	1a	2a	4a	4b	2b	2c	4c	4d	4e	4f	4g	2d	2e	4h
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	-1	-1	1	1	1	1	1	-1	-1	1	-1	1
χ_3	1	-1	-1	1	1	1	1	-1	-1	-1	1	1	1	-1
χ_4	1	-1	1	-1	1	1	-1	1	-1	1	-1	1	1	-1
χ_5	1	-1	1	1	1	1	-1	-1	1	1	1	1	-1	1
χ_6	1	1	-1	-1	1	1	-1	-1	1	-1	-1	1	1	1
χ_7	1	1	-1	1	1	1	-1	1	-1	-1	1	1	-1	-1
χ_8	1	1	1	-1	1	1	1	-1	-1	1	-1	1	-1	-1
χ_9	2	0	0	0	-2	-2	0	0	-2	0	0	2	0	2
χ_{10}	2	0	0	0	-2	-2	0	0	2	0	0	2	0	-2
χ_{11}	2	0	-2 * E(4)	0	2	-2	0	0	0	2 * E(4)	0	-2	0	0
χ_{12}	2	0	2 * E(4)	0	2	-2	0	0	0	-2*E(4)	0	-2	0	0
χ_{13}	2	0	0	-2 * E(4)	-2	2	0	0	0	0	2 * E(4)	-2	0	0
χ_{14}	2	0	0	2 * E(4)	-2	2	0	0	0	0	-2*E(4)	-2	0	0

Trivial source share startable of $C \simeq (C4 \times C4) \cdot C2$ at n=2

Trivial source character table of $G \cong (C4 \times C4)$: C2 at $p = 2$:																													
Normalisers N_i	$N_1 \mid N_2$	$N_3 \mid N_4$	N_5	$V_6 \mid N_7 \mid$	N_8 N	$V_9 \mid N_{10}$	N_{11}	$N_{12} \mid N_1$	N_{14}	N_{15}	$N_{16} \mid N$	N_1	N_{19}	N_{20}	N_{21}	$N_{22} \mid N_{22}$	N_{23} N_{24}	N_{25}	N_{26}	N_{27}	$N_{28} \mid N$	$I_{29} \mid N_3$	N_{31}	N_{32}	$N_{33} \mid N$	$I_{34} \mid N$	N_3 N_3	$_{6}$ N_{37}	N_{38}
p-subgroups of G up to conjugacy in G	$P_1 \mid P_2$	$P_3 \mid P_4$	P_5	$P_6 \mid P_7 \mid$	$P_8 \mid P$	$P_{9} \mid P_{10}$	P_{11}	$P_{12} \mid P_{13}$	P_{14}	P_{15}	$P_{16} \mid P_{16}$	$P_{17} \mid P_{18}$	$_{8} \mid P_{19}$	P_{20}	P_{21}	$P_{22} \mid P_{2}$	$P_{23} \mid P_{24}$	P_{25}	P_{26}	P_{27}	$P_{28} \mid F$	$P_{29} \mid P_{30}$	P_{31}	P_{32}	$P_{33} \mid P$	$P_{34} \mid P_{5}$	$_{35} P_3$	$_{6} \mid P_{37}$	P_{38}
Representatives $n_j \in N_i$	$1a \mid 1a$	1a 1a	1a	$a \mid 1a \mid$	$1a \mid 1$	$a \mid 1a$	1a	$1a \mid 1a$	1 <i>a</i>	1 <i>a</i>	$1a \mid 1$	$a \mid 1a$	$a \mid 1a$	1a	1a	$1a \mid 1$	$a \mid 1a$	1 <i>a</i>	1a	1a	1a 1	$1a \mid 1a$	1a	1a	1a	$1a \mid 1$	$a \mid 1a$	1a	1 <i>a</i>
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14}$	32 0	0 0	0	0 0	0 (0 0	0	0 0	0	0	0 (0	0	0	0	0 (0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	16 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 C	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14}$	16 0	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 C	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	16 0	0 16	0	0 0	0 (0 0	0	0 0	0	0	0 (0 0	0	0	0	0 (0	0	0	0	0	0 0	0	0	0	0 C	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16 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 C	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8	8 8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0 8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 0	8 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	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 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 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8	0 0	4	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0 8	0	0 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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0 8	0	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 8	0 0	0	4 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8 0	8 0	0	4 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0 8	0	4 0	0 (0 0	0	0 0	0	0	0 4	1 0	0	0	0	0 (0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0 8	0	0 0	0 (0 0	0	0 0	0	0	0 () 4	0	0	0	0 (0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8 0	0 8	0	0 0	0 (0 0	0	0 0	0	0	0 (0 0	4	0	0	0 (0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4	4 4	0	0 4	0 (0 0	0	0 0	0	0	0 () 4	0	4	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	4 4	0	0 4	0 (0 0	0	0 0	0	0	0 (0 0	4	0	4	0 (0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4	4 4	4	$0 \mid 4 \mid$	4 (0 4	0	4 0	0	0	0 (0	0	0	0	4 (0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4	4 4	0	4 4	0 (0 0	0	0 0	0	4	4 4	1 0	0	0	0	0 4	0	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4	4 4	0	$0 \mid 4 \mid$	0 (0 0	0	0 4	4	0	0 (0	0	0	0	0 (4	0	0	0	0	0 0	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4	4 4	0	0 4	0 (0 0	4	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 4	4 4	0	$0 \mid 4 \mid$	0 4	4 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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 0	0 4	2	$\begin{vmatrix} 2 & 0 \end{vmatrix}$	2 (0 0	0	0 4	0	0	0 2	2 0	0	0	0	0 (0	0	0	2	0	0 0	0	0	0	0 0) 0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 0	0 4	2	$\begin{vmatrix} 2 & 0 \end{vmatrix}$	2 (0 0	0	0 0	4	0	0 2	2 0	0	0	0	0 (0	0	0	0	2	0 0	0	0	0	0 0) 0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 0	0 4	0	0 0	0 (0 0	0	0 4	0	0	0 ($\frac{1}{2}$	2	0	0	0 (0	0	0	0	0	2 0	0	0	0	0 0) 0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4 0	0 4	0	0 0	0 (0 0	0	0 0	4	0	0 () 2	2	0	0	0 (0	0	0	0	0	0 2	0	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2 2	$\begin{vmatrix} 2 & 2 \end{vmatrix}$	0	$2 \mid 2 \mid$	0 (0 0	2	0 0	0	2	$2 \mid 2$	$2 \mid 2$	0	2	0	0 2	2 0	2	0	0	0	0 0	2	0	0	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2 2	2 2	0	2 2	0 :	2 0	0	0 0	0	2	2 2	2 0	2	0	2	0 2	2 0	0	2	0	0	0 0	0	2	0	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2 2	2 2	2	2 2	2 (0 2	0	2 2	2	2	2 2	2 0	0	0	0	2 2	2	0	0	2	2	0 0	0	0	2	0 0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2 2	2 2	0	0 2		$\begin{vmatrix} 2 & 0 \end{vmatrix}$	2	0 2	2	0	0 (0	0	0	0	0 (2	2	2	0	0	0 0	0	0	0	2 0	0 0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2 2	2 2	2	0 2				2 0		0	0 (0	2	0	2	2 (0	2	0	0	0	0 0	0	0	0	0 2	2 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	2 0	0) 2	0	2	0	2 (0	0	2	0	0	0 0	0	0	0	0 0	0 2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$								0 2	2	0	0 () 2	2	2	2	0 (2	0	0	0	0	2 2	0	0	0	0 0	0 0	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	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

