The group G is isomorphic to the group labelled by [32, 42] in the Small Groups library Ordinary character table of $G \cong (C8 \times C2) : C2$:

	1a	2a	2b	4a	4b	2c	8a	4c	4d	2d	4e	8 <i>b</i>	8c	8d
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
χ3	1	-1	-1	1	1	1	1	-1	-1	1	1	1	1	1
χ_4	1	-1	1	-1	1	1	-1	1	-1	-1	-1	1	-1	1
χ_5	1	-1	1	1	1	1	-1	-1	1	1	1	-1	-1	-1
χ_6	1	1	-1	-1	1	1	-1	-1	1	-1	-1	1	-1	1
χ_7	1	1	-1	1	1	1	-1	1	-1	1	1	-1	-1	-1
χ_8	1	1	1	-1	1	1	1	-1	-1	-1	-1	-1	1	-1
χ_9	2	0	0	-2	-2	2	0	0	0	2	-2	0	0	0
χ_{10}	2	0	0	2	-2	2	0	0	0	-2	2	0	0	0
χ11	2	0	0	-2 * E(4)	0	-2	$-E(8) + E(8)^3$	0	0	0	2 * E(4)	$E(8) + E(8)^3$	$E(8) - E(8)^3$	$-E(8) - E(8)^3$
χ_{12}	2	0	0	-2 * E(4)	0	-2	$E(8) - E(8)^3$	0	0	0	2 * E(4)	$-E(8) - E(8)^3$	$-E(8) + E(8)^3$	$E(8) + E(8)^3$
χ_{13}	2	0	0	2 * E(4)	0	-2	$-E(8) + E(8)^3$	0	0	0	-2*E(4)	$-E(8) - E(8)^3$	$E(8) - E(8)^3$	$E(8) + E(8)^3$
χ_{14}	2	0	0	2 * E(4)	0	-2	$E(8) - E(8)^3$	0	0	0	-2 * E(4)	$E(8) + E(8)^3$	$-E(8) + E(8)^3$	$-E(8) - E(8)^3$

Trivial source character table of $G \cong (C8 \times C2)$: C2 at p = 2:

Third source character table of $G = (Co \times Cz)$. Cz at $p-z$.	37	3.7	37 3	7 37			3.7	3.7	3.7	37	3.7	3.7	37			3.7			3.7		37	37	37	37	3.7	3.7	3.7	37	37	37
Normalisers N_i			$N_3 \mid \Lambda$	4 N	$_{5}$ N	$6 N_7$	N_8			N_{11}											N_{22}	-			N_{26}		N_{28}	N_{29}	N_{30}	
p-subgroups of G up to conjugacy in G	P_1	P_2	$P_3 \mid P$	$P_4 \mid P_1$	$_{5} \mid P$	$P_6 \mid P_7$	P_8	P_9	P_{10}	P_{11}	P_{12}	P_{13}	P_{14}	$P_{15} \mid I$	P ₁₆	P_{17} .	P ₁₈	P_{19}	P_{20}	P_{21}	P_{22}	P_{23}	P_{24}	P_{25}	P_{26}	P_{27}	P_{28}	P_{29}	P_{30}	P_{31}
Representatives $n_j \in N_i$	1a	1a	$1a \mid 1$	$a \mid 1a$	$a \mid 1a$	$a \mid 1a$	1 <i>a</i>	1 <i>a</i>	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14}$	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	16	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16	0	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16	0	0 4	1 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	16	0	0 () 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0 4	1 0	4	1 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0 () 8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0 (0 0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0 (0 0	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0 (0 0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0 4	1 0	4	1 0	0	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0 () 4	. 0) 4	4	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0 (0	0	0	0	4	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	2 (0	0	0	4	0	2	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0 (0	0	0	0	0	0	4	4	0	0	0	0	4	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	0 (0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	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	0 (0	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0 2	2 4	2	2 4	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0 2	2 0	2	2 0	4	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	2 () 4	0) 4	0	0	2	0	2	0	0	0	0	0	0	0	0	0	2	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 (0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	2 () 2	0) 2	2	0	2	2	2	0	2	0	2	2	0	0	0	0	2	2	2	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	2 (0	0	0	0	2	2	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	0 2	2 2	2	2 2	2	2	0	2	0	2	2	2	0	0	0	0	2	2	0	0	0	0	2	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	2 2	2 0	2	2 0	0	0	2	2	0	2	0	0	0	0	2	0	0	0	0	2	0	0	0	2	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	0 2	2 0	2	2 0	0	0	0	2	2	2	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	0 () 2	0) 2	2	0	0	2	0	0	2	0	0	0	2	2	0	0	0	0	0	0	0	0	0	2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	0 (0	0	0	0	2	0	2	2	0	0	2	0	2	2	0	0	0	0	0	0	0	0	0	0	0	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	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
	. '			'					· '	-						-		<u> </u>												

