	1a	4a	4b	2a	2b	2c	4c	4d	4e	4f	4g	2d	2e	2f	4h	4i	4j	4k	2g	4l	
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
χ_2	1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	1	-1	-1	1	1	
<i>χ</i> ₃	1	-1	1	1	1	1	-1	-1	-1	1	1	1	1	1	-1	-1	-1	1	1	-1	
χ_4	1	1	-1	1	1	1	-1	1	1	-1	-1	1	1	1	-1	-1	1	-1	1	-1	
χ_5	1	-1	-E(4)	1	1	-1	E(4)	-1	1	-E(4)	E(4)	1	-1	-1	E(4)	-E(4)	1	E(4)	-1	-E(4)	
χ_6	1	-1	E(4)	1	1	-1	-E(4)	-1	1	E(4)	-E(4)	1	-1	-1	-E(4)	E(4)	1	-E(4)	-1	E(4)	
χ_7	1	1	-E(4)	1	1	-1	-E(4)	1	-1	-E(4)	E(4)	1	-1	-1	-E(4)	E(4)	-1	E(4)	-1	E(4)	
χ_8	1	1	E(4)	1	1	-1	E(4)	1	-1	E(4)	-E(4)	1	-1	-1	E(4)	-E(4)	-1	-E(4)	-1	-E(4)	
χ_9	1	-E(4)	-1	1	-1	1	E(4)	E(4)	-E(4)	1	-1	-1	1	-1	-E(4)	E(4)	E(4)	1	-1	-E(4)	
χ_{10}	1	E(4)	-1	1	-1	1	-E(4)	-E(4)	E(4)	1	-1	-1	1	-1	E(4)	-E(4)	-E(4)	1	-1	E(4)	
χ_{11}	1	-E(4)	1	1	-1	1	-E(4)	E(4)	-E(4)	-1	1	-1	1	-1	E(4)	-E(4)	E(4)	-1	-1	E(4)	
χ_{12}	1	E(4)	1	1	-1	1	E(4)	-E(4)	E(4)	-1	1	-1	1	-1	-E(4)	E(4)	-E(4)	-1	-1	-E(4)	
χ_{13}	1	-E(4)	-E(4)	1	-1	-1	-1	E(4)	E(4)	E(4)	E(4)	-1	-1	1	1	1	-E(4)	-E(4)	1	-1	
χ_{14}	1	E(4)	E(4)	1	-1	-1	-1	-E(4)	-E(4)	-E(4)	-E(4)	-1	-1	1	1	1	E(4)	E(4)	1	-1	
χ_{15}	1	-E(4)	E(4)	1	-1	-1	1	E(4)	E(4)	-E(4)	-E(4)	-1	-1	1	-1	-1	-E(4)	E(4)	1	1	
χ_{16}	1	E(4)	-E(4)	1	-1	-1	1	-E(4)	-E(4)	E(4)	E(4)	-1	-1	1	-1	-1	E(4)	-E(4)	1	1	
X17	2	0	0	-2	-2	-2	0	0	0	0	0	2	2	2	0	0	0	0	-2	0	
χ ₁₈	2	0	0	-2	-2	2	0	0	0	0	0	2	-2	-2	0	0	0	0	2	0	
χ_{19}	2	0	0	-2	2	-2	0	0	0	0	0	-2		-2	0	0	0	0	2	0	
χ_{20}	2	0	0	-2	2	2	0	0	0	0	0	-2	-2	2	0	0	0	0	-2	0	

