The group G is isomorphic to the group 2.PSL(2,3) .

Ordinary character table of $G \cong$ 2.PSL(2,3) $\cong$ SL(2,7) :

	1a	2a	4a	3a	6a	8a	8b	7a	14a	7b	14b
χ_1	1	1	1	1	1	1	1	1	1	1	1
χ_2	3	3	-1	0	0	1	1	$E(7)+E(7)^2+E(7)^4$	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	$E(7)^3+E(7)^5+E(7)^6$
χ_3	3	3	-1	0	0	1	1	$E(7)^3+E(7)^5+E(7)^6$	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	$E(7)+E(7)^2+E(7)^4$
χ_4	6	6	2	0	0	0	0	-1	-1	-1	-1
χ_5	7	7	-1	1	1	-1	-1	0	0	0	0
χ_6	8	8	0	-1	-1	0	0	1	1	1	1
χ_7	4	-4	0	1	-1	0	0	$-E(7)-E(7)^2-E(7)^4$	$E(7)+E(7)^2+E(7)^4$	$-E(7)^3-E(7)^5-E(7)^6$	$E(7)^3+E(7)^5+E(7)^6$
χ_8	4	-4	0	1	-1	0	0	$-E(7)^3-E(7)^5-E(7)^6$	$E(7)^3+E(7)^5+E(7)^6$	$-E(7)-E(7)^2-E(7)^4$	$E(7)+E(7)^2+E(7)^4$
χ_9	6	-6	0	0	0	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	-1	1	-1	1
χ_{10}	6	-6	0	0	0	$-E(8)+E(8)^3$	$E(8)-E(8)^3$	-1	1	-1	1
χ_{11}	8	-8	0	-1	1	0	0	1	-1	1	-1

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

Normalisers N_i	N_1				N_2				N_3	N_4		N_5		N_6	N_7
p-subgroups of G up to conjugacy in G	P_1				P_2				P_3	P_4		P_5		P_6	P_7
Representatives $n_j \in N_i$	1a	3a	7a	7b	1a	3a	7a	7b	1a	1a	3a	1a	3a	1a	1a
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	16	4	2	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$	32	2	$4*E(7)+4*E(7)^2+2*E(7)^3+4*E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+4*E(7)^3+2*E(7)^4+4*E(7)^5+4*E(7)^6$	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11}$	32	2	$2*E(7)+2*E(7)^2+4*E(7)^3+2*E(7)^4+4*E(7)^5+4*E(7)^6$	$4*E(7)+4*E(7)^2+2*E(7)^3+4*E(7)^4+2*E(7)^5+2*E(7)^6$	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11}$	16	-2	2	2	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	8	2	1	1	8	2	1	1	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	16	1	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	16	1	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	16	1	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	16	1	$E(7)+E(7)^2+2*E(7)^3+E(7)^4+2*E(7)^5+2*E(7)^6$	$2*E(7)+2*E(7)^2+E(7)^3+2*E(7)^4+E(7)^5+E(7)^6$	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	8	-1	1	1	8	-1	1	1	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 2 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	20	2	-1	-1	20	2	-1	-1	4	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	14	2	0	0	14	2	0	0	2	2	2	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	0	-1	-1	6	0	-1	-1	2	2	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	14	2	0	0	14	2	0	0	2	0	0	2	2	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	0	-1	-1	6	0	-1	-1	2	0	0	2	-1	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 2 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	26	2	-2	-2	26	2	-2	-2	2	0	0	0	0	2	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	1

$P_1 = Group([()]) \cong$ C1

$P_2 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16)]) \cong$ C2

$P_3 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14)]) \cong$ C4

$P_4 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,13,4,15)(2,14,3,16)(5,6,7,8)(9,12,10,11)]) \cong$ Q8

$P_5 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,7,4,5)(2,9,3,10)(6,16,8,14)(11,13,12,15)]) \cong$ Q8

$P_6 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,12,2,6,4,11,3,8)(5,16,9,15,7,14,10,13)]) \cong$ C8

$P_7 = Group([(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,13,4,15)(2,14,3,16)(5,6,7,8)(9,12,10,11),(1,7,4,5)(2,9,3,10)(6,16,8,14)(11,13,12,15)]) \cong$ Q16

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

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

$N_3 = Group([(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,5,4,7)(2,10,3,9)(6,14,8,16)(11,15,12,13),(1,6,3,12,4,8,2,11)(5,15,10,16,7,13,9,14)]) \cong$ Q16

$N_4 = Group([(1,13,4,15)(2,14,3,16)(5,6,7,8)(9,12,10,11),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(2,13,14)(3,15,16)(6,12,9)(8,11,10),(1,5,4,7)(2,8,3,6)(9,13,10,15)(11,16,12,14)]) \cong$ C2 . S4 = SL(2,3) . C2

$N_5 = Group([(1,7,4,5)(2,9,3,10)(6,16,8,14)(11,13,12,15),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(2,5,9)(3,7,10)(6,14,12)(8,16,11),(1,6,3,12,4,8,2,11)(5,15,10,16,7,13,9,14)]) \cong$ C2 . S4 = SL(2,3) . C2

$N_6 = Group([(1,12,2,6,4,11,3,8)(5,16,9,15,7,14,10,13),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16),(1,5,4,7)(2,10,3,9)(6,14,8,16)(11,15,12,13)]) \cong$ Q16

$N_7 = Group([(1,7,4,5)(2,9,3,10)(6,16,8,14)(11,13,12,15),(1,13,4,15)(2,14,3,16)(5,6,7,8)(9,12,10,11),(1,2,4,3)(5,9,7,10)(6,11,8,12)(13,16,15,14),(1,4)(2,3)(5,7)(6,8)(9,10)(11,12)(13,15)(14,16)]) \cong$ Q16