The group G is isomorphic to the group labelled by [72, 35] in the Small Groups library. Ordinary character table of $G \cong (C6 \times C6)$: C2:

	1a	2a	2b	3a	6a	6b	6c	2c	4a	3b	6d	6e	6f	3c	6g	6h	6i	3d	6j	6k	6l
χ_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
χ_3	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
χ_5	2	-2	2	2	-2	2	-2	0	0	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1
χ_6	2	2	2	2	2	2	2	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
χ_7	2	0	-2	2	0	-2	0	0	0	2	0	-2	0	2	0	-2	0	2	0	-2	0
χ_8	2	-2	2	-1	1	-1	1	0	0	2	-2	2	-2	-1	1	-1	1	-1	1	-1	1
χ_9	2	2	2	-1	-1	-1	-1	0	0	2	2	2	2	-1	-1	-1	-1	-1	-1	-1	-1
χ_{10}	2	-2	2	-1	1	-1	1	0	0	-1	1	-1	1	-1	1	-1	1	2	-2	2	-2
χ_{11}	2	-2	2	-1	1	-1	1	0	0	-1	1	-1	1	2	-2	2	-2	-1	1	-1	1
χ_{12}	2	2	2	-1	-1	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	2	2	2	2
χ_{13}	2	2	2	-1	-1	-1	-1	0	0	-1	-1	-1	-1	2	2	2	2	-1	-1	-1	-1
χ_{14}	2	0	-2	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	0	0	2	0	-2	0	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$
χ_{15}	2	0	-2	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	0	0	2	0	-2	0	-1	$E(3) - E(3)^2$	1		-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$
χ_{16}	2	0	-2	2	0	-2	0	0	0	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$		$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$
χ_{17}	2	0	-2	2	0	-2	0	0	0	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$
χ_{18}	2	0	-2	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	0	0	-1	$-E(3) + E(3)^2$	1		-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$		0	-2	0
χ_{19}	2	0	-2	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	0	0	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	2	0	-2	0
χ_{20}	2	0	-2	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	0	0	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	2	0	-2	0	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$
	2	0	-2	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	0	0	-1	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	2	0	-2	0	-1	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$

