	1a	2a	4a	2b	2c	2d	2e	4b	4c	4d	2f	2g	4e	4f
χ_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
χ_3	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
χ_5	1	-1	1	1	1	1	-1	-1	1	1	1	1	-1	1
χ_6	1	1	-1	-1	1	1	-1	-1	1	-1	-1	1	1	1
χ_7	1	1	-1	1	1	1	-1	1	-1	-1	1	1	-1	-1
χ_8	1	1	1	-1	1	1	1	-1	-1	1	-1	1	-1	-1
χ_9	2	0	0	2	-2	2	0	0	0	0	-2	-2	0	0
χ_{10}	2	0	0	-2	-2	2	0	0	0	0	2	-2	0	0
χ_{11}	2	0	-2	0	2	-2	0	0	0	2	0	-2	0	0
χ_{12}	2	0	2	0	2	-2	0	0	0	-2	0	-2	0	0
χ_{13}	2	0	0	0	-2	-2	0	0	-2 * E(4)	0	0	2	0	2 * E(4)
χ_{14}	2	0	0	0	-2	-2	0	0	2 * E(4)	0	0	2	0	-2*E(4)

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

Trivial source character table of $G \cong (C4 \times C2 \times C2) : C2$ at $p = 2$:																																				
Normalisers N_i	$N_1 \mid N_2$	$_2 \mid N_3$	N_4	$N_5 \mid N_6$	N_7	$N_8 \mid I$	$N_9 \mid N_{10}$	N_{11}	$_{1}\mid N_{12}\mid I$	N_{13}	$N_{14} \mid N_{15}$	$_{5} \mid N_{16}$	N_{17}	$V_{18} \mid N_{19}$	$_{9} \mid N_{20}$	N_{21}	$N_{22} \mid N$	$I_{23} \mid N_{24}$	$_{4} \mid N_{25} \mid$	$N_{26} \mid I$	$V_{27} \mid N$	$V_{28} \mid N_{29}$	N_{30}	N_{31} .	$N_{32} \mid \Lambda$	$V_{33} \mid N_{34}$	N_{35}	N_{36} N_{36}	$V_{37} \mid N_{38}$	N_{39}	$N_{40} \mid N_{41}$	N_{42}	N_{43}	$N_{44} \mid P$	$V_{45} \mid N_{4}$	$_{16} N_{47}$
p-subgroups of G up to conjugacy in G	$P_1 \mid P_2$	P_3	P_4	P_5 P_6	P_7	P_8	$P_9 \mid P_{10}$	P_{11}	P_{12}	P_{13}	$P_{14} \mid P_{15}$	P_{16}	P_{17}	$P_{18} \mid P_{19}$	P_{20}	P_{21}	P_{22} P	$P_{23} \mid P_{24}$	P_{25}	P_{26}	$P_{27} \mid P$	$P_{28} \mid P_{29}$	P_{30}	P_{31}	P_{32}	$P_{33} \mid P_{34}$	P_{35}	P_{36}	$P_{37} \mid P_{38}$	P_{39}	$P_{40} \mid P_{41}$	P_{42}	P_{43}	$P_{44} \mid I$	$P_{45} \mid P_4$	P_{47}
Representatives $n_i \in N_i$	1a $1a$	$i \mid 1a$	1 <i>a</i>	1a 1a	1a	1a 1	1a 1a	1a	1a	1a	1a $1a$	1a	1a	1a $1a$	1a	1a	1a 1	a $1a$	1a	1a	1a 1	a 1 a	1a	1a	1a 1	1a $1a$	1a	1a 1	a $1a$	1a	1a $1a$	1a	1a	1a	$1a$ 1ϵ	a = 1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14}$	32 0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 (0 0	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	, 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16 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	0 (0 0	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	, 0
$\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	16 0	16	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 (0 0	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	, 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	16 0	0	16	0 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 (0 0	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14}$	16 0	0	0	16 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 (0 0	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16 0	0	0	0 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	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$-\frac{1}{2}\frac{1}{1}\frac{1}{2$	16 0	0	0	0 0	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	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$\frac{1}{2} \frac{1}{11} + \frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{12} + \frac{1}{2} \frac{1}$	16 0	0	0	0 0	0	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	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	8	8	8 0	0	0	8 0	0	0	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 ($\frac{0}{0}$	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0	8	0 0	0	0	0 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	0 0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	8	0	0 4	4	0	0 0	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	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0	8	0 8	0	0	0 0	0	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	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0	8	0 0	8	0	0 0	0	0	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 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 0	0	0	8 0	0	4	0 0	0	0	0	4 0	0	0	0 0	0	0	0	0 0	0	0	0 ($\frac{0}{0}$	