The group G is isomorphic to the group labelled by [32, 27] in the Small Groups library. Ordinary character table of $G \cong (C2 \times C2 \times C2) : C2$:

 $|\chi_{14}|$ 2 0 0 2 -2 2 0 0 0 0 -2 -2 0 0

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

Trivial source character table of $G \cong (C2 \times C2 \times C2 \times C2) : C2$ at $p = 2$:																																	
Normalisers N_i	$V_1 \mid N_2 \mid N_3$	$V_3 \mid N_4 \mid N_5$	$N_6 N_7 I$	$N_8 \mid N_9 \mid N_9$	$N_{10} \mid N_{11} \mid N_{11}$	$I_{12} N_{13} N_{13} N_{14} N_{15} N$	$V_{14} N_{15} $	$N_{16} N_{17} $	$N_{18} \mid N_{19}$	$N_{20} N_{21}$	$N_{22} \mid N_{22} \mid N_{22}$	$I_{23} \mid N_{24} \mid \Lambda$	$N_{25} \mid N_{26} \mid N$	$N_{27} \mid N_{28} \mid 1$	$N_{29} \mid N_{30} \mid N_{30}$	$N_{31} N_{32} N_{33}$	$N_{33} N_{34} $	$N_{35} N_{36} $	$N_{37} N_{38} $	$N_{39} \mid N_{40} \mid$	$N_{41} \mid N_{42} \mid$	$N_{43} \mid N_{44} \mid 1$	$N_{45} \mid N_{46} \mid I$	$N_{47} N_{48} $	$N_{49} \mid N_{50} \mid$	$N_{51} \mid N_{52}$	$N_{53} N_{54}$	$N_{55} N_{56}$	$N_{57} N_5$	$N_{59} N_{60}$	N_{61} N_{61}	$_{62}$ N_{63} 1	$N_{64} N_{65}$
p-subgroups of G up to conjugacy in G	$P_1 \mid P_2 \mid P_3$	$P_3 \mid P_4 \mid P_5$	$\mid P_6 \mid P_7 \mid I$	$P_8 \mid P_9 \mid P_1$	$_{10} \mid P_{11} \mid P_{12}$	$P_{12} P_{13} F_{13}$	$P_{14} \mid P_{15} \mid$	$P_{16} \mid P_{17} \mid$	$P_{18} \mid P_{19}$	$ P_{20} P_{21}$	$\mid P_{22} \mid P$	$P_{23} \mid P_{24} \mid P_{34}$	$P_{25} P_{26} I$	$P_{27} \mid P_{28} \mid$	$P_{29} \mid P_{30} \mid P_{30}$	$P_{31} \mid P_{32} \mid 1$	$P_{33} P_{34} $	$P_{35} P_{36} $	$P_{37} \mid P_{38} \mid$	$P_{39} \mid P_{40} \mid$	$P_{41} \mid P_{42} \mid$	$P_{43} \mid P_{44} \mid$	$P_{45} \mid P_{46} \mid 1$	$P_{47} \mid P_{48} \mid$	$P_{49} \mid P_{50} \mid$	$P_{51} \mid P_{52}$	$ P_{53} P_{54}$	$P_{55} P_{56}$	$ P_{57} P_{58}$	$_{.8} \mid P_{59} \mid P_{60}$, $\mid P_{61} \mid P_{6}$	$_{62} \mid P_{63} \mid$	$P_{64} \mid P_{65} \mid$
Representatives $n_i \in N_i$	a 1 a 1 a	.a 1a 1a	1a 1a 1	$1a \mid 1a \mid 1$	$a \mid 1a \mid 1$	$a \mid 1a \mid 1$	1a $1a$	1a $1a$	1a 1a	1a 1a	1a 1	a $1a$ 1	1a 1a 1	1a 1a	1a 1a 1	1a $1a$	1a 1a	1a 1a	1a 1a	1a $1a$	1a 1a	1a 1a	1a 1a	1a $1a$	1a 1a	1a $1a$	1a 1a	1a 1a	1a 1a	1a $1a$ $1a$	1a 1	a $1a$	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 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14} $	$\frac{2}{0} = 0$	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 0	0 0	0 0	0 0	0 0	0 0	0 0	0 (0 0	0 0
$\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	6 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 0	0 0	0 0	0 0	0 0	0 0	0 0	4 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} + 0 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{11} + 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 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 2 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{15} + $	6 0 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 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 0 0	0 ($\frac{1}{0}$	0 0
	$\frac{0}{6}$ $\frac{0}{0}$ $\frac{0}{0}$	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	0 0	0 0	0 0	0 0	0 0	0 0	$\frac{1}{0}$	$\frac{7}{0}$	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 2 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	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	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	$\frac{1}{0}$	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	6 0 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	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0) 0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}$	$6 \mid 0 \mid 0$	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	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0) 0	0 0
$\left[1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 1 \cdot \chi_{9} + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}\right]$	$6 \mid 0 \mid 0$	$0 \mid 0 \mid 0$	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	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0) 0	0 0
