The group G is isomorphic to the group labelled by [72, 7] in the Small Groups library.
Ordinary character table of $G \cong$ C2 x (C9 : C4):

	$1a$	$9a$	$3a$	$9b$	$9c$	$4a$	$2a$	$18a$	$6a$	$18b$	$18c$	$4b$	$2b$	$18d$	$6b$	$18e$	$18f$	$4c$	$2c$	$18g$	$6c$	$18h$	$18i$	$4d$
χ_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
χ_2	1	1	1	1	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	1	1	1	1	1	-1	1	1	1	1	1	-1	1	1	1	1	1	-1
χ_4	1	1	1	1	1	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
χ_5	1	1	1	1	1	$-E(4)$	-1	-1	-1	-1	-1	$E(4)$	-1	-1	-1	-1	-1	$E(4)$	1	1	1	1	1	$-E(4)$
χ_6	1	1	1	1	1	$E(4)$	-1	-1	-1	-1	-1	$-E(4)$	-1	-1	-1	-1	-1	$-E(4)$	1	1	1	1	1	$E(4)$
χ_7	1	1	1	1	1	$-E(4)$	-1	-1	-1	-1	-1	$E(4)$	1	1	1	1	1	$-E(4)$	-1	-1	-1	-1	-1	$E(4)$
χ_8	1	1	1	1	1	$E(4)$	-1	-1	-1	-1	-1	$-E(4)$	1	1	1	1	1	$E(4)$	-1	-1	-1	-1	-1	$-E(4)$
χ_9	2	-1	2	-1	-1	0	-2	1	-2	1	1	0	-2	1	-2	1	1	0	2	-1	2	-1	-1	0
χ_{10}	2	-1	2	-1	-1	0	-2	1	-2	1	1	0	2	-1	2	-1	-1	0	-2	1	-2	1	1	0
χ_{11}	2	-1	2	-1	-1	0	2	-1	2	-1	-1	0	-2	1	-2	1	1	0	-2	1	-2	1	1	0
χ_{12}	2	-1	2	-1	-1	0	2	-1	2	-1	-1	0	2	-1	2	-1	-1	0	2	-1	2	-1	-1	0
χ_{13}	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	-2	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	1	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	0	-2	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	1	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	0	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0
χ_{14}	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	-2	$-E(9)^4-E(9)^5$	1	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	0	-2	$-E(9)^4-E(9)^5$	1	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	0	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0
χ_{15}	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	-2	$-E(9)^2-E(9)^7$	1	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	0	-2	$-E(9)^2-E(9)^7$	1	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	0	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0
χ_{16}	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	-2	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	1	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	0	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	-2	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	1	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	0
χ_{17}	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	-2	$-E(9)^4-E(9)^5$	1	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	0	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	-2	$-E(9)^4-E(9)^5$	1	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	0
χ_{18}	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	-2	$-E(9)^2-E(9)^7$	1	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	0	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	-2	$-E(9)^2-E(9)^7$	1	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	0
χ_{19}	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	-2	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	1	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	0	-2	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	1	$-E(9)^2-E(9)^7$	$-E(9)^4-E(9)^5$	0
χ_{20}	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	-2	$-E(9)^4-E(9)^5$	1	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	0	-2	$-E(9)^4-E(9)^5$	1	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	$-E(9)^2-E(9)^7$	0
χ_{21}	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	-2	$-E(9)^2-E(9)^7$	1	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	0	-2	$-E(9)^2-E(9)^7$	1	$-E(9)^4-E(9)^5$	$E(9)^2+E(9)^4+E(9)^5+E(9)^7$	0
χ_{22}	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0
χ_{23}	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0
χ_{24}	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0

Trivial source character table of $G \cong$ C2 x (C9 : C4) at $p = 2$:

