The group G is isomorphic to the alternating group A7.
Ordinary character table of $G \cong$ A7:

	$1a$	$2a$	$3a$	$3b$	$4a$	$5a$	$6a$	$7a$	$7b$
χ_1	1	1	1	1	1	1	1	1	1
χ_2	6	2	3	0	0	1	-1	-1	-1
χ_3	10	-2	1	1	0	0	1	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$
χ_4	10	-2	1	1	0	0	1	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$
χ_5	14	2	2	-1	0	-1	2	0	0
χ_6	14	2	-1	2	0	-1	-1	0	0
χ_7	15	-1	3	0	-1	0	-1	1	1
χ_8	21	1	-3	0	-1	1	1	0	0
χ_9	35	-1	-1	-1	1	0	-1	0	0

Trivial source character table of $G \cong$ A7 at $p = 2$:

Normalisers N_i	N_1						N_2		N_3		N_4					N_5	N_6
p-subgroups of G up to conjugacy in G	P_1						P_2		P_3		P_4					P_5	P_6
Representatives $n_j \in N_i$	$1a$	$3a$	$3b$	$7a$	$7b$	$5a$	$1a$	$3a$	$1a$	$3a$	$1a$	$3a$	$3b$	$3c$	$3d$	$1a$	$1a$
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9$	72	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9$	64	4	-2	1	1	-1	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9$	56	-4	-1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	24	0	3	$E(7)+E(7)^2+E(7)^4$	$E(7)^3+E(7)^5+E(7)^6$	-1	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	24	0	3	$E(7)^3+E(7)^5+E(7)^6$	$E(7)+E(7)^2+E(7)^4$	-1	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	40	4	4	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+2\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9$	100	4	-2	2	2	0	4	4	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	20	2	2	-1	-1	0	4	-2	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9$	22	-2	1	1	1	2	2	2	2	2	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	14	2	-1	0	0	-1	2	2	2	-1	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	30	6	0	2	2	0	2	2	0	0	2	2	2	2	2	0	0
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	6	3	0	-1	-1	1	2	-1	0	0	2	2	-1	-1	-1	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9$	70	-2	-2	0	0	0	2	2	0	0	2	-1	2	-1	-1	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	14	-1	2	0	0	-1	2	-1	0	0	2	-1	-1	2	-1	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	14	-1	2	0	0	-1	2	-1	0	0	2	-1	-1	-1	2	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9$	50	2	-1	1	1	0	2	2	0	0	0	0	0	0	0	2	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(3,6)(5,7)]) \cong$ C2
$P_3 = Group([(2,4)(5,7),(3,6)(5,7)]) \cong$ C2 x C2
$P_4 = Group([(2,6)(3,4),(2,4)(3,6)]) \cong$ C2 x C2
$P_5 = Group([(2,3,4,6)(5,7),(2,4)(3,6)]) \cong$ C4
$P_6 = Group([(2,4)(5,7),(3,6)(5,7),(2,6)(3,4)]) \cong$ D8

$N_1 = AlternatingGroup([1..7]) \cong$ A7
$N_2 = Group([(1,2,4),(1,2)(5,7),(1,2)(3,6),(3,5)(6,7)]) \cong$ (C6 x C2) : C2
$N_3 = Group([(3,6)(5,7),(2,4)(5,7),(3,7)(5,6),(2,3,7)(4,6,5)]) \cong$ S4
$N_4 = Group([(1,5,7),(3,4,6),(1,5)(2,6)]) \cong$ (C3 x A4) : C2
$N_5 = Group([(2,4)(3,6),(2,6,4,3)(5,7),(3,6)(5,7)]) \cong$ D8
$N_6 = Group([(3,6)(5,7),(2,4)(5,7),(2,3)(4,6)]) \cong$ D8