$\left[1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 1 \cdot \chi_{9} + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 1 \cdot \chi_{14}\right]$	$6 \mid 0 \mid 0$	$0 \mid 0 \mid 0$	0 0	8 0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	$0 \mid 0 \mid$	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 6) 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} + 2 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 2 \cdot \chi_{14} = 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 2 \cdot \chi_{14} = 1 \cdot \chi_{15} + 1 \cdot $	6 0 0	0 0 0	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 0	0 0	0 0	0 0	0 0	0 () 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	6 0 0	0 0 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 0	0 0	0 0	0 0	0 0	0 (0 0	0 0
$\frac{1 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_3 + 1 \cdot v_4 + 1 \cdot v_5 + 0 \cdot v_6 + 0 \cdot v_7 + 1 \cdot v_9 + 2 \cdot v_0 + 0 \cdot v_{10} + 1 \cdot v_{11} + 1 \cdot v_{12} + 1 \cdot v_{13} + 1 \cdot v_{14}}{1 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_3 + 1 \cdot v_4 + 1 \cdot v_{12} + 1 \cdot v_{14}}$	6 0 0	0 0 0	0 0	0 0 0	8 1) 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 0	$\sqrt{\frac{1}{0}}$	0 (0 0	0 0
$\frac{1}{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_6 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{17} $	8 8 1	4 4 0	0 0	0 0 0	0	1 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 0 0	+ 0 ($\frac{1}{0}$	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} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_2 + 0 \cdot \chi_2 $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 9 0	0 0	0 0 0	0	1 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	0 0	0 0	$\frac{1}{0}$	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 2 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0 0	0 8 0	0 0	0 8 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 0	0 0	0 0	0 0	0 0) 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0 0	0 4 0	0 0	4 0 4	. 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	0 0	0 0	0 0	0 0	0 0) 0	0 0
$\left[1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 1 \cdot \chi_{9} + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}\right]$	8 0 4	4 4 8	0 0	0 0 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 0	0 0	0 0	0 0	0 0) 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0 0	0 0 8	0 0	0 0 0	8	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	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 8 0	0 0 8	0 0	0 8 0	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 0	0 0	0 ($\sqrt{0}$	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}$	8 0 0	0 0 0	0 0	0 8 4	. 4) 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 0	$\sqrt{\frac{1}{0} + \frac{1}{0}}$	0 (0 1 0 1	$0 \mid 0$
$1 \cdot v_1 + 0 \cdot v_2 + 1 \cdot v_4 + 1 \cdot v_7 + 0 \cdot v_7 + 1 \cdot v_7 + 1 \cdot v_7 + 0 \cdot v_7 + 1 $	8 8 0	$\frac{1}{0}$	0 0	0 0 4	1) 0	0 0	0 0	0 1	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	$\frac{1}{1}$	10 1	0 + 0 +	0 0
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	2 0 0	0 0 0	0 0	4 0 0	1 1) 0	0 0	0 0	0 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	0 0	0 0	0 0	0 0	0 0	0 0	0 0	1 0 0	+ 0 + 0	$\frac{1}{0}$	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$	0 0	0 4 0	0 0	4 0 0	4) 0	UU	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 + 0	7 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 2 \cdot \chi_{14}$	5 0 8	8 0 0	0 0	0 8 0	0 0) 0	UUU	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	UUU	0 0	0 0	0 0	0 0	0 0	0 0	100	J 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0 0	0 4 0	4 0	0 0 4	0) 0	0 0	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 0) 0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	$8 \mid 0 \mid \overline{0}$	$0 \mid 0 \mid 8$	4 0	$4 \mid 0 \mid \overline{0}$	0 0	0 0	$0 \mid 0 \mid$	$0 \mid \overline{0} \mid$	$0 \mid 0$	0 0	0	$4 \mid 0 $	0 0	0 0	0 0	0 0	$0 \mid 0 \mid$	$0 \mid \overline{0} \mid$	$0 \mid \overline{0} \mid$	$0 \mid \overline{0} \mid$	$0 \mid \overline{0} \mid$	0 0	0 0	$0 \mid 0 \mid$	$0 \mid \overline{0} \mid$	$0 \mid 0$	0 0	0 0	$0 \boxed{0}$	0 0	$0 \boxed{C}$) 0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 0 0	0 0 0	4 0	4 8 0	0 0	0	0 0	0 0	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 ($\frac{1}{0}$	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_0 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8 0	0 0 0	0 0	8 0 0	0 0	0	0 0	0 0	0 0	0 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