- $P_2 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C2$
- $P_3 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C2$
- $P_4 = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C2$
- $P_5 = Group([(1,32)(2,31)(3,8)(4,7)(5,28)(6,27)(9,24)(10,23)(11,22)(12,20)(13,21)(14,18)(15,19)(16,17)(25,30)(26,29)]) \cong C2(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)(1,32)($ $P_6 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27)]) \cong \mathbb{C}2$
- $P_9 = Group([(1,4,5,14)(2,8,9,20)(3,11,12,23)(6,15,16,26)(7,17,18,27)(10,21,22,30)(13,24,25,31)(19,28,29,32),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C4$
- $P_{11} = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(8,17,21,28)(9,18,22,29)(14,23,26,31)(20,27,30,32),(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C4$
- $P_{13} = Group([(1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C4$
- $P_{14} = Group([(1,23,16,24)(2,27,22,28)(3,26,25,4)(5,11,6,31)(7,30,29,8)(9,17,10,32)(12,15,13,14)(18,21,19,20),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C4$
- $P_{18} = Group([(1, 18, 16, 19)(2, 12, 22, 13)(3, 10, 25, 9)(4, 32, 26, 17)(5, 7, 6, 29)(8, 31, 30, 11)(14, 28, 15, 27)(20, 24, 21, 23), (1, 16)(2, 22)(3, 25)(4, 26)(5, 6)(7, 29)(8, 30)(9, 10)(11, 31)(12, 13)(14, 15)(17, 32)(18, 19)(20, 21)(23, 24)(27, 28)]) \cong C4$
- $P_{19} = Group([(1,21,16,20)(2,15,22,14)(3,32,25,17)(4,9,26,10)(5,30,6,8)(7,31,29,11)(12,28,13,27)(18,24,19,23),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong C4$
- $P_{21} = 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)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), \\ (1,2)(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), \\ (1,2)(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), \\ (1,2)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,$