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	8	0	0 0	0	0	0 0	0	0	0	$\begin{array}{c c} 0 & 8 \\ \hline \end{array}$	0	0	0 0	0	0	0	0 0	0	0	0 ($\frac{0}{0}$	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 2 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	8	0	0 0	0	0	0 0	0	0	0	0 0	8	0	0 0	0	0	0	0 0	0	0	0 ($\frac{0}{2}$	0	0	0	0 0	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	8	0	0 0	0	4	0 0	0	0	0	0 0	0	4	0 0	0	0	0	$\frac{0}{0}$	0	0	0 ($\frac{0}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	0	0	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	8	0	0 0	0	0	0 0	0	0	0	0 0	0	0	$\frac{4}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 ($\frac{1}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	10	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 0	0	0	8 4	4	0	0 0	0	0	0	0 0	0	0	0 4	0	0	0	0 0	0	0	0 ($\frac{1}{2}$	0	0	0	0 0	0	0	0 0	0	0 0	0	10	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 4	8	0	0 0	0	0	0 0	0	0	0	0 0	0	0	0 0	4	0	0	0 0	0	0	0 ($\frac{1}{2}$	0	0	0	0 0	0	0	0 0	0	0 0	0	10	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 4	0	8	0 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	4	0	0 0	0	0	0 ($\frac{1}{2}$	0	0	0	0 0	0	0	0 0	0	0 0	0	10	0	0 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 4	0	0	8 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	0	4	$\frac{0}{4}$	0	0	0 ($\frac{1}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	10	0	$\frac{0}{0}$	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0	8	0 0	0	0	0 0	0	0	0	0 0	0	0	0 0	0	0	0	$\frac{4}{0}$	0	0	0 ($\frac{1}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	10	0	0 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0	8	0 0	0	4	0 0	0	0	0	0 0	0	0	0 0	0	0	0	$\frac{0}{4}$	0	0	0 ($\frac{1}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	$\frac{1}{0}$	0	$\frac{0}{0}$	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	$\frac{4}{4}$	$\frac{4}{4}$	4	4 0	0	0	$\frac{4}{4}$	0	0	0	0 0	0	0	0 0	0	0	0	$\frac{4}{0}$	4	0	0 ($\frac{1}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	$\frac{1}{0}$	0	$\frac{0}{0}$	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	$\frac{4}{4}$	4	4	4 0	0	4	4 0	0	0	0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	4	0 0	0	0	0	0 4 0	0	4	0 0	$\frac{1}{2}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	10	0	$\frac{0}{0}$	0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \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}}{1 \cdot \chi_5 + 1 \cdot \chi_5 + 1 \cdot \chi_5 + 1 \cdot \chi_5 + 1 \cdot \chi_5 + 0 \cdot \chi_5 $	4 4	4	4	4 0	0	0	4 0	0	0	0	0 0	0	0	4 0	4	4	4	$\frac{0}{0}$	0	0	4 0	$\frac{1}{4}$	0	0	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	10	0	$\frac{0}{0}$	0
$\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_4 + 0 \cdot \chi_4 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 0	4	4	0 0	0	0	0 0	0	0	0	0 0	0	0	$\frac{4}{2}$	0	0	0	0 0	0	0	0 4	$\frac{1}{2}$	0	0	0	0 0	0	0	0 0	0	0 0	0	10	0	0 0	0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 0	4	1	4 0	2	0	4 0	2	0	0	0 4	4	0	$\frac{2}{0}$	0	0	0	0 0	0	0	0 ($\frac{1}{2}$	4	0	0	0 0	0	0	0 0	0	0 0	0	10	0	0 0	0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \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}}{1 \cdot \chi_4 + 0 \cdot \chi_5 $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4	4	4 0	0	0	4 0	0	0	0	$\begin{array}{c c} 0 & 4 \\ \hline 0 & 0 \end{array}$	4	0	0 0	0	0	0	$\frac{0}{0}$	0	0	0 ($\frac{1}{2}$	4	4	0	$\frac{0}{0}$	0	0	0 0	0	0 0	0	10	0	$\frac{0}{0}$	0
$\frac{1 \cdot \chi_1 + 0 \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 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_5 + 0 \cdot \chi_5 $	4 0	4	4	4 0	4	0	4 4	4	4	4	0 0	0	0	0 0	0	0	0	0 0	0	0	0 ($\frac{1}{2}$	0	0	4	$\frac{0}{0}$	0	0	0 0	0	0 0	0	+ 0 $+$	0	$\frac{0}{0}$) 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 0	0	4	0 0	4	2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	0	4	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	0	0	0 4	0	0	0	0 0	0	0	0 ($\frac{1}{2}$	0	0	0	$\frac{0}{2}$	0	0	0 0	0	0 0	0	0	0	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \\ \end{array}$	0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 0	0	4	0 0	0	2	$\begin{array}{c c} 0 & 2 \\ \hline 0 & 2 \end{array}$	0	4	-		0	0	0 0	0			$\begin{array}{c c} 0 & 2 \\ \hline 0 & 2 \end{array}$	0	0	0 (0	0	0	$\frac{2}{0}$ $\frac{0}{2}$	0	0	0 0	0	0 0	0			$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$,