$\frac{1 \cdot v_1 + 1 \cdot v_2 + 0 \cdot v_3 + 0 \cdot v_4 + 1 \cdot v_5 + 1 \cdot v_6 + 0 \cdot v_7 + 0 \cdot v_9 + 0 \cdot v_9 + 0 \cdot v_{10} + 0 \cdot v_{11} + 2 \cdot v_{12} + 0 \cdot v_{12} + 0 \cdot v_{14}}{1 \cdot v_1 + 1 \cdot v_2 + 0 \cdot v_3 + 0 \cdot v_7 + 0 \cdot v_7 + 0 \cdot v_9 + 0 \cdot v_{10} + 0 \cdot v_{11} + 2 \cdot v_{12} + 0 \cdot v_{12} + 0 \cdot v_{14}}$	8 8 0	0 0 0	8 0	0 0 0	0	0	0 0	0 0	0 0	0 0	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
$\frac{1}{1} \frac{\chi_1 + 1}{\chi_2 + 0} \frac{\chi_3 + 0}{\chi_3 + 0} \frac{\chi_4 + 1}{\chi_5 + 1} \frac{\chi_5 + 1}{\chi_5 + 0} \frac{\chi_7 + 0}{\chi_7 + 0} \frac{\chi_8 + 0}{\chi_8 + 0} \frac{\chi_9 + 0}{\chi_9 + 0} \frac{\chi_{10} + 0}{\chi_{10} + 0} \frac{\chi_{11} + 2}{\chi_{12} + 0} \frac{\chi_{13} + 0}{\chi_{13} + 0} \frac{\chi_{14} + 0}{\chi_{14} + 0}$	8 0 0	0 0 8	0 0	0 0 0	0	$\frac{3}{0}$	0 0	0 0	0 0	0 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	$\frac{1}{0}$	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	3 0 0	0 0 0	0 0	0 0 0	0) 0	0 0	0 0	0 0	0 0	0 1	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8 0	0 0 0	0 0	0 0 0	0 1) 0	0 0	0 0	0 0	0 0	0 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0 0	0 0 8	0 4	0 0 0	0 0) 0	0 0	0 0	0 0	0 0	0 0	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
$\left[1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}\right]$	8 0 0	$0 \mid 0 \mid 0$	0 4	0 8 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8 0	$0 \mid 0 \mid 0$	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	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 0 4	4 0 0	0 0	4 0 4	. 0	0	0 0	0 0	0 0	0 0	0 (0 0	0 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 (J 0	0 0
$1 \cdot \gamma_1 + 1 \cdot \gamma_2 + 0 \cdot \gamma_3 + 1 \cdot \gamma_4 + 0 \cdot \gamma_5 + 0 \cdot \gamma_6 + 1 \cdot \gamma_7 + 0 \cdot \gamma_8 + 0 \cdot \gamma_9 + 0 \cdot \gamma_{10} + 1 \cdot \gamma_{11} + 0 \cdot \gamma_{12} + 0 \cdot \gamma_{13} + 1 \cdot \gamma_{14}$	8 0 0	0 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	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
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	8 0 4	4 0 0	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 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
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}$	$\frac{3}{8}$ $\frac{1}{0}$ $\frac{1}{4}$	1 0 0	1 0	0 0 1	1 1	$\frac{1}{2}$	0 0	0 0	0 0	0 0	0	0 0	0 0	0 0	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	1 0 0	0 0	$\frac{1}{0}$	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	0 4	0 0	4 0	0 0 0	4) 0	0 0	0 0	0 0	0 0	0 1	0 0	0 0	0 0	0 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0 0	0 4 0	4 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 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
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	8 0 0	0 0 8	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	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
$ \begin{array}{c} 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} + 2 \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} + 1 \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_{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} + 1 \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} + 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} + 1 \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} + 1 \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} + 1 \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} + 1 \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} + 1 \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} + 1 \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} + 1 \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} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} +$	8 0 4	$4 \mid 0 \mid 0$		4 0 0	$\mid 4 \mid 0$	0 0	0 0	0 0	$0 \mid 0$	0 0	0 0	0 0	0 0	0 0	0 0	0 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	$\begin{vmatrix} 0 & 0 \end{vmatrix}$) 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4 2	$2 \mid 2 \mid 0$	0 0	4 0 2	2 2	2 0	2 0	0 0	0 2	2 0	0 0	0 0	4 0	0 0	0 0	0 2	0 0	0 0	0 2	2 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1 0 0	0 0 4	0 2	0 0 0	4	0	0 0	4 0	0 0	0 0	0 (0 0	0 0	2 0	2 0	0 0	0 0	0 0	0 0	0 2	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