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

Normalisers N_i	$N_1 \mid N_2 \mid I$	$V_3 \mid N_4$	N_5 1	$N_6 \mid N_7 \mid$	$N_8 \mid N_9$	N_{10}	N ₁₁ N	$N_{12} N_{13}$	N_{14}	$V_{15} N_{16}$	N ₁₇ N	$V_{18} N_{19}$	$_{9} N_{20}$	$N_{21} \mid I$	$V_{22} N_{23}$	N ₂₄	$N_{25} \mid \Lambda$	$V_{26} N_{27}$	N_{28}	$N_{29} \mid N_{30}$	N_{31} N	$V_{32} N_{33}$	$_3$ N_{34}	$N_{35} \mid N$	$\sqrt{N_{36} N_{37}}$	N_{38}
p-subgroups of G up to conjugacy in G	P_1 P_2	$P_3 \mid P_4$	P_5	P_6 P_7	P_8 P_9	P_{10}	P_{11} P	$P_{12} P_{13}$	P_{14} I	$P_{15} P_{16}$	P_{17} I	$P_{18} P_{19}$	P_{20}	P_{21} I	$P_{22} P_{23}$	P_{24}	P_{25} I	$P_{26} P_{27}$	P_{28}	$P_{29} P_{30}$	P_{31} P	$P_{32} P_{33}$	$_3$ P_{34}	P_{35} P	00 01	P_{38}
Representatives $n_j \in N_i$	1a 1a 1	$1a \mid 1a$	1a 1	$1a \mid 1a \mid$	1a 1a	1a	1a 1	$a \mid 1a$	1a	1a $1a$	1a 1	1a $1a$	1a	1a	1a $1a$	1a	1a 1	a 1a	1 <i>a</i>	1a 1a	1a 1	$a \mid 1a$, 1a	$1a \mid 1$	1a 1a	1 <i>a</i>
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 2 \cdot \chi_{17} + 2 \cdot \chi_{18} + 2 \cdot \chi_{19} + 2 \cdot \chi_{20}$	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 2 \cdot \chi_{19} + 2 \cdot \chi_{20}$	16 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	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
$\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 2 \cdot \chi_{17} + 2 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}}$	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
$\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 2 \cdot \chi_{18} + 0 \cdot \chi_{19} + 2 \cdot \chi_{20}}$	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
$\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 2 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 2 \cdot \chi_{20}}$	16 0	0 0	0 1	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
$\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 2 \cdot \chi_{17} + 0 \cdot \chi_{18} + 2 \cdot \chi_{19} + 0 \cdot \chi_{20}}$	16 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 2 \cdot \chi_{18} + 2 \cdot \chi_{19} + 0 \cdot \chi_{20}$	16 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 8	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 0	0 (0 0	0	0 (0	0
$\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 2 \cdot \chi_{20}}$	8 8	0 0	8	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 0	8 0	8	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 2 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 0	0 8	8	0 0	8 0	0	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 0	8 0	0	8 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 2 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 0	0 8	0	8 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 2 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 8	0 0	0	0 8	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 0	0 0	0	0 0	8 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8 0	0 0	0	0 0	8 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20}$	8 0	0 0	8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20}$	8 0	0 0	8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{20}$	8 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	0	0 0	0 (0 0	0	0 0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{20}$	8 8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 0	4 0	4	0 4	0 0	0	4 (0	0	0 0	0	0 4	0	0	4 0	0	0	0 0	0	0 0	0 (0 0	0	0 0) 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 0	$0 \mid 4$	4	0 0	4 0	0	0 4	1 0	0	0 0	0	2 2	0	0	0 2	0	0	0 0	0	0 0	0 (0 0	0	0 0) 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 0	4 0	4	0 4	0 0	0	4 (0	0	0 0	0	4 0	0	0	0 0	4	0	0 0	0	0 0	0 0	0 0	0	0 0	$\frac{1}{1}$	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20}$	4 4	0 0	4	4 0	0 0	4	0 (0	0	0 0	0	2 2	0	0	0 0	0	2	0 0	0	0 0	0 0	0 0	0	0 0	$\frac{1}{1}$	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 4	4 4	0	0 0	0 4	0	0 (0	0	0 0	0	0 0	0	4	0 0	0	0	4 0	0	0 0	0 0	0 0	0	0 0	$\frac{1}{1}$	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 4	4 4	0	0 0	0 4	0	0 (0	0	0 0	0	0 0	4	0	0 0	0	0	0 4	0	0 0	0 0	0 0	0	0 0) 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20}$	4 4	0 0	4	4 0	0 0	4	0 (0	0	0 0	0	0 0	2	2	0 0	0	0	0 0	2	0 0	0 0	0 0	0	0 0) 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 4	0 0	0	0 4	4 0	0	0 () 0	0	4 0	0	0 0	2	2	0 0	0	0	0 0	0	2 0	0 (0 0	0	0 () 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 4	4 4	4	4 4	4 4	4	4 4	1 4	4	4 0	0	0 0	0	0	0 0	0	0	0 0	0	0 4	0 (0 0	0	0 () 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	1 0	0 4	4	0 0	4 0	0	0 4	1 0	0	0 2	2	0 0	0	0	0 0	0	0	0 0	0	0 0	2 (0 0	0	0 () 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 0	4 0	0	4 0	4 0	0	0 () 4	0	0 0	4	0 0	0	0	0 0	0	0	0 0	0	0 0	0 4	4 0	0	0 () 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 0	4 0	0	4 0	4 0	0	0 () 4	0	0 4	0	0 0	0	0	0 0	0	0	0 0	0	0 0	0 (0 4	0	0 () 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4 4	0 0	0	0 4	4 0	0	0 () 0	0	4 2	2	0 0	0	0	0 0	0	0	0 0	0	0 0	0 0	0 0	2	0 0	$\frac{J}{O}$	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	2 2	$\frac{2}{2}$	2	2 2	2 2	2	2 2	$\frac{2}{2}$	2	2 0	0	0 0	2	2	0 0	0	0	$\begin{array}{c c} 2 & 2 \end{array}$	2	2 2	0 0	0 0	0	2 0) 0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	2 2	$\frac{2}{2}$	2	2 2	2 2	2	2 2	$\frac{2}{2}$	2	2 2	2	0 0	0	0	0 0	0	0	0 0	0	0 2	2 2	$\frac{2}{2}$	2	$0 \mid 2$	2 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$		2 2	2	2 2	2 2	2	2 2	2 2	2	2 0	0	2 2	0	0	2 2	2	2	0 0	0	0 2	0 0	0	0	0 0	$\frac{J}{J}$	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	1 1 1	1 1	1	1 1	1 1	1	1 1	l 1	1	1 1	1	1 1	1	1	1 1	1	1	1 1	1	1 1	1 1	1 1	1	1 1	1 1	1

