The group G is isomorphic to the group SL(2,9) : C4.
Ordinary character table of $G \cong$ SL(2,9) : C4:

Trivial source character table of G $\cong$ SL(2,9) : C4 at p = 5

Normalisers N_i									
$p-$ subgroups of G up to conjugacy in G									
Representatives $n_j \in N_i$	$1a$	$2a$	$2b$	$3a$	$4a$	$4b$	$4c$	$4d$	$6a$
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	2	1	10	2	2	2	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	-2	1	-10	2	$2*E(4)$	$-2*E(4)$	1
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	2	1	10	2	-2	-2	1
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	-2	1	-10	2	$-2*E(4)$	$2*E(4)$	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	25	25	1	-2	25	1	-1	-1	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	25	25	1	-2	25	1	1	1	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	25	25	-1	-2	-25	1	$-E(4)$	$E(4)$	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	25	25	-1	-2	-25	1	$E(4)$	$-E(4)$	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	40	-40	0	-5	0	0	0	0	5
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	40	-40	0	-5	0	0	0	0	5
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	-2	1	-10	2	0	0	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	2	1	10	2	0	0	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	2	1	-10	-2	0	0	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	-2	1	10	-2	0	0	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	-2	1	10	-2	0	0	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	10	10	2	1	-10	-2	0	0	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}$	20	-20	0	2	0	0	0	0	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}$	20	-20	0	2	0	0	0	0	-2
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	1	1	1	1	1	1	1	1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	16	16	0	-2	-16	0	0	0	-2
$0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	1	1	1	1	1	1	-1	-1	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	16	16	0	-2	16	0	0	0	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	16	16	0	-2	16	0	0	0	-2
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	16	16	0	-2	-16	0	0	0	-2
$0\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	1	1	-1	1	-1	1	$-E(4)$	$E(4)$	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	1	1	-1	1	-1	1	$E(4)$	$-E(4)$	1
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	32	-32	0	-4	0	0	0	0	4
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}$	32	-32	0	-4	0	0	0	0	4

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,48,46,38,8)(2,10,36,77,34)(3,73,52,55,23)(4,15,51,57,19)(5,30,49,27,75)(6,21,58,50,63)(7,25,70,35,28)(9,31,56,62,74)(11,45,68,66,53)(12,42,61,69,40)(13,44,76,33,47)(14,16,60,37,78)(17,65,32,18,71)(20,39,79,24,26)(22,64,$

$N_1 = Group([(1,38,31,12)(2,16,53,10)(3,55,44,4)(5,46,29,61)(6,43,75,21)(7,30,72,64)(8,66,32,36)(9,65,79,42)(11,52,60,51)(13,26,71,15)(14,18,49,76)(17,54,73,70)(20,58,23,27)(22,45,78,25)(24,37,48,80)(28,63)(33,50,62,77)(34,67)(35,57,59$
$N_2 = Group([(1,65,3,26)(2,22,6,7)(4,9,12,13)(5,41,11,14)(8,17,23,24)(10,64,21,25)(15,31,42,44)(16,30,43,45)(18,52,39,46)(19,74,40,47)(20,48,32,73)(27,54,66,37)(28,34,67,63)(29,68,60,49)(33,57,62,69)(35,77,59,50)(36,80,58,70)(38,71,55,$

