The group G is isomorphic to the group labelled by [72, 34] in the Small Groups library.
Ordinary character table of $G \cong$ C2 x ((C3 x C3) : C4):

	1a	3a	3b	3c	3d	2a	6a	6b	6c	6d	4a	4b	2b	6e	6f	6g	6h	2c	6i	6j	6k	6l	4c	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	−1	−1	−1	−1	−1	$-E(4)$	$E(4)$	−1	−1	−1	−1	−1	1	1	1	1	1	$E(4)$	$-E(4)$
χ_6	1	1	1	1	1	−1	−1	−1	−1	−1	$E(4)$	$-E(4)$	−1	−1	−1	−1	−1	1	1	1	1	1	$-E(4)$	$E(4)$
χ_7	1	1	1	1	1	1	1	1	1	1	$-E(4)$	$-E(4)$	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1	$E(4)$	$E(4)$
χ_8	1	1	1	1	1	1	1	1	1	1	$E(4)$	$E(4)$	−1	−1	−1	−1	−1	−1	−1	−1	−1	−1	$-E(4)$	$-E(4)$
χ_9	2	2	−1	−1	−1	−2	−2	1	1	1	0	0	−2	−2	1	1	1	2	2	−1	−1	−1	0	0
χ_{10}	2	2	−1	−1	−1	−2	−2	1	1	1	0	0	2	2	−1	−1	−1	−2	−2	1	1	1	0	0
χ_{11}	2	2	−1	−1	−1	2	2	−1	−1	−1	0	0	−2	−2	1	1	1	−2	−2	1	1	1	0	0
χ_{12}	2	2	−1	−1	−1	2	2	−1	−1	−1	0	0	2	2	−1	−1	−1	2	2	−1	−1	−1	0	0
χ_{13}	2	−1	2	−1	−1	2	−1	2	−1	−1	0	0	2	−1	2	−1	−1	2	−1	2	−1	−1	0	0
χ_{14}	2	−1	2	−1	−1	2	−1	2	−1	−1	0	0	−2	1	−2	1	1	−2	1	−2	1	1	0	0
χ_{15}	2	−1	2	−1	−1	−2	1	−2	1	1	0	0	2	−1	2	−1	−1	−2	1	−2	1	1	0	0
χ_{16}	2	−1	2	−1	−1	−2	1	−2	1	1	0	0	−2	1	−2	1	1	2	−1	2	−1	−1	0	0
χ_{17}	2	−1	−1	−1	2	−2	1	1	1	−2	0	0	−2	1	1	1	−2	2	−1	−1	−1	2	0	0
χ_{18}	2	−1	−1	−1	2	−2	1	1	1	−2	0	0	2	−1	−1	−1	2	−2	1	1	1	−2	0	0
χ_{19}	2	−1	−1	−1	2	2	−1	−1	−1	2	0	0	−2	1	1	1	−2	−2	1	1	1	−2	0	0
χ_{20}	2	−1	−1	−1	2	2	−1	−1	−1	2	0	0	2	−1	−1	−1	2	2	−1	−1	−1	2	0	0
χ_{21}	2	−1	−1	2	−1	−2	1	1	−2	1	0	0	−2	1	1	−2	1	2	−1	−1	2	−1	0	0
χ_{22}	2	−1	−1	2	−1	−2	1	1	−2	1	0	0	2	−1	−1	2	−1	−2	1	1	−2	1	0	0
χ_{23}	2	−1	−1	2	−1	2	−1	−1	2	−1	0	0	−2	1	1	−2	1	−2	1	1	−2	1	0	0
χ_{24}	2	−1	−1	2	−1	2	−1	−1	2	−1	0	0	2	−1	−1	2	−1	2	−1	−1	2	−1	0	0

Trivial source character table of $G \cong$ C2 x ((C3 x C3) : 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	3a	3b	3c	3d	1a	3a	3d	3c	3b	1a	3a	3d	3c	3b	1a	3a	3d	3c	3b	1a	3a	3d	3c	3b	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	8	−4	−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
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	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
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+1\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}$	8	−4	−4	8	−4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+1\cdot\chi_{18}+1\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	8	−4	−4	−4	8	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
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	−2	−2	−2	4	4	−2	4	−2	−2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+1\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	4	−2	−2	4	−2	4	−2	−2	4	−2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	−2	4	−2	−2	4	−2	−2	−2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	4	−2	−2	−2	4	4	−2	−2	−2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	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
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	−2	−2	−2	4	0	0	0	0	0	4	−2	4	−2	−2	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	4	−2	−2	−2	0	0	0	0	0	0	0	0	0	0	4	4	−2	−2	−2	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	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
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	−2	−2	4	−2	4	−2	−2	4	−2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+1\cdot\chi_{23}+1\cdot\chi_{24}$	4	−2	−2	4	−2	0	0	0	0	0	4	−2	−2	4	−2	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	−2	−2	−2	4	0	0	0	0	0	0	0	0	0	0	4	−2	−2	−2	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	4	−2	−2	−2	0	0	0	0	0	0	0	0	0	0	4	4	−2	−2	−2	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}$	4	−2	4	−2	−2	0	0	0	0	0	0	0	0	0	0	4	−2	−2	4	−2	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	4	−2	−2	4	−2	0	0	0	0	0	0	0	0	0	0	4	−2	−2	−2	4	0	0	0	0	0	0	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	2	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	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

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

$N_1 = Group([(1,2,3,4)(5,6)(8,9)(11,12),(1,3)(2,4)(5,6),(1,3)(2,4),(7,9,8)(10,11,12),(7,8,9)]) \cong$ C2 x ((C3 x C3) : C4)
$N_2 = Group([(1,2,3,4)(5,6)(8,9)(11,12),(1,3)(2,4)(5,6),(1,3)(2,4),(7,9,8)(10,11,12),(7,8,9)]) \cong$ C2 x ((C3 x C3) : C4)
$N_3 = Group([(1,2,3,4)(5,6)(8,9)(11,12),(1,3)(2,4)(5,6),(1,3)(2,4),(7,9,8)(10,11,12),(7,8,9)]) \cong$ C2 x ((C3 x C3) : C4)
$N_4 = Group([(1,2,3,4)(5,6)(8,9)(11,12),(1,3)(2,4)(5,6),(1,3)(2,4),(7,9,8)(10,11,12),(7,8,9)]) \cong$ C2 x ((C3 x C3) : C4)
$N_5 = Group([(1,2,3,4)(5,6)(8,9)(11,12),(1,3)(2,4)(5,6),(1,3)(2,4),(7,9,8)(10,11,12),(7,8,9)]) \cong$ C2 x ((C3 x C3) : C4)
$N_6 = Group([(1,4,3,2)(5,6)(8,9)(11,12),(1,4,3,2)(8,9)(11,12),(1,3)(2,4)]) \cong$ C4 x C2
$N_7 = Group([(1,4,3,2)(8,9)(11,12),(5,6),(1,3)(2,4)]) \cong$ C4 x C2
$N_8 = Group([(1,4,3,2)(5,6)(8,9)(11,12),(5,6),(1,3)(2,4)]) \cong$ C4 x C2