Normalisers N_i	N_1					N_2					N_3					N_4					N_5					N_6	N_7	N_8
p-subgroups of G up to conjugacy in G	P_1					P_2					P_3					P_4					P_5					P_6	P_7	P_8
Representatives $n_j \in N_i$	$1a$	$9a$	$3a$	$9b$	$9c$	$1a$	$9c$	$3a$	$9a$	$9b$	$1a$	$9c$	$3a$	$9a$	$9b$	$1a$	$9c$	$3a$	$9a$	$9b$	$1a$	$9c$	$3a$	$9a$	$9b$	$1a$	$1a$	$1a$
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	8	-4	8	-4	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	8	$-4*E(9)^2-4*E(9)^4-4*E(9)^5-4*E(9)^7$	-4	$4*E(9)^2+4*E(9)^7$	$4*E(9)^4+4*E(9)^5$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}$	8	$4*E(9)^4+4*E(9)^5$	-4	$-4*E(9)^2-4*E(9)^4-4*E(9)^5-4*E(9)^7$	$4*E(9)^2+4*E(9)^7$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	8	$4*E(9)^2+4*E(9)^7$	-4	$4*E(9)^4+4*E(9)^5$	$-4*E(9)^2-4*E(9)^4-4*E(9)^5-4*E(9)^7$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	-2	4	-2	-2	4	-2	4	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	-2	$2*E(9)^2+2*E(9)^7$	$2*E(9)^4+2*E(9)^5$	4	$2*E(9)^4+2*E(9)^5$	-2	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	$2*E(9)^2+2*E(9)^7$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}$	4	$2*E(9)^4+2*E(9)^5$	-2	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	$2*E(9)^2+2*E(9)^7$	4	$2*E(9)^2+2*E(9)^7$	-2	$2*E(9)^4+2*E(9)^5$	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	4	$2*E(9)^2+2*E(9)^7$	-2	$2*E(9)^4+2*E(9)^5$	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	4	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	-2	$2*E(9)^2+2*E(9)^7$	$2*E(9)^4+2*E(9)^5$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	4	4	4	4	0	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	-2	4	-2	-2	0	0	0	0	0	4	-2	4	-2	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	-2	$2*E(9)^2+2*E(9)^7$	$2*E(9)^4+2*E(9)^5$	0	0	0	0	0	4	$2*E(9)^4+2*E(9)^5$	-2	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	$2*E(9)^2+2*E(9)^7$	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}$	4	$2*E(9)^4+2*E(9)^5$	-2	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	$2*E(9)^2+2*E(9)^7$	0	0	0	0	0	4	$2*E(9)^2+2*E(9)^7$	-2	$2*E(9)^4+2*E(9)^5$	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	4	$2*E(9)^2+2*E(9)^7$	-2	$2*E(9)^4+2*E(9)^5$	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	0	0	0	0	0	4	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	-2	$2*E(9)^2+2*E(9)^7$	$2*E(9)^4+2*E(9)^5$	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	-2	4	-2	-2	0	0	0	0	0	0	0	0	0	0	4	-2	4	-2	-2	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	-2	$2*E(9)^2+2*E(9)^7$	$2*E(9)^4+2*E(9)^5$	0	0	0	0	0	0	0	0	0	0	4	$2*E(9)^4+2*E(9)^5$	-2	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	$2*E(9)^2+2*E(9)^7$	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}$	4	$2*E(9)^4+2*E(9)^5$	-2	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	$2*E(9)^2+2*E(9)^7$	0	0	0	0	0	0	0	0	0	0	4	$2*E(9)^2+2*E(9)^7$	-2	$2*E(9)^4+2*E(9)^5$	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	4	$2*E(9)^2+2*E(9)^7$	-2	$2*E(9)^4+2*E(9)^5$	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	0	0	0	0	0	0	0	0	0	0	4	$-2*E(9)^2-2*E(9)^4-2*E(9)^5-2*E(9)^7$	-2	$2*E(9)^2+2*E(9)^7$	$2*E(9)^4+2*E(9)^5$	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	2	-1	2	-1	-1	2	-1	2	-1	-1	2	-1	2	-1	-1	2	-1	2	-1	-1	2	-1	2	-1	-1	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	2	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	-1	$E(9)^2+E(9)^7$	$E(9)^4+E(9)^5$	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+0\cdot\chi_{24}$	2	$E(9)^4+E(9)^5$	-1	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	$E(9)^2+E(9)^7$	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	2	$E(9)^2+E(9)^7$	-1	$E(9)^4+E(9)^5$	$-E(9)^2-E(9)^4-E(9)^5-E(9)^7$	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	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

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(3,5)(4,6)]) \cong$ C2
$P_3 = Group([(1,2)]) \cong$ C2
$P_4 = Group([(1,2)(3,5)(4,6)]) \cong$ C2
$P_5 = Group([(3,5)(4,6),(1,2)]) \cong$ C2 x C2
$P_6 = Group([(3,5)(4,6),(3,4,5,6)(8,13)(9,12)(10,11)(14,15)]) \cong$ C4
$P_7 = Group([(3,5)(4,6),(1,2)(3,4,5,6)(8,13)(9,12)(10,11)(14,15)]) \cong$ C4
$P_8 = Group([(3,5)(4,6),(1,2),(3,4,5,6)(8,13)(9,12)(10,11)(14,15)]) \cong$ C4 x C2

$N_1 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong$ C2 x (C9 : C4)
$N_2 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong$ C2 x (C9 : C4)
$N_3 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong$ C2 x (C9 : C4)
$N_4 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong$ C2 x (C9 : C4)
$N_5 = Group([(3,4,5,6)(8,13)(9,12)(10,11)(14,15),(1,2),(3,5)(4,6),(7,8,10,12,14,15,9,11,13),(7,9,12)(8,11,14)(10,13,15)]) \cong$ C2 x (C9 : C4)
$N_6 = Group([(3,6,5,4)(8,13)(9,12)(10,11)(14,15),(3,5)(4,6),(1,2)]) \cong$ C4 x C2
$N_7 = Group([(3,6,5,4)(8,13)(9,12)(10,11)(14,15),(3,5)(4,6),(1,2)]) \cong$ C4 x C2
$N_8 = Group([(3,6,5,4)(8,13)(9,12)(10,11)(14,15),(3,5)(4,6),(1,2)]) \cong$ C4 x C2