N_1									N_2									
P_1									P_2									
$8a$	$8b$	$8c$	$12a$	$12b$	$16a$	$16b$	$16c$	$16d$	$1a$	$2b$	$2b$	$2a$	$4d$	$4c$	$4a$	$4b$	$4c$	$4d$
2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2	-2	2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2	-2	2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	-2	-2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
1	1	1	-2	-2	-1	-1	-1	-1	0	0	0	0	0	0	0	0	0	0
-1	-1	1	2	2	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	0	0	0	0	0	0	0	0	0	0
-1	-1	1	2	2	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	0	0	0	0	0	0	0	0	0	0
0	0	0	$-3*E(4)$	$3*E(4)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	$3*E(4)$	$-3*E(4)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	2	-2	-1	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2	-2	-2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	-1	-1	$-E(8)+E(8)\hat{}3$	$E(8)-E(8)\hat{}3$	$E(8)-E(8)\hat{}3$	$-E(8)+E(8)\hat{}3$	0	0	0	0	0	0	0	0	0	0
0	0	0	1	1	$E(8)+E(8)\hat{}3$	$E(8)+E(8)\hat{}3$	$-E(8)-E(8)\hat{}3$	$-E(8)-E(8)\hat{}3$	0	0	0	0	0	0	0	0	0	0
0	0	0	1	1	$-E(8)-E(8)\hat{}3$	$-E(8)-E(8)\hat{}3$	$E(8)+E(8)\hat{}3$	$E(8)+E(8)\hat{}3$	0	0	0	0	0	0	0	0	0	0
0	0	0	-1	-1	$E(8)-E(8)\hat{}3$	$-E(8)+E(8)\hat{}3$	$-E(8)+E(8)\hat{}3$	$E(8)-E(8)\hat{}3$	0	0	0	0	0	0	0	0	0	0
$2*E(8)+2*E(8)\hat{}3$	$-2*E(8)-2*E(8)\hat{}3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$-2*E(8)-2*E(8)\hat{}3$	$2*E(8)+2*E(8)\hat{}3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
0	0	0	2	2	0	0	0	0	1	1	1	1	1	1	-1	-1	-1	-1
1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	-1	-1	1	1	-1	-1
0	0	0	-2	-2	0	0	0	0	1	-1	-1	1	$E(4)$	$-E(4)$	1	-1	$E(4)$	$-E(4)$
0	0	0	-2	-2	0	0	0	0	1	-1	-1	1	$-E(4)$	$E(4)$	1	-1	$-E(4)$	$E(4)$
0	0	0	2	2	0	0	0	0	1	1	1	1	-1	-1	-1	-1	1	1
-1	-1	1	-1	-1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$	1	-1	-1	1	$E(4)$	$-E(4)$	-1	1	$-E(4)$	$E(4)$
-1	-1	1	-1	-1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$	1	-1	-1	1	$-E(4)$	$E(4)$	-1	1	$E(4)$	$-E(4)$
0	0	0	0	0	0	0	0	0	2	-2	2	-2	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2	2	-2	-2	0	0	0	0	0	0

$, 80, 59, 67)(29, 54, 72, 41, 43)]) \cong \mathrm{C5}$

$, 69)(39, 68, 56, 41)(47, 74), (1, 50, 53, 67, 25, 23, 66, 32, 3, 77, 75, 28, 64, 8, 27, 20)(2, 61, 4, 36, 7, 76, 13, 80, 6, 51, 12, 58, 22, 56, 9, 70)(5, 52, 60, 43, 33, 38, 40, 31, 11, 46, 29, 16, 62, 55, 19, 44)(10, 17, 37, 48, 26, 35, 72, 63, 21, 24, 54, 73, 65, 59, 78, 34)(14, 39, 68, 45, 69, 71, 74,$
$79)(51, 56, 61, 76)(53, 78, 75, 72), (1, 3)(2, 36)(4, 51)(5, 68)(6, 58)(7, 70)(8, 73)(9, 56)(11, 49)(12, 61)(13, 76)(14, 29)(16, 43)(17, 20)(18, 79)(19, 57)(22, 80)(23, 48)(24, 32)(26, 65)(27, 53)(28, 35)(30, 45)(33, 47)(34, 77)(37, 72)(38, 52)(39, 71)(40, 69)(41, 60)(46, 55)(50,$