- $P_{24} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)(12,28)$
- $P_{27} = Group([(1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28),(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \cong D8$
- $P_{28} = Group([(1,23,16,24)(2,27,22,28)(3,26,25,4)(5,11,6,31)(7,30,29,8)(9,17,10,32)(12,15,13,14)(18,21,19,20),(1,2)(3,28)(24,27),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \\ \cong D_{28} = Group([(1,23,16,24)(2,27,22,28)(3,26,25,4)(5,11,6,31)(7,30,29,8)(9,17,10,32)(12,15,13,14)(18,21,19,20),(1,2)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)(23,24)$
- $P_{29} = Group([(1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28),(1,7,16,29)(2,3,22,25)(4,28,26,27)(5,18,6,19)(8,24,30,23)(9,12,10,13)(11,20,31,21)(14,32,15,17),(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 Q_{3} = Group([(1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28),(1,7,16,29)(2,3,22,25)(4,26,27)(5,18,6,19)(9,27,10,28),(1,7,16,29)(2,3,22,25)(4,26,27)(5,18,6,19)(9,27,10,28),(1,7,16,29)(2,3,22,25)(4,26,27)(5,18,6,19)(9,27,10,28),(1,7,16,29)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,22)(3,23,22,25)(4,28,26,27)(5,18,6,19)(2,22)(3,23,22,25)(4,28,26,27)(5,18,6,19)(2,22)(3,23,22,25)(4,28,26,27)(5,18,6,19)(2,22)(3,22,25)(4,28,26,27)(5,18,6,19)(2,22)(3,22,25)(4,28,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27$ $P_{30} = Group([(1,23,16,24)(2,27,22,28)(3,26,25,4)(5,11,6,31)(7,30,29,8)(9,17,10,32)(12,15,13,14)(18,21,19,20),(1,7,16,29)(2,3,22,25)(4,28,26,27)(5,18,6,19)(8,24,30,23)(9,12,10,13)(11,20,31,21)(14,32,15,17),(1,16)(2,22)(3,25)(4,26,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,3,22,25)(4,28,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,27)(5,18,26,2$
- $P_{31} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(27,32), \\ (1,3)(4,15)(5,16)(7,19)(8,21)(9,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21$
- $P_{33} = 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)(28,32), \\ (1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28), \\ (1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28), \\ (1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,15,25,14)(4,12,26,13)(2,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,22,32)(3,17,2$

- $P_{35} = 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)(28,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,28)(18,24)(19,22)(11,24)(12,25)(14,26)(17,28)(18,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19$
- $P_{36} = 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), \\ (1,4,5,14)(2,8,9,20)(3,11,12,23)(6,15,16,26)(7,17,18,27)(19,29)(21,30)(24,31)(24,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(24,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(24,32)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(24,32)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12$ $P_{37} = 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)(11,24)(12,25)(14,26)(17,28)(18,24)(19,23)(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)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)$
- $P_{38} = 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)(29,23)(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)(19,22)(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)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)(19,28)$

 $N_1 = 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)(19,28)(24,27), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,28)(14,2$ $N_2 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (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)(27,32)]) \\ \cong (C4 \times C4) : C2 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32)]) \\ \cong (C4 \times C4) : C2 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12$ $N_3 = 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), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,26)(17,28)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14$ $N_4 = 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), \\ (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,26)(17,28)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(14,29)(14,23)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14$ $N_5 = Group([(1,32)(2,31)(3,8)(4,7)(5,28)(6,27)(9,24)(10,23)(11,22)(12,20)(13,21)(14,18)(15,19)(16,17)(25,30)(26,29), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(13,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) \\ \cong C_2 \times C_2 \times C_2 \times C_3 \times C_4 \times C_4$ $N_6 = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,9)(2,5)(3,7)(4,30)(6,22)(7,25)(9,16)(11,27)(12,19)(13,18)(14,20)(15,21)(17,23)(24,32)(26,30)(28,31)]) \\ \cong C_2 \times C_2 \times C_2 \times C_3 \times C_4 \times$ $N_7 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,12)(8,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14,23)(14$