- $P_2 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2(1,23)($ $P_3 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong C2(1,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]$
- $P_4 = Group([(1,14)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29)]) \cong \mathbb{C}_2^{2}$
- $P_5 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2$ $P_6 = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C2$
- $P_7 = Group([(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29)]) \cong C2$
- $P_8 = Group([(1,26)(2,30)(3,31)(4,16)(5,15)(6,14)(7,32)(8,22)(9,21)(10,20)(11,25)(12,24)(13,23)(17,29)(18,28)(19,27)]) \cong C2$

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

- $P_{29} = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24),(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29),(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29),(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29),(1,15)(2,21)(3,24)(4,6)(5,26)(17,27)(19,29)(21,30)(24,31)(2$ $P_{30} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,4)(2,8)(3,11)(5,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(13,24)(16,26)(17,28)(18,24)(18,2$ $P_{31} = Group([(1,17,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25),(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(13,24)(12,25)(14,26)(17,28)(12,25)(1$
- $P_{32} = Group([(1,17,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(18,19)(18,1$
- $P_{33} = Group([(1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(14,15)(17,32)(18,19)(12,13)(18,19)(18,1$
- $P_{35} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(21,30)(23,31)(27,32), \\ (1,2,5)(15,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(19,21)(19,24)(1$ $P_{36} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(21,30)(23,31)(27,32), \\ (1,17,26,29)(2,30,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(21,30)(24,31)(28,32), \\ (1,17,26,29)(2,30,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(11,24)(12,25)(12,25$
- $P_{37} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(21,30)(23,31)(27,32), \\ (1,3)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(21,30)(23,31)(27,32), \\ (1,3)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(14,26)(17,27)(19,20)(11,24)(12,25)(13,24)(12,25)(12$

 $N_1 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)] \\ \cong (C4 \times C2) : C4 \times C2) : C5 \times C4 \times C2) : C4 \times C2$: C4 \times C2) : C4 \times C2) : C4 \times C2 : C4 \tau C2) : C4 \tau C2) : C4 \times C2