$\frac{1 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_4 + 1 \cdot v_5 + 0 \cdot v_6 + 0 \cdot v_7 + 0 \cdot v_9 + 1 \cdot v_0 + 0 \cdot v_{10} + 0 \cdot v_{11} + 0 \cdot v_{12} + 0 \cdot v_{12} + 0 \cdot v_{14}}{1 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_4 + 1 \cdot v_5 + 0 \cdot v_7 + 0 \cdot v_7 + 0 \cdot v_9 + 1 \cdot v_0 + 0 \cdot v_{10} + 0 \cdot v_{11} + 0 \cdot v_{12} + 0 \cdot v_{13} + 0 \cdot v_{14}}$	$\frac{1}{0}$	2 2 4	2 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4) 0	0 2	4 0	0 0	2 0	0 6	2 0	0 0	0 0	0 0	0 0	0 0	2 2	0 2	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	$\sqrt{\frac{1}{0}}$	0 (0 0	0 0
$\frac{1}{1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 1 \cdot x_5 + 0 \cdot x_0 + 0 \cdot x_7 + 0 \cdot x_3 + 1 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12} + 0 \cdot x_{13} + 0 \cdot x_{14}}{1 \cdot x_4 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 1 \cdot x_5 + 0 \cdot x_{14} + 0 $	1 0 0	0 4 0	2 0	$\frac{2}{2}$ $\frac{3}{4}$ $\frac{3}{2}$	9) 1	2 0	0 0	2 0	2 0	2	0 2	0 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$	0 0	$\frac{1}{0}$	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}$	1 0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$) 4	0 0	0 0	0 0	0 4	0	0 2	0 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	$\frac{7}{0}$	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}{1 + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}$	1 0 4	4 0 0	0 2	0 4 0	0) 0	0 0	0 0	0 0	0 4	0 0	0 0	0 0	0 0	0 2	0 0	2 0	0 0	0 0	0 0	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0) 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1 0 0	0 4 0	0 2	0 4 0	0 0) 4	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	0 0	2 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0) 0	0 0
$\frac{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14}}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{vmatrix} 2 & 2 \end{vmatrix}$	0 0	0 0	0 0	$\begin{array}{c c} 2 & 0 \end{array}$	0 4	0 0	0 2	0 0	0 0	0 0	0 2	0 2	2 0	0 2	0 0	0 0	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0) 0	0 0
$1 + 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} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + $	1 4 U	0 0 0	0 2	4 0 0	, , , ,) 0	\cup	0 0	0 0	0 0	0 1	0 0	4 0	0 2	0 0	2 0	$\mathbf{U} + \mathbf{U} +$	0 0	$\mathbf{U} + \mathbf{U} +$	$\mathbf{U} + \mathbf{U} +$	0 0	\cup \cup \cup	0 2	$\mathbf{U} + \mathbf{U} +$	0 0	0 0	U U	0 0	0 0	, , , , , ,	0 0	0 + 0 +	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4 0	0 0 0	4 2	0 0 0	0 0	0	0 0	0 0	0 0	0 0	0 (0 0	0 4	0 2	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 (J 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1 0 2	2 2 4	2 0	2 0 4	0	0	2 2	0 0	0 0	0 0	2	2 0	0 0	0 0	0 0	0 2	0 2	0 0	4 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 (0 0	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	$\frac{1}{4}$ $\frac{1}{4}$ $\frac{2}{2}$	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{0}$	4 0	0 0 2	2	2 0	0 0	0 0	0 2	0 0	2	0 0	0 4	0 0	0 0	0 0	0 2	2 2	0 0	0 0	0 0	0 0	0 0	0 0	2 0	0 0	0 0	0 0	0 0	1 0 0	0 (0 0	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	1 1 0	$\begin{bmatrix} 2 & 2 & 0 \\ 0 & 0 & 4 \end{bmatrix}$	0 0	0 0 2	0	$\frac{2}{0}$	0 0	0 0	0 2	0 0	$\frac{1}{0}$	0 0	0 0	0 0	0 0	0 0	0 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 4	0 0	0 0	0 0	0 0	1 0 0	$\frac{1}{0}$	$\frac{7}{0}$	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 4 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0	0 4 0	0) 0	0 0	0 4	0 0	0 0	0 1	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 4	4 0	0 0	0 0	0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4 0	0 0 4	0 0	0 4 0	0 1) 0	0 0	0 4	0 0	0 0	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										
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4 0	$0 \mid 0 \mid 4$	0 0	0 4 0	0 0) 0	0 0	0 4	0 0	0 0	0 0	0 0	0 0	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 4	0 0	0 0	0 0	0 0	0 0) 0	0 0
$ \chi_1 + \chi_2 + \chi_3 + \chi_4 + \chi_5 + \chi$	4 4 0	0 0 4	0 4	0 4 0	0 0	0 0	0 0	0 4	$0 \mid 0$						4 4									0 0	0 0	0 0	4 0	0 0	0 0	0 0	$\begin{vmatrix} 0 & 0 \end{vmatrix}$) 0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4 0	0 0 4	4 0	4 4 0	0	0 0	0 0	0 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	0 0	0 0	0 0	0 0	0 0	0 0	0 4	0 0	0 0	0 0	0 () 0	0 0
$\frac{1}{2}$ $\frac{1}$	1 1 0	0 0 4	0 0	0 4 4	4) 0	0 0	1 1	1 1	0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 0	0 0	0 0	0 (0 0	0 0
$\frac{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 1 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}{1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}}$	4 4 4	4 4 4	0 0	0 4 0	0	1 4	0 4	0 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 4	0 0	$\frac{1}{10}$	0 0	0 + 0 +	0 0