	$1a$	$2a$	$2b$	$3a$	$4a$	$4b$	$4c$	$4d$	$5a$	$6a$	$8a$	$8b$	$8c$	$10a$	$12a$	$12b$	$16a$	$16b$	$16c$	$16d$
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	1	1	-1	-1	1	1	1	1	1	1	1	1	-1	-1	-1	-1
χ_3	1	1	-1	1	-1	1	$-E(4)$	$E(4)$	1	1	-1	-1	1	1	-1	-1	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$
χ_4	1	1	-1	1	-1	1	$E(4)$	$-E(4)$	1	1	-1	-1	1	1	-1	-1	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$
χ_5	8	-8	0	-1	0	0	0	0	-2	1	0	0	0	2	$3*E(4)$	$-3*E(4)$	0	0	0	0
χ_6	8	-8	0	-1	0	0	0	0	-2	1	0	0	0	2	$-3*E(4)$	$3*E(4)$	0	0	0	0
χ_7	9	9	1	0	9	1	-1	-1	-1	0	1	1	1	-1	0	0	1	1	1	1
χ_8	9	9	1	0	9	1	1	1	-1	0	1	1	1	-1	0	0	-1	-1	-1	-1
χ_9	9	9	-1	0	-9	1	$-E(4)$	$E(4)$	-1	0	-1	-1	1	-1	0	0	$-E(4)$	$E(4)$	$-E(4)$	$E(4)$
χ_{10}	9	9	-1	0	-9	1	$E(4)$	$-E(4)$	-1	0	-1	-1	1	-1	0	0	$E(4)$	$-E(4)$	$E(4)$	$-E(4)$
χ_{11}	10	10	2	1	10	2	0	0	0	1	-2	-2	-2	0	1	1	0	0	0	0
χ_{12}	10	10	-2	1	-10	2	0	0	0	1	2	2	-2	0	-1	-1	0	0	0	0
χ_{13}	10	10	-2	1	10	-2	0	0	0	1	0	0	0	0	1	1	$-E(8)-E(8)\hat{}3$	$-E(8)-E(8)\hat{}3$	$E(8)+E(8)\hat{}3$	$E(8)+E(8)\hat{}3$
χ_{14}	10	10	2	1	-10	-2	0	0	0	1	0	0	0	0	-1	-1	$E(8)-E(8)\hat{}3$	$-E(8)+E(8)\hat{}3$	$-E(8)+E(8)\hat{}3$	$E(8)-E(8)\hat{}3$
χ_{15}	10	10	-2	1	10	-2	0	0	0	1	0	0	0	0	1	1	$E(8)+E(8)\hat{}3$	$E(8)+E(8)\hat{}3$	$-E(8)-E(8)\hat{}3$	$-E(8)-E(8)\hat{}3$
χ_{16}	10	10	2	1	-10	-2	0	0	0	1	0	0	0	0	-1	-1	$-E(8)+E(8)\hat{}3$	$E(8)-E(8)\hat{}3$	$E(8)-E(8)\hat{}3$	$-E(8)+E(8)\hat{}3$
χ_{17}	16	16	0	-2	16	0	0	0	1	-2	0	0	0	1	-2	-2	0	0	0	0
χ_{18}	16	16	0	-2	-16	0	0	0	1	-2	0	0	0	1	2	2	0	0	0	0
χ_{19}	16	-16	0	-2	0	0	0	0	1	2	0	0	0	-1	0	0	0	0	0	0
χ_{20}	16	-16	0	-2	0	0	0	0	1	2	0	0	0	-1	0	0	0	0	0	0
χ_{21}	20	-20	0	2	0	0	0	0	0	-2	$2*E(8)+2*E(8)\hat{}3$	$-2*E(8)-2*E(8)\hat{}3$	0	0	0	0	0	0	0	0
χ_{22}	20	-20	0	2	0	0	0	0	0	-2	$-2*E(8)-2*E(8)\hat{}3$	$2*E(8)+2*E(8)\hat{}3$	0	0	0	0	0	0	0	0

$42, 41, 18, 49, 30, 57, 79, 47, 15)]) \cong \mathrm{SL}(2{,}9) : \mathrm{C4}$

$63)(54, 78)(59, 67)(62, 74)(66, 75), (1, 48, 46, 38, 8)(2, 10, 36, 77, 34)(3, 73, 52, 55, 23)(4, 15, 51, 57, 19)(5, 30, 49, 27, 75)(6, 21, 58, 50, 63)(7, 25, 70, 35, 28)(9, 31, 56, 62, 74)(11, 45, 68, 66, 53)(12, 42, 61, 69, 40)(13, 44, 76, 33, 47)(14, 16, 60, 37, 78)(17,$

$20a$	$20b$
1	1
1	1
-1	-1
-1	-1
0	0
0	0
-1	-1
-1	-1
1	1
1	1
0	0
0	0
0	0
0	0
0	0
0	0
1	1
-1	-1
$E(20) + E(20)\hat{} 9 - E(20)\hat{} 13 - E(20)\hat{} 17$	$-E(20) - E(20)\hat{} 9 + E(20)\hat{} 13 + E(20)\hat{} 17$
$-E(20) - E(20)\hat{} 9 + E(20)\hat{} 13 + E(20)\hat{} 17$	$E(20) + E(20)\hat{} 9 - E(20)\hat{} 13 - E(20)\hat{} 17$
0	0
0	0

$65, 32, 18, 71)(20, 39, 79, 24, 26)(22, 64, 80, 59, 67)(29, 54, 72, 41, 43), (2, 74, 58, 33)(4, 28, 61, 59)(5, 72, 49, 54)(6, 47, 36, 62)(7, 40, 80, 57)(8, 38, 48, 46)(9, 63, 76, 77)(10, 31, 21, 44)(11, 78, 68, 37)(12, 67, 51, 35)(13, 34, 56, 50)(14, 53, 60, 66)(15, 25, 42, 64)(16, 45)(17, 79, 32,$

$, 39)(18, 24, 71, 20)(19, 70, 69, 22)(23, 55, 73, 52)(26, 65)(27, 41, 75, 29)(30, 43), (2, 58)(4, 61)(5, 49)(6, 36)(7, 80)(8, 48)(9, 76)(10, 21)(11, 68)(12, 51)(13, 56)(14, 60)(15, 42)(17, 32)(18, 71)(19, 69)(20, 24)(22, 70)(23, 73)(25, 64)(27,$

$75)(28,59)(29,41)(31,44)(33,74)(34,50)(35,67)(37,78)(38,46)(39,79)(40,57)(47,62)(52,55)(53,66)(54,72)(63,77)]) \cong \mathrm{C20} : \mathrm{C4}$