Trivial source character table of $G \cong (C6 \times C6)$: C2 at $p = 2$:																				,
Normalisers N_i		N_1		N_2	2					N_3					N_4		N_5	N	$N_6 \mid N_7 \mid I$	$\overline{N_8}$
p-subgroups of G up to conjugacy in G		P_1		P_2	2					P_3					P_4		P_5	P	P_6 P_7	$\overline{P_8}$
Representatives $n_j \in N_i$	1a $3a$	3b $3c$	3d $1a$	3a $3b$	3d 3	$3c \mid 1a$	3c	3b	3f	3e	3a	3h	3d	3g	1a	1a $3a$	3b 3	3d $3c$ $1a$	1a $1a$	1a
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 2 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	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
$ \left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \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} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \right $	8 8 -	-4 -4	-4 0	0 0	0	$0 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	
$ \left \ 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} + 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} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} \right $	8 - 4	-4 8	-4 0	0 0	0	$0 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	
$ \left \ 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} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \right $	8 - 4	-4 -4	8 0	0 0	0	$0 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	
$ \left \ 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 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \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} \right $	8 -4	8 -4	-4 0	0 0	0	$0 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 ($0 \mid 0$	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	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
$ \left \ 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 + 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} \right $	4 -2	4 -2	-2 4	-2 4	-2 -	$-2 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	0
$ \begin{vmatrix} 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} + 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} \end{vmatrix} $	4 -2	-2 4	-2 4	-2 -2	2 - 2	$4 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	0
$ \left 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} \right $	4 -2 -	-2 -2	4 4	-2 -2	2 4 -	$-2 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	0
$ \left \ 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \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} \right $	4 4	-2 -2	-2 4	4 - 2	2 - 2 -	$-2 \mid 0$	0	0	0	0	0	0	0	0	0	0 0	0 (0 0 0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	4 4	4 4	4 0	0 0	0	0 2	2	2	2	2	2	2	2	2	0	0 0	0 (0 0 0	0 0	0
$ \begin{vmatrix} 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} + 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} \end{vmatrix} $	4 -2	4 -2	-2 0	0 0	0	$0 \mid 2$	2	$2 * E(3)^2$	2	$2 * E(3)^2$	2 * E(3)	$2 * E(3)^2$	2 * E(3)	2 * E(3)	0	0 0	0 (0 0 0	0 0	0
$ \begin{vmatrix} 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} + 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} \end{vmatrix} $	4 -2	4 -2	-2 0	0 0	0	$0 \mid 2$	2	2*E(3)	2	2*E(3)	$2*E(3)^2$	2*E(3)	$2*E(3)^2$	$2*E(3)^2$	0	0 0	0 (0 0 0	0 0	0
$ \left \ 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} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \right $	4 4	-2 -2	-2 0	0 0	0	$0 \mid 2$	$2 * E(3)^2$	2	2 * E(3)	$2*E(3)^2$	2	2 * E(3)	$2 * E(3)^2$	2 * E(3)	0	0 0	0 (0 0 0	0 0	0
$ \left \ 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} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \right $	4 4	-2 -2	-2 0	0 0	0	$0 \mid 2$	2 * E(3)		$2*E(3)^2$	2 * E(3)	2	$2*E(3)^2$	2 * E(3)	$2*E(3)^2$	0	0 0	0 (0 0 0	0 0	0
$ \begin{vmatrix} 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} + 1 \cdot \chi_{21} \end{vmatrix} $	4 -2 -	-2 4	-2 0	0 0	0	$0 \mid 2$	$2*E(3)^2$	$2 * E(3)^2$	2*E(3)	2 * E(3)	2 * E(3)	2	2	$2*E(3)^2$	0	0 0	0 (0 0 0	0 0	0
$ \begin{vmatrix} 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} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} \end{vmatrix} $	4 -2 -	-2 4	-2 0	0 0	0	$0 \mid 2$	2*E(3)	2*E(3)	$2*E(3)^2$	$2*E(3)^2$	$2*E(3)^2$	2	2	2*E(3)	0	0 0	0 (0 0 0	0 0	0
$ \left 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} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \right $	4 -2 -	-2 -2	$4 \mid 0$	0 0	0	$0 \mid 2$	2 * E(3)	$2*E(3)^2$	$2 * E(3)^2$	2	2 * E(3)	2 * E(3)	$2 * E(3)^2$	2	0	0 0	0 (0 0 0	0 0	0
$ \left \ 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} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \right $	4 -2 -	-2 -2	$4 \mid 0$	0 0	0	$0 \mid 2$	$2 * E(3)^2$	2 * E(3)	2 * E(3)	2	$2*E(3)^2$	$2*E(3)^2$	2 * E(3)	2	0	0 0	0 (0 0 0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	4 4	4 4	4 0	0 0	0	0 0	0	0	0	0	0	0	0	0	2	0 0	0 (0 0 0	J 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	2 2	2 2	2 2	2 2	2	2 2	2	2	2	2	2	2	2	2	0	2 2	2 '	2 2 0	0 0	0
$ \begin{vmatrix} 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} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \end{vmatrix} $	2 -1	2 -1	$-1 \mid 2$	-1 2	-1 -	-1 2	2	-1	2	-1	-1	-1	-1	-1	0	2 -1	2 -	-1 -1 0	0 0	0
$ \begin{vmatrix} 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} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} \end{vmatrix} $	2 2	-1 -1	$-1 \mid 2$	2 -1	-1 -	-1 2	-1	2	-1	-1	2	-1	-1	-1	0	2 2	-1 -	-1 -1 0	0 0	0
$ \begin{vmatrix} 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} \end{vmatrix} $	2 -1	-1 -1	$2 \mid 2$	-1 -1	2 -	-1 2	-1	-1	-1	2	-1	-1	-1	2	0	2 -1	-1 '	$2 -1 \mid 0$	0 0	0
$ \begin{vmatrix} 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} \end{vmatrix} $	2 -1	-1 2	$-1 \mid 2$	-1 -1	-1	$2 \mid 2$	-1	-1	-1	-1	-1	2	2	-1	0	2 -1	-1 -	-1 2 0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	2 2	2 2	2 2	2 2	2	2 0	0	0	0	0	0	0	0	0	2	0 0	0 /	0 0 2	2 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	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	0 2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21}$	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

 $P_1 = Group([()]) \cong 1$

 $P_2 = Group([(7,9)(8,10)]) \cong C2$

 $P_3 = Group([(7,8)(9,10)]) \cong C2$ $P_4 = Group([(2,3)(5,6)(8,10)]) \cong C2$

 $P_5 = Group([(7,9)(8,10),(7,8)(9,10)]) \cong C2 \times C2$

 $P_6 = Group([(7,9)(8,10), (2,3)(5,6)(8,10)]) \cong C2 \times C2$

 $P_7 = Group([(7,9)(8,10),(2,3)(5,6)(7,10,9,8)]) \cong C4$

 $P_8 = Group([(7,9)(8,10), (7,8)(9,10), (2,3)(5,6)(8,10)]) \cong D8$

 $N_1 = Group([(2,3)(5,6)(8,10),(7,8)(9,10),(7,9)(8,10),(1,3,2),(1,2,3)(4,5,6)]) \cong (C6 \times C6) : C2$

 $N_2 = Group([(2,3)(5,6)(8,10),(7,8)(9,10),(7,9)(8,10),(1,3,2),(1,2,3)(4,5,6)]) \cong (C6 \times C6) : C2$ $N_3 = Group([(7,8)(9,10),(7,9)(8,10),(7,10)(8,9),(4,6,5),(1,2,3)]) \cong C6 \times C6$

 $N_4 = Group([(2,3)(5,6)(8,10),(7,9)(8,10)]) \cong C2 \times C2$

 $N_5 = Group([(2,3)(5,6)(8,10),(7,8)(9,10),(7,9)(8,10),(1,3,2),(1,2,3)(4,5,6)]) \cong (C6 \times C6) : C2$

 $N_6 = Group([(2,3)(5,6)(8,10),(7,8)(9,10),(7,10)(8,9)]) \cong D8$

 $N_7 = Group([(2,3)(5,6)(8,10), (7,8)(9,10), (7,10)(8,9)]) \cong D8$

 $N_8 = Group([(2,3)(5,6)(8,10), (7,8)(9,10), (7,10)(8,9)]) \cong D8$