$\frac{1}{1 \cdot x_1 + 0 \cdot x_2 + 1 \cdot x_3 + 0 \cdot x_4 + 1 \cdot x_5 + 0 \cdot x_5 +$	1 0 0	0 0 4	0 2	$\frac{\circ}{0}$ $\frac{1}{0}$ $\frac{0}{4}$	0) 0	0 0	0 0	0 0	0 0	0	0 0	0 0	2 0	2 0	$\frac{0}{0}$	0 0	0 0	4 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	9 0	$\begin{pmatrix} & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ \end{pmatrix}$	+ 0 + 0	0 + 0 +	0 0
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1 0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 2	0 0 4) 0	0 0	0 0	0 0	0 0	0 1	0 0	0 0	0 0	0 0	0 0	0 0	0 0	9 9	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	4 0 0	+ 0 + 0	, 0	0 0
$1 \cdot \chi_1 + \upsilon \cdot \chi_2 + \upsilon \cdot \chi_3 + \upsilon \cdot \chi_4 + 1 \cdot \chi_5 + \upsilon \cdot \chi_6 + \upsilon \cdot \chi_7 + \upsilon \cdot \chi_8 + \upsilon \cdot \chi_9 + \upsilon \cdot \chi_{10} + \upsilon \cdot \chi_{11} + \upsilon \cdot \chi_{12} + \upsilon \cdot \chi_{13} + \upsilon \cdot \chi_{14}$	2 2 2	$\frac{2}{2}$ $\frac{2}{2}$	2 0	$\frac{z}{z}$ $\frac{z}{z}$ $\frac{z}{z}$	2 2	2 2	2 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 2	$\begin{vmatrix} 2 & 2 \\ 2 & 3 \end{vmatrix}$	2 2	2 2	2 2	0 0	0 0	$\frac{0}{2}$	0 2	2 2	2 2	2 0	2 2	0 0	2 0	0 2	2 0	U U	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{vmatrix} 2 & 2 \\ 0 & 1 \end{vmatrix}$	$\frac{1}{2}$	0 0	1000	$\frac{J}{0}$	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$0 \mid 0 \mid 2$		2 2 0	0	0	0 0	0 2	0 0	0 0	0	$2 \mid 2 \mid$	2 2	0 2	2 2	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	2 0	0 2	0 0		$\mid 0 \mid 0$	0 0	0 2 0	0 0	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$2 \mid 2 \mid 2$	$2 \mid 2 \mid 2$	0 2	$0 \boxed{2} \boxed{0}$	0	$2 \boxed{2}$	0 2	0 2	0	0 2	0	0 0	0 0	0 0	$2 \overline{2}$	2 0	2 0	0 0	0 0	0 0	0 0	$2 \boxed{2}$	0 0	0 0	0 0	0 2	2 0	0 2	0 0	0 2	0 0	0 0	0 0
$\begin{vmatrix} 1 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_3 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_6 + 0 \cdot v_7 + 1 \cdot v_9 + 0 \cdot v_1 + 0 \cdot v_{10} + 0 \cdot v_{11} + 0 \cdot v_{12} + 0 \cdot v_{13} + 0 \cdot v_{14} \end{vmatrix}$	2 + 2 + 0	0 + 0 + 2	0 2	0 + 2 + 2	$2 \mid 2 \mid 0$) 0	0 0	$2 \mid 2 \mid$	$2 \mid 2$	$\mid 0 \mid 0$	0 0	0 0	0 0	$2 \mid 0 \mid$	$2 \mid 2 \mid$	$2 \mid 0 \mid$	0 0	0 0	$2 \mid 0 \mid$	$0 \mid 2 \mid$	0 0	0 0	0 0	0 0	0 0	$\begin{array}{c c} 2 & 0 \end{array}$	$\begin{vmatrix} 2 & 0 \end{vmatrix}$	$2 \mid 0$	$\begin{vmatrix} 2 & 0 \end{vmatrix}$	0 0	$2 \mid 0$	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	2 2 0	$0 \mid 0 \mid 2$	0 0	0 2 2	2 2	0	0 0	2 2	2 2	0 0	0	0 0	0 0	0 2	0 0	0 0	2 0	0 0	2 0	0 0	0 0	0 0	0 0	0 0	0 2	0 2	0 0	2 0	0 0		0 5	2 0	0 0
$\frac{1 \cdot v_1 + 0 \cdot v_2 + 1 \cdot v_2 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_6 + 0 \cdot v_7 + 0 \cdot v_9 + 0 \cdot v_9 + 0 \cdot v_{10} + 0 \cdot v_{11} + 0 \cdot v_{12} + 0 \cdot v_{13} + 0 \cdot v_{14}}{1 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_7 + 0 \cdot v_9 + 0 \cdot v_{10} + 0 \cdot v_{11} + 0 \cdot v_{12} + 0 \cdot v_{13} + 0 \cdot v_{14}}$	2 2 2	$\frac{1}{2} + \frac{1}{2} + \frac{2}{2}$	0 0	$\frac{-}{0}$ $\frac{-}{2}$ $\frac{-}{0}$	0	$\frac{1}{2}$	0 2	0 2	0 0	0 2	0	0 0	0 0	2 2	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	2 0	0 0	$\frac{1}{0}$	0 0	$\frac{1}{10}$	+ 0 + 6	0 + 2 +	0 0
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$) 2 2	$\frac{1}{0}$ $\frac{1}{0}$ $\frac{1}{2}$	2 0	$\frac{\circ}{2}$ $\frac{2}{2}$ $\frac{\circ}{2}$		$\frac{1}{0}$	0 0	0 2	0 0	0 2	0	9 9	2 2	2 2	0 0	$\frac{0}{0}$	2 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 2	9 9	0 0	0 2	0 0	$\begin{pmatrix} & 0 & 0 \\ & & 0 \end{pmatrix}$	$+\frac{3}{0}$	0 + 2 +	2 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	4 4 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 U	4 4 6	' 0 ') 0	1 1	0 2	1 1	1 1	0	\(\frac{2}{1}\)	2 2	2 U	1 1	<u>U</u> U	2 0	0 0	0 0	0 0	0 0	0 0	0 0	1 1	0 0	\(\(\frac{2}{1}\)	1 2	1 1	0 0	1 1 1	+ 0 + 0	1 1	<u>2</u> U
$ \frac{\chi_1 + \chi_2 + \chi_3 + \chi_4 + \chi_5 + \chi_5 + \chi_6 + \chi_7 + \chi_6 + \chi_7 + \chi_8 + \chi_{10} + \chi_{10} + \chi_{11} + \chi_{12} + \chi_{13} + \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 1	1 1 1	1 1 1	1 1 1	1 1	L I	1 1	1 1	1 1	1 1	1	1 1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 1	1 I	1 1 1	1 1	<u> </u>	<u> </u>	1 1