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 0	4	0	0 4	0	2	$\begin{array}{c c} 0 & 2 \\ \hline 0 & 0 \end{array}$	0	0			0	2	0 0	9				0		-		0				2			0			0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	_
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$									0	Ü		_				_	-	-	0	-	0 ,	0			Ü	0 0	0	2	0 0		0 0		0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$		_							0			_			_				0				0				_			0		0			$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 1 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$		_					_	_											0						_			0				0	0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$		_						_	0			_			_				0			_						0					0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	_
$\frac{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$		_						_				_			_													0							$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$													0						0									0							$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$							$\begin{array}{c c} 2 & 2 \\ \hline 2 & 0 \end{array}$		$\frac{}{}$				0		_		2		2									0					0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$			$\frac{2}{2}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0		$\frac{2}{2}$ $\frac{3}{2}$	$\frac{2}{0}$		0			0			0		$\frac{2}{2}$ 0					2	2	0	$\frac{0}{0}$			$\begin{array}{c c} 0 & 2 \\ \hline 0 & 0 \end{array}$		0 0	0			$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$		_	$\frac{2}{2}$	$\begin{array}{c c} 2 & 3 \\ \hline 2 & 2 \end{array}$	2	$\frac{3}{2}$	$\frac{2}{2}$ $\frac{2}{2}$	2	$\frac{3}{2}$	2	$\frac{3}{2}$ $\frac{2}{0}$	0	$\frac{3}{2}$	$\begin{array}{c c} 0 & 3 \\ \hline 0 & 2 \end{array}$	0	0		$\begin{array}{c c} - & 3 \\ \hline 0 & 2 \end{array}$	0	2	0 ($\frac{3}{0}$	-	2	2	$\frac{3}{2}$ $\frac{3}{2}$	0		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	0	$+\frac{2}{0}$		$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	$\frac{-}{2}$ $\frac{-}{2}$	$\frac{2}{2}$	$\frac{2}{2}$	$\frac{1}{2}$ $\frac{2}{0}$	0	2	$\frac{1}{2}$ $\frac{2}{0}$	$\frac{2}{0}$	$\frac{1}{0}$	0	$\frac{2}{2}$	2	2	$\frac{1}{0}$ $\frac{2}{0}$	$\frac{3}{2}$	2	_	$\frac{1}{0}$ $\frac{2}{2}$	0	2	2	$\frac{1}{0}$	2	0	0	$\frac{-}{0}$ $\frac{2}{0}$	2			0	0 0	0	$+\frac{0}{0}$		$\begin{array}{c c} 0 & 0 \\ \hline 2 & 0 \end{array}$	
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	$\frac{-}{2}$ $\frac{2}{0}$	$\frac{2}{2}$	$\frac{2}{2}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	2	$\begin{array}{c c} 2 & 0 \\ \hline 2 & 0 \end{array}$	0	0	0	$\frac{1}{2}$ $\frac{2}{0}$	0	2	$\frac{0}{2}$ 0	0	0		$\frac{1}{2}$ $\frac{2}{2}$	$\frac{3}{2}$	2	0 '	$\frac{3}{2}$	0	0	0	$\frac{1}{0}$	0	_			0 0	0	0		$\begin{array}{c c} 2 & 0 \\ \hline 0 & 2 \end{array}$	
$\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$			-	1 1	-	4	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-	1	1	$\begin{array}{c c} \hline 1 & 1 \\ \hline \end{array}$	1	1	$\begin{array}{c c} \hline 1 & 1 \\ \hline \end{array}$	1	1	1	$\frac{}{1}$ $\frac{}{1}$	1	1	1	$\frac{1}{1}$ $\frac{3}{1}$	1	1	1	$\frac{1}{1}$ $\frac{3}{1}$	1	1	$\begin{array}{c c} \hline 1 & 1 \\ \hline \end{array}$	1	$\begin{array}{c c} \hline 1 & 1 \\ \hline \end{array}$		1			. 1
7.2 - 7.2 - 7.0 - 7.4 - 7.0 - 7.0 - 7.1 - 7.0 - 7.0 - 7.10 - 7.11 - 7.12 - 7.13 - 7.14														1 -										-				-								

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

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P_2 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27)]) \cong C2
P_3 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2