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

- $N_{11} = 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)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(14,26)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(1$
- $N_{13} = Group([(1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28),(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),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)(27,28),(1,23,24)$
- $N_{14} = Group([(1,23,16,24)(2,27,22,28)(3,26,25,4)(5,11,6,31)(7,30,29,8)(9,17,10,32)(12,15,13,14)(18,21,19,20),(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),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(3,24)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)(27,28),(1,2)$
- $N_{17} = Group([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), \\ (1,1,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28)]) \\ \cong C2 \times D8 + C_{17} + C$
- $N_{18} = Group([(1,18,16,19)(2,12,22,13)(3,10,25,9)(4,32,26,17)(5,76,29)(8,31,30,11)(14,28,15,27)(20,24,21,23),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(24,31)(2$
- $N_{19} = Group([(1,21,16,20)(2,15,22,14)(3,32,25,17)(4,9,26,10)(5,30,6,8)(7,31,29,11)(12,28,13,27)(18,24,19,23),(1,16)(2,22)(3,25)(4,26,27)(5,18,6,19)(2,2,14)(3,32,25,17)(4,9,26,10)(5,30,6,8)(7,31,29,11)(12,28,13,27)(18,24,19,23),(1,16)(2,22)(3,25)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(5,18,6,19)(2,23)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27)(4,26,27$
- $N_{20} = Group([(1,18,16,19)(2,12,213)(3,10,25,9)(4,32,26,17)(5,76,29)(3,12)(4,14)(6,16)(7,19)(8,21)(1,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(27,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)(15,26)(17,27)(19,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29)(17,29$ $N_{21} = Group([(1,21,16,20)(2,15,22,14)(3,32,25,17)(4,9,26,10)(5,30,6,8)(7,31,29,11)(12,28,13,27)(18,24)(17,27)(19,29)(21,30)(24,31)(27,32)(11,24)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,23)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)$
- $N_{22} = Group([(1,32)(2,31)(3,8)(4,7)(5,28)(6,27)(9,24)(10,23)(11,22)(12,20)(13,21)(14,18)(15,19)(16,17)(25,30)(24,27),(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,12,16,25)(14,20)(13,21)(14,18)(15,19)(16,17)(25,30)(26,29),(1,5)(2,9)(3,12)(4,14)(6,16)(7,12)(8,12)(14,24)(12,25)(14,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(14,23)(13,25)(15,26)(17,27)(19,29)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,25)(13,$
- $N_{25} = 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)(27,32),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32),(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(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)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(24,31)(27,32),(1,5)(29,20)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,30)(21,$ $N_{26} = Group([(1,4,5,14)(2,8,9,20)(3,11,12,23)(6,15,16,26)(7,17,18,27)(10,21,23)(13,24)(13,25)(14,26)(17,27)(19,29)(21,30)(23,31)(27,32), \\ (1,5)(2,9)(3,12)(4,14)(6,16)(7,12)(8,21)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)(13,24)$
- $N_{27} = 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), \\ (1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28), \\ (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)(19,27)(19,29)(19,19)(19,27)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,29)(19,$ $N_{28} = 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), (1,23,16,24)(2,27,22,28)(3,26,25,4)(5,11,6,31)(7,30,29,8)(9,17,10,32)(12,15,13,14)(18,21,19,20), (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)(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)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)(18,19)($
- $N_{29} = Group([(1,7,16,29)(2,3,22,25)(4,28,26,27)(5,18,6,19)(8,24,30,23)(9,12,10,13)(11,20,31,21)(14,32,15,17),(1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(5,23,6,24)(7,21,29,20)(8,18,30,19)(9,27,10,28),(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,12)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,32)(14,$
- $N_{30} = Group([(1,7,16,29)(2,3,22,25)(4,28,26,27)(5,18,6,19)(2,27,22,28)(3,26,25,4)(5,11,6,31)(12,33)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)(1,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)] \\ \cong C2 \times Q8$
- $N_{31} = Group([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,22)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,29)(21,30)(24,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(21,30)(29,31)(29,29)(29,30)(29,31)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)(29,29)$ $N_{33} = 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), (1,11,16,31)(2,17,22,32)(3,15,25,14)(4,12,26,13)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,21)(19,29)(21,30)(24,31)(27,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32)(17,32$
- $N_{34} = 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)(28,32),(1,5)(2,9)(3,12)(4,25)(14,26)(17,28)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(13,29)(14,23)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)$ $N_{35} = Group([(1,21,16,20)(2,15,22,14)(3,32,25,17)(4,9,26,10)(5,30,6,8)(7,31,29)(14,20)(24,31)(28,32),(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)(27,32),(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,13)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,20)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,20)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(14,26)(17,27)(19,29)(11,24)(12,25)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,29)(13,$ $N_{36} = Group([(1,18,16,19)(2,12,22,13)(3,10,25,9)(4,32,26,17)(5,76,29)(8,31,30,11)(14,28,15,27)(20,24,21,23),(1,4,5,14)(2,8,9,20)(3,11,12,23)(6,15,16,26)(7,17,18,27)(10,21,22,30)(13,24,25,31)(19,28,29,32),(1,5)(2,9)(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),(1,23)(13,24)(27,32)(14,26)(17,27)(19,29)(21,30)(24,31)(27,32),(1,23)(13,24)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32),(1,23)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32),(1,23)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32),(1,23)(27,32)(17,27)(19,29)(21,30)(24,31)(27,32),(1,23)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32)(27,32$
- $N_{38} = 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)(19,28)(24,27), (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)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(14,26)(17,27)(19,29)(21,30)(24,31)(29,23)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(21,29)(2$