 $P_1 - Group([()]) \simeq 1$

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\begin{array}{l} P_1 = Group([(1)]) \cong 1 \\ P_2 = 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_3 = 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_4 = Group([(1,4)(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_5 = 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_6 = Group([(1,23)(2,27)(3,14)(4,12)(5,11)(6,31)(7,20)(8,18)(9,17)(10,32)(13,26)(15,25)(16,24)(19,30)(21,29)(22,28)]) \cong C2 \\ P_7 = 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_8 = Group([(1,1)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(18,20)(19,21)(22,32)(25,26)(29,30)]) \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)]) \cong C2 \\ P_{10} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32)]) \cong C2 \\ P_{11} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32)]) \cong 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), (1,16)(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_{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), (1,16)(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_{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), (1,16)(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_{12} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,1
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 $P_{30} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(12,23)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(23,31)(27,32)]) \cong C2 \times C2$ $P_{31} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,30)(23,31)(27,32)]) \cong C2 \times C2$ $P_{32} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,15)(2,29)(3,16)(4,31)(5,13)(6,12)(7,22)(8,32)(9,19)(10,18)(11,26)(14,24)(15,23)(17,30)(20,28)(21,27)]) \cong C2 \times C2$ $P_{33} = Group([(1,2)(6,8)(2,15,10,4)(3,32,13,27)(5,30,16,20)(7,31,19,23)(9,26,22,14)(11,18,24,29)(12,28,25,17), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,26)(14,24)(15,23)(17,20)(12,28)(22,30)(23,31)(27,32)]) \cong C4$ $P_{34} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,13)(2,19)(3,6)(4,24)(5,25)(7,10)(8,28)(9,29)(11,15)(12,16)(14,31)(17,21)(18,22)(20,32)(23,26)(27,30)]) \cong C2 \times C2$ $P_{35} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,12)(2,18)(3,5)(4,23)(6,25)(7,9)(8,27)(10,29)(11,14)(13,16)(15,31)(17,20)(19,22)(21,32)(24,26)(28,30)]) \cong C2 \times C2$ $P_{36} = Group([(1,4)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32)]) \cong C2 \times C2$ $P_{37} = Group([(1,13)(2,19)(3,6)(4,24)(5,25)(7,10)(8,28)(9,29)(11,15)(12,16)(14,31)(12,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2 \times C2$ $P_{37} = Group([(1,13)(2,19)(3,6)(4,24)(5,25)(7,10)(8,28)(9,29)(11,15)(12,16)(14,31)(17,21)(18,22)(20,32)(23,26)(27,30), (1,$

$$\begin{split} &P_{22} = Group([(1, 14)(2, 20)(3, 23)(4, 5)(6, 26)(7, 27)(8, 9)(10, 30)(11, 12)(3, 31)(15, 14)(6, 15)(7, 17)(9, 20)(10, 21)(12, 22)(12, 24)(22, 25)(4, 26)(13, 27)(23, 31)(27, 32)) \cong BS \\ &P_{44} = Group([(1, 14)(2, 20)(3, 23)(4, 5)(6, 26)(7, 27)(8, 9)(10, 30)(11, 12)(13, 31)(15, 16)(17, 18)(8, 22)(22, 22)(24, 25)(28, 29), (1, 2)(3, 18)(4, 21)(5, 9)(6, 10)(7, 12)(8, 15)(13, 29)(14, 30)(16, 22)(17, 31)(19, 25)(22, 28)(24, 27), (1, 6)(2, 10)(3, 13)(4, 15)(5, 16)(7, 19)(8, 21)(9, 22)(11, 24)(12, 25)(14, 26)(17, 28)(18, 29)(20, 30)(23, 31)(27, 32)) \cong BS \\ &P_{45} = Group([(1, 14)(2, 8)(3, 11)(5, 14)(6, 15)(7, 17)(9, 20)(10, 21)(12, 23)(13, 24)(16, 26)(18, 27)(19, 28)(23, 30)(23, 31)(27, 32))) \cong DS \\ &P_{45} = Group([(1, 14)(2, 8)(3, 11)(5, 14)(6, 15)(7, 17)(9, 20)(10, 21)(12, 23)(13, 24)(16, 26)(18, 27)(19, 28)(23, 30)(23, 31)(27, 32))) \cong DS \\ &P_{47} = Group([(1, 31)(2, 14)(3, 14)(6, 15)(7, 17)(9, 20)(14, 24)(14$$