```

 $P_{13} = Group([(1,14)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,22)(24,25)(28,29), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2$ $P_{14} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C2 \times C2$ $P_{15} = Group([(1,13,5,12)(2,7,9,18)(4,11,14,23)(6,13,16,25)(8,17,20,27)(10,19,22,29)(15,24,26,31)(21,28,30,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C4$ $P_{16} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C4$ $P_{17} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C4$ $P_{18} = Group([(1,11,5,23)(2,17,9,27)(3,14,12,4)(6,24,16,31)(7,20,18,8)(10,28,22,32)(13,26,25,15)(19,30,29,21), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,3$

 $P_{19} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C2 \times C2 \\ P_{20} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2 \times C2 \\ P_{21} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{22} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C2 \times C2 \\ P_{23} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{24} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{24} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{25} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{25} = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(12,23)(12,23)(12,23)(12,23)(12,23$

 $P_{26} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23)] \\ \cong C_2 \times C_2 \times$

 $P_{25} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(13,27)(5,30,16,20)(7,31,19,23)(9,26,22,14)(11,18,24,29)(12,28,25,17)]) \\ \cong C4 \times C2$

 $P_{38} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32),\\ (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(25,31)(29,32),\\ (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(25,31)(29,32),\\ (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(25,31)(29,32),\\ (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(19,22)(11,24)(19,22)(11,24)(12,25)(14,26)(17,28)(19,22)(11,24)(19,22)(19$

 $P_{31} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,29), (1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(23,30)(23,31)(27,32)]) \cong D8$ $P_{34} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(23,31)(27,32)]) \cong D8$ $P_{34} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(23,31)(27,32)]) \cong D8$ $P_{35} = Group([(1,4)(2,5)(3,14)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(14,26)(17,27)(19,29)(15,24,26,31)(19,22)(11,24)(12,25)(14,26)(17,29)(13,29)(14,24)(12,25)(14,26)(17,29)(13,29)(14,24)(12,25)(14,26)(17,27)(19,29)(15,24,26,31)(19,22)(11,24)(12,25)(14,26)(17,27)(19,29)(15,24,26,31)(17,20,29)(13,24)(14,26)(17,27)(19,29)(15,24,26,31)(17,20,29)(13,24)(14,26)(17,27)(19,29)(15,24,26,31)(17,20,29)(13,24)(14,26)(17,27)(19,29)(15,24,26,31)(17,20,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29)(13,24)(14,26)(17,27)(19,29$

 $P_{39} = Group([[1,14](2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,22)(24,25)(28,29), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(24,26)(17,28)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(14,24)(14,28)(14,2$

 $F_{44} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(1,25)(14,26)(17,25)(13,25)$

 $N_2 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(7,25)(9,16)(11,27)(12,9)(13,18)(14,20)(15,21)(7,23)(24,32)(25,29)(27,31), (1,10)(2,6)(3,29)(4,8)(5,22)(7,25)(9,16)(11,27)(12,9)(13,18)(14,20)(15,21)(17,23)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,3,5,12)(27,79)(19,19,22)(11,23)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,3,5,12)(27,79)(19,19,29)(13,19,25)(23,29)(25,29)(27,31), (1,10)(2,6)(3,29)(4,31)(28,33), (1,10)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(19,29)(11,24)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,26)(17,29)(12,23)(13,29)(14,29)(13,29)(14,$