 $N_2 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,31,22)(15,21,26,30)(25,31)(29,32)(25,31)(29,32)(29,32)(2$ $N_3 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,31,22)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(2$ $N_4 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)] \\ \cong (C4 \times C2) : C4 \times C2) : C5 \times C4 \times C2) : C4 \times C2$: C4 \times C2) : C4 \times C2) : C4 \times C2 : C4 \tau C2) : C4 \tau C2) : C4 \times C2 : C4 \tau C2) : C4 \tau C2) : C4 \times C2 : C5 \tau C2) : C4 \tau C2) : C4 \tau C2) : C4 \times C2 : C5 \tau C2 : C4 \tau C2) : C4 \tau C2 : C4 \tau C2) : C4 \times C2 : C5 \tau C2 : C4 \t $N_5 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)] \\ \cong (C4 \times C2) : C4 \times C2) : C5 \times C4 \times C2) : C4 \times C2$: C4 \times C2) : C4 \times C2) : C4 \times C2 $N_6 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)] \\ \cong (C4 \times C2) : C4 \times C2) : C5 \times C4 \times C2) : C4 \times C2$: C4 \times C2) : C4 \times C2) : C4 \times C2 $N_7 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32)(15,21,26,30)(19,21)(21,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)] \\ \cong (C4 \times C2) : C4 \times C2) : C5 \times C4 \times C2) : C4 \times C2$: C4 \times C2) : C4 \times C2) : C4 \times C2 : C4 \tau C2) : C4 \tau C2) : C4 \times C2 $N_8 = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(25,31)(29,32),(1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)] \\ \cong (C4 \times C2) : C4 \times C2$: C4 \times C2) : C4 \times C2) : C4 \times C2) : C4 \times C2) : C4 \times C2 $N_9 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(13,24)(14,2$