 $P_{57} = Group([(1,13)(2,19)(3,6)(4,24)(5,25)(7,10)(8,28)(9,29)(11,15)(12,16)(14,31)(17,21)(18,22)(20,32)(23,26)(27,30), \\ (1,2)(3,18)(4,21)(5,9)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong D8$

 $P_{40} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,2)(3,18)(4,21)(5,9)(4,10)(6,12)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), \\ (1,3)(4,21)(5,9)(4,10)(6,12)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,2)(3,18)(4,21)(5,9)(4,10)(6,12)(17,31)(19,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,13)(13,29)(14,30)(16,22)(17,31)(19,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,2)(3,18)(4,21)(5,9)(4,12)(4,12)(6,12)(17,27)(19,29)(21,28)(22,29)(26,31)(30,32), \\ (1,2)(3,18)(4,21)(5,9)(4,12)(12,28)(22,29)(26,31)(30,32), \\ (1,2)(3,18)(4,21)(5,9)(4,12)(12,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,9)(4,12)(12,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,9)(4,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,9)(4,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,9)(4,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,9)(4,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,9)(4,28)(22,29)(26,31)(30,28), \\ (1,2)(3,18)(4,21)(5,18)(4,28)(22,29)(26,31)(30,28)(26,28)(26,28), \\ (1,2)(3,18)(4,21)(5,28)(26,28$

 $P_{89} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(13,29)(21,30)(23,31)(27,32),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(19,29)(21,30)(23,31)(27,32),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(19,29)(21,30)(23,31)(27,32),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,12)(2,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(19,29)(11,24)(12,25)(14,26)(17,28)(19,29)(11,24)(19,25)$

 $P_{59} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(17,31)(19,25)(20,26)(23,28)(24,27)] \\ \cong C_2 \times D_8 + C_2 \times D_8 + C_3 \times D_8 + C_4 \times D_8$

 $N_2 = Group([(1,2)(3,18)(4,21)(5,9)(2,29)(24,27),(1,3)(2,2)(15,24)(15,$ $N_3 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(27,30)(25,31)(29,32)(13,24)(16,25)(27,30)(13,24)(16,25)(27,30)(13,24)(16,25)(27,30)(27$ $N_5 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,24)(16,25)(22,29)(26,31)(30,32), (1,5)(2,9)(21,30)(24,31)(25,32)(14,26)(17,27)(19,28)(22,29)(26,31)(30,32), (1,5)(2,9)(21,30)(24,31)(25,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,24)(16,25)(21,24)(16,25)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)$ $N_6 = Group([(1,23)(2,27)(3,14)(4,12)(5,11)(6,31)(7,20)(8,18)(9,17)(10,32)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(12,29)(12$ $N_8 = Group([(1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(17,21)(18,22)(20,32)(25,26)(29,30), (1,13)(2,7)(4,11)(5,12)(6,13)(17,21)(18,22)(20,32)(25,26)(29,30), (1,25)(22,29)(26,31)(30,32), (1,25)(22,29)(26,31)(26,29)(26,31)(26,29)$ $N_9 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,4)(2,8)(21,29)(24,31)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32), (1,5)(29,32)(21,29)(21,30)(21,32)(21,29)(21,30)(21,32)(21,29)(21,30)(21,32)(21,29)(21,30)(21,32)(21,29)(21,30)(21,32)(21,29)(21,30)(21,32)$ $N_{11} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(12,24)(13,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(12,24)(13,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(26,31)(20,27)(21,28)(22,29)(22,29)(23$ $N_{14} = Group([(1,13)(2,19)(3,6)(4,24)(5,25)(7,10)(8,28)(9,29)(11,15)(12,20)(23,26)(27,30), (1,14)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), (1,3)(2,7)(4,11)(5,12)(6,13)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,21)(21,22)(24,25)($ $N_{15} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,4)(2,8)(3,11)(28,32), (1,4)(28$ $N_{16} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,3)(2,7)(4,11)(5,12)(6,13)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,3)(2,7)(4,11)(5,12)(6,13)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,3)(24,21)(28,32), (1,3)(28,32), ($ $N_{17} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,2)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,2)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,2)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,2)(3,12)(4,12)(13,24)(16,25)(12,24)(16,25)(12,24)(16,25)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,2)(3,12)(4,12)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,2)(3,12)(4,12)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(17,27)(19,29)(11,24)(12,25)(13,24)(16,25)(17,27)(19,29)(11,24)(12,25)(13,24)(16,25)(17,27)(19,29)(11,24)(12,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(13,24)(16,25)(1$ $N_{19} = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(8,27)(19,29)(21,30)(24,31)(29,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(16,2$ $N_{20} = Group([(1,12)(2,18)(3,5)(4,23)(6,25)(7,9)(8,27)(10,29)(11,14)(13,16)(15,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(24,25)(28,29), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(24,25)(28,29), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(24,25)(28,29), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(17,18)(13,29)(13,29)(14,26)(17,28)(12,29)(14,26)(17,28)(17,29)($ $N_{23} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(18,20)(19,21)(22,32)(25,26)(29,30), \\ (1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(18,20)(19,21)(12,32)(25,26)(29,30), \\ (1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(18,20)(19,21)(12,23)(13,25)(16,24)(17,28)(18,29)(20,30)(23,31)(27,32)] \\ = C_2 \times C_2$ $N_{27} = Group([(1,18,5,7)(2,12,9,3)(4,32,14,28)(6,29,16,19)(8,31,20,24)(10,25,22,13)(11,21,23,30)(15,27,26,17),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32)]) \\ \cong C2 \times D8 + C2$

