, 18, 15, 12, 5, 13, 3, 11, 4)(2, 7, 8, 9, 14, 17, 6, 10, 16), (1, 3, 12)(2, 6, 9)(4, 13, 15)(5, 18, 11)(7, 10, 14)(8, 16, 17), (2, 8)(3, 12)(4, 18)(5, 13)(6, 17)(9, 16)(10, 14)(11, 15)]) \cong \text{D18}$$