$$\begin{split} N_{10} &= Group([1,32,6,27)(2,31,10,23)(3,30,13,20)(4,18,15,29)(5,28,16,17)(7,26,19,14)(8,12,21,25)(9,24,22,11), (1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(23,31)(29,32), (1,3,5,12)(2,7,9,18)(4,11)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(23,32)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(23,31)(29,32), (1,3,5,12)(2,7,9,18)(4,11)(2,13)(13,24)(16,26)(18,27)(19,28)(23,23)(23,24)(16,26)(18,27)(19,28)(23,23)(23,24)(16,26)(18,27)(19,28)(23,23)(23,24)(16,26)(18,27)(19,28)(18,29)(29,29)(13,24)(18,28)(19,29)(11,24)(12,25)(14,26)(11,28)(18,29)(29,29)(13,24)(18,28)(19,29)(11,24)(12,25)(14,26)(11,28)(18,29)(29,29)(13,24)(18,28)(19,29)(11,24)(12,25)(14,26)(11,28)(18,29)(29,29)(13,24)(18,28)(19,29)(11,24)(12,25)(14,26)(11,28)(13,28)(19,29)(11,24)(12,25)(14,26)(11,28)(18,29)(19,29)(11,24)(12,25)(14,26)(11,28)(13,29)(12,29)(13,24)(12,25)(14,26)(12,29)(13,24)(12,25)(14,26)(12,29)(13,24)(12,25)(14,26)(12,29)(13,24)(12,25)(14,26)(12,29)(13,24)(12,25)(14,26)(12,29)(13,24)(14,26)(13,28)(13,29)(14,26)(12,29)(13,24)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(13,29)(14,28)(14,28)(13,29)(14,28)(14,28)(13,29)(14,28)(14,2$$

 $N_{17} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(23,31)(27,32)]) \cong C2 \times D8$ $N_{18} = Group([(1,11,5,23)(2,17,9)(2,13)(2,17,9$

 $N_{22} = Group([[1,16](2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,3)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(23,28)(24,27),(1,5)(2,9)(3,12)(4,19)(6,24)(17,31)(19,25)(21,29)(21,30)(24,31)(28,32),(1,11,5,23)(2,17,9,27)(3,14,12,4)(6,24,16,31)(7,20,18,8)(10,28,22,32)(13,26,25,15)(19,30,24,21)(19,29)(21,30)(24,31)(28,32),(1,11,5,23)(2,17,9,27)(3,14,12,4)(6,24,16,31)(7,20,18,8)(10,28,22,32)(13,26,25,15)(19,30,24,21)(19,29)(21,30)(24,31)(28,32),(1,11,5,23)(2,17,9,27)(3,14,12,4)(6,24,16,31)(7,20,18,8)(10,28,22,32)(13,26,25,15)(19,30,24,21)(19,29)(21,30)(24,31)(28,22),(1,11,5,23)(2,17,9,27)(3,14,12,4)(6,24,16,31)(7,20,18,8)(10,29)(21,29)(11,24)(12,25)(14,26)(17,28)(18,29)(11,24)(12,25)(14,26)(17,28)(18,29)(12,28)(13,29$

 $N_{27} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(14,21)(5,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)(2,9)(21,30)(24,31)(28,32), (1,5)($

 $N_{36} = Group([1,2)(3,18)(4,21)(5,9)(4,21)(1,23)(13,29)(14,30)(16,22)(17,31)(19,25)(24,27)(1,18)(17,29)(13,29)(14,30)(16,22)(17,31)(19,25)(24,27)(19,29)($

 $N_{38} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,23)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(13,24)(16,25)(17,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,23)(12,27)(19,29)(12,29)$

 $N_{43} = Group((1, 2, 1, 6, 8)(2, 15, 10, 4)(3, 32, 13, 27)(1, 2, 3)(1, 2, 2)(1, 2, 3)(1, 2, 2)(1, 2, 3)(1, 2, 2)(1, 2, 3)(1, 3, 2)(1, 2, 3)(1, 2, 2)(1, 2, 3)(1, 3, 2)(1, 2, 3)(1, 2, 2)(1, 2, 3)(1, 3, 2)(1, 2, 3)(1, 2, 2)(1, 2, 3)(1, 3, 2)(1, 3, 2)(1, 2, 3)(1, 3, 2)(1, 3$

 $P_4 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2$ $P_5 = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C2$ $P_7 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong C2$

 $P_6 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong C2$ $P_7 = Group([(1,14)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29)]) \cong C2$

 $P_8 = Group([(1,18)(2,12)(3,9)(4,32)(5,7)(6,29)(8,31)(10,25)(11,30)(13,22)(14,28)(15,27)(16,19)(17,26)(20,24)(21,23)]) \cong C2 \\ P_9 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2 \times C2 \\ P_{10} = Group([(1,32,6,27)(2,31,10,23)(3,30,13,20)(4,18,15,29)(5,28,16,17)(7,26,19,14)(8,12,21,25)(9,24,22,11), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C4 \\ P_{11} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2 \times C2 \\ P_{12} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{13} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{14} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2 \times C2 \\ P_{15} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)] \cong C2 \times C2 \\ P_{15} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(17,28)(18,29)(20,30)(23,31)(27,32)] \cong C2 \times C2 \\ P_{15} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)$