 $N_{28} = Group([(1,32,16,17)(2,31,22,11)(3,21,25,20)(4,18,26,19)(5,28,6,27)(7,15,29,14)(8,12,30,13)(9,24,10,23),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \\ \cong C2 \times D8 + C_{10} + C_{10$ $N_{29} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32)]) \\ \cong C2 \times D8$ $N_{30} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(23,31)(27,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(23,31)(27,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(23,31)(27,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(23,31)(27,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,30)(23,31)(27,32), (1,2)(3,18)(4,21)(5,9)(14,30)(16,22)(17,31)(19,25)(16,20)(17,27)(19,29)(11,24)(12,25)(14,20)(17,27)(19,29)(11,24)(12,25)(14,20)(17,27)(19,29)(11,24)(12,25)(14,20)(17,27)(19,29)(11,24)(12,25)(14,20)(17,27)(19,29)(11,24)(12,25)(14,20)(17,27)(19,29)(11,24)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(12,25)(14,20)(14,$ $N_{31} = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,13)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(12,32)(13,25)(15,26)(17,27)(19,29)(11,31)(12,32)(13,25)(15,26)(17,27)(19,29)(11,31)(12,32)(13,25)(15,26)(17,27)(19,29)(11,31)(12,32)(13,25)(15,26)(17,27)(19,29)(11,31)(12,32)(13,25)$ $N_{33} = Group([(1,21,6,8)(2,15,10,4)(3,32,13,27)(5,30,16,20)(7,31,19,23)(9,26,22,14)(11,18,24,29)(12,28,25,17),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \\ \cong C2 \times D8$ $N_{35} = Group([(1,12)(2,18)(3,5)(4,23)(6,25)(7,9)(8,27)(10,29)(11,14)(13,16)(15,31)(17,20)(19,22)(21,32)(24,26)(28,30), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,12)(11,24)(12,25)(14,26)(17,28)(12,29)(21,32)(24,26)(28,30), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,22), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,22), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(12$ $N_{36} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,26)(17,28)(22,29)(26,31)(30,32), (1,14)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), (1,4)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), (1,4)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), (1,4)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), (1,4)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(11,24)(12,25)(14,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(17,$ $N_{38} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(22,29)(26,31)(30,32), (1,4)(2,8)(21,29)(24,31)(25,24)(16,25)(12,29)(24,31)(25,24)(16,25)(12,29)(24,31)(25,24)(16,25)(1$ $N_{39} = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(8,27)(19,29)(21,30)(24,31)(29,32), \\ (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(17,27)(19,29)(21,30)(24,31)(29,32), \\ (1,5)(2,9)(3,12)(4,14)(6,15)(17,29)(13,24)(16,25)(17,27)(19,29)(21,30)(24,31)(2$ $N_{40} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,12)(2,18)(3,5)(4,23)(6,25)(7,9)(8,27)(10,29)(11,14)(13,16)(15,31)(17,20)(19,22)(21,32)(24,26)(28,30), (1,3)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(24,26)(28,30), (1,3)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(24,26)(28,30), (1,3)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(24,26)(28,30), (1,3)(4,15)(5,16)(17,29)(11,24)(12,25)(14,26)(17,28)(12,29)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(12$ $N_{41} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(11,24)(12,25)(12,26)($ $N_{42} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(15,24)(16,25)(24,27)(24,25$ $N_{43} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,24)(16,26)(17,27)(19,28)(22,30)(25,31)(29,32)(17,31)(19,25)(20,26)(23,28)(24,27), (1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \\ \cong C2 \times D8$

 $N_{17} = Crosp((1, 2)(3, 18)(4, 2)(1, 9)(6, 10)(7, 12)(8, 12)(1, 2)(1,$

 $N_{66}^{\prime} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(11,24)(12,23)(13,24)(16,25)(20,27)(21,23)(23,24)(16,25)(21,23)(23,31)(23$

 $N_{64} = Group([(1,21,6,8)(2,15,10,4)(3,32,13,27)(5,30,16,20)(7,31,19,23)(9,26,22,14)(11,18,24,29)(12,23)(25,26)(29,30),(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32),(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27)]) \\ = (C_2 \times C_2 \times$