- $N_{10} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,20)(14,21,25)(14,20)(14$ $N_{11} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(13,24)(16,26)(17,28)(18,29)(20,30)(23,31)(27,32)(17,28)(18,29)(20,30)(23,31)(27,32)(17,28)(18,29)(20,30)(23,31)(27,32)(17,28)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(18,29)(20,30)(23,31)(27,32)(20,30)(23,31)(27,32)(20,30)(23,31)(27,32)(20,30)(23,31)(27,32)(20,30)(23,31)(27,32)(20,30)(23,31)(27,32)(20,30)(23,31)(27,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)(20,30)(20,31)(20,32)$ $N_{13} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(15,24)(27,28), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,12,12,26)(13,24)($
- $N_{14} = Group([(1,14)(2,20)(3,23)(4,5)(6,26)(7,27)(8,9)(10,30)(11,12)(13,31)(15,16)(17,18)(19,32)(21,22)(24,25)(28,29), \\ (1,16)(2,20)(3,24)(27,28)(1,2,16,25)(8,17,21,28)(9,18,22,29)(14,23,26,31)(20,27,30,32)] \\ \cong (C4 \times C2) : C4 \times C2) : C4 \times C2 : C4 \times C$ $N_{15} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(15,21,26,30)(19,31,29,24), \\ (1,3,6,13)(2,3,12)(2,3$
- $N_{19} = Group([(1,12,6,25)(2,18,10,29)(3,16,13,5)(4,23,15,31)(7,22,19,9)(8,27,21,32)(11,26,24,14)(17,30,28,20),(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,26)(17,28)(13,24)(16,25)(14,26)(17,28)(13,24)(16,26)(17,28)(18,27)(19,28)(22,30)(25,31)(27,32),(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,26)(17,28)(13,24)(16,26)(17,28)(18,27)(19,28)$
- $N_{20} = Group([(1,10,5,22)(2,16,9,6)(3,28,12,32)(4,21,14,30)(7,31,18,24)(8,26,20,15)(11,19,23,29)(13,17,25,27),(1,5)(2,9)(3,12)(4,14)(6,16)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,32),(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24),(1,4)(6,16)(7,18)(8,20)(10,22)(11,23)(13,24)(16,26)(18,27)(19,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29,24),(13,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(24,31)(28,32),(12,29)(21,30)(21,$ $N_{21} = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,24,16,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,31)(15,21,26,30)(19,31,24,16)(17,27)(19,29)(21,30)(24,31)(25,31)(27,32)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,31)(27,32)(19,29)(21,30)(24,31)(25,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(24,31)(27,32)(19,29)(21,30)(27,31)(27,32)(19,29)(21,30)(27,31)(27,32)(19,29)(21,30)(27,31)(27,32)(19,29)(27,30)(27,31)(27,32)(27$ $N_{22} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(23,31)(27,32)(11,26,24)(19,28)(21,29$
- $N_{24} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,21)(21,23)(13,24)(16,26)(18,27)(19,28)(21,29)(14,23,26,31)(27,32)(19,28)(21,29)(14,23,26,31)(27,32)(19,28)(21,29)(21,$
- $N_{25} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(21,30)(24,31)(25,32)(15,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)$ $N_{26} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,20)(13,24)(16,26)(17,27)(19,20)(13,24)(16,26)(17,27)(19,20)(19,21)$ $N_{27} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(17,27)(19,20)(13,17,25,27), \\ (1,5,6)(2,30)(2,31)(2,31)(2,32)(13,17,25,27), \\ (1,5,6)(2,31)(2,31)(2,32)(13,17,25,27), \\ (1,5,6)(2,31)(2$
- $N_{28} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(13,25)(15,26)(17,27)(19,20)(21,30)(24,31)(27,32), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,12,26,30)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,5,9)(3,12,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2,2,2,26,32)(19,31,29,24), \\ (1,2$ $N_{29} = Group([(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29), \\ (1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,12)(11,23)(13,24)(16,26)(17,27)(19,28)(22,30)(25,31)(29,32)(17,27)(19,28)(22,30)(25,31)(29,32)(19,28)(19,28)(19,$ $N_{30} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,27)(19,28)(22,30)(25,31)(27,32)(15,24)$
- $N_{31} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,17)(9,20)(10,21)(12,23)(13,24)(15,25)(14,26)(17,28)(13,23)(17,29)(18,28)(19,27), \\ (1,17,26,29)(2,30)(2,31$ $N_{32} = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), \\ (1,17,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,31,20)(4,7,16,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25), \\ (1,26,29)(2,23,30,13)(3,10,21,23)(17,29)(18,28)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(1$ $N_{33} = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(13,24)(27,28), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,31,8)(4,18,16,28)(5,17,15,29)(6,32,14,7)(9,23,21,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,11,30,25)(3,22,13,13)(10,24,20,12), \\ (1,27,26,19)(2,12,12)(2,12,12), \\ (1,27,26,19)(2,12,12)(2,12,12), \\ (1,27,26,19)(2,12,12)(2,12,12), \\ (1,27,26,19)(2,12,12)(2,12,12), \\ (1,27,26,19)(2,12,12)(2,12,12), \\ (1,27,26,19)(2,12,12)(2,12)(2,12,12), \\ (1,27,26,12)(2,$
- $N_{35} = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(24,31)(28,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(15,24)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(21,30)(24,31)(28,32),(1,4)(28,32)(16,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(12,23)(12,24)(12,25)(12,24)(12,2$ $N_{36} = Group([(1,17,26,29)(2,23,30,13)(3,10,31,20)(4,716,32)(5,27,15,19)(6,28,14,18)(8,12,22,24)(9,11,21,25)(14,26)(17,28)(13,24)(16,26)(17,27)(19,29)(21,30)(24,31)(27,32)(15,26)(17,27)(19,29)(21,30)(24,31)(27,32)(15,26)(17,27)(19,29)(21,30)(24,31)(27,32)(15,26)(17,27)(19,29)(21,30)(24,31)(27,32)(15,26)(17,27)(19,29)(21,30)(24,31)(27,32)(27,32)(2$

 $N_{37} = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,32),(1,5)(2,9)(3,12)(4,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32),(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32),(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(19,21)(12,23)(13,24)(16,25)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32)(27,3$ $N_{38} = Group([(1,2,5,9)(3,17,12,27)(4,8,14,20)(6,10,16,22)(7,23,18,11)(13,28,25,32)(15,21,26,30)(29,31,24)(16,26)(17,27)(19,29)(21,30)(24,31)(29,32)(15,21,26,30)(19,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(15,21,26,30)(29,31)(29,32)(2$