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

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

- $P_{18} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(4,26)(17,28)(18,29)(20,30)(23,31)(17,27,28,32), \\ (1,18,5,19,6,29,16,7)(2,12,9,13,10,25,22,3)(4,27,14,28,15,32,26,17)(8,23,20,24,21,31,30,11)] \cong C8$
- $P_{19} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(13,24)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,20)(4,29,12,22)(3,12,12,22)(4,29,12,22)$
- $P_{20} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(13,29)(20,30)(23,31)(27,32), \\ (1,3)(2,7)(4,11)(5,25)(6,13)(8,17)(9,29)(10,19)(12,16)(14,31)(15,24)(18,29)(20,32)(21,28)(23,26)(27,30)] \cong D8$
- $P_{22} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,14)(2,20)(3,23)(4,16)(5,15)(6,26)(7,27)(8,22)(9,21)(10,30)(11,25)(12,24)(13,31)(17,29)(18,28)(19,32), (1,14)(2,20)(3,23)(4,16)(5,15)(6,26)(7,27)(8,22)(9,21)(10,30)(11,25)(12,24)(13,31)(17,29)(18,28)(19,32), (1,14)(2,20)(3,23)(4,16)(5,15)(6,26)(7,27)(8,22)(9,21)(10,30)(11,25)(12,24)(13,31)(17,29)(18,28)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,14)(2,20)(3,23)(4,16)(5,15)(6,26)(7,27)(8,22)(9,21)(10,30)(11,25)(12,24)(13,31)(17,29)(18,28)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,14)(2,20)(3,23)(4,16)(5,22)(6,10)(7,28)(18,29)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(19,22)(11,24)(12,25)(14,26)(17,28)(18,29)(19,26)(19,2$

- $P_{23} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(11,24)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)(12,25)(14,26)(17,28)($ $P_{24} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,24)(11,23,24,31)(17,23,$
- $P_{25} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(11,24)(12,25)(12,25)(1$
- $P_{26} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), \\ (1,4,6,15)(2,8,10,21)(3,12,13,25)(4,14,15,26)(7,13,12,24)(11,24)(12,25)(14,26)(17,28)(18,24)(18,22)(18,24)(1$
- $P_{27} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(4,14,15,26)(7,18)(4,22)(20,32)(21,28)(23,26)(27,30), \\ (1,2)(4,11)(5,25)(6,13)(4,15)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,23)(19,25)(20,26)(24,32)(28,31)]) \cong D16$ $P_{28} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(11,24)(12,25)(14,26)(17,28)(11,24)(12,25)(14,26)(17,28)(11,24)(12,25)(14,26)(17,28)(11,24)(12,25)(14,26)(17,28)(11,24)(12,25)(14,26)(17,28)(11,24)(12,25)(14,26)(17,28)(11,24)(12,25)(14,26)(17,28)(12,26)(17,28)(11,24)(12,25)(14,26)(17,28)(12,26)(17,28)(12,26)(17,28)(12,26)(17,28)(17$
- $P_{29} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), (1,18,5,19,6,29,16,7)(2,12,9,13,10,25,22,3)(4,27,14,28,15,32,26,17)(8,23,20,24,21,31,30,11)]) \\ \cong \text{C8} \times \text{C2}$
- $P_{30} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,11,6,24)(2,17,10,28)(3,4,13,15)(5,31,16,23)(7,8,19,21)(9,32,22,27)(12,26,25,14)(13,29,24,18)(12,17,25,28)]) \\ \cong Q_{10} = Q_$
- $P_{31} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,23)(12,23)(13,24)$
- $N_1 = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,23)(19,25)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(21,$ $N_2 = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,23)(19,25)(20,32)(21,28)(23,26)(27,30), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(13,24)(13,$
- $N_5 = Group([(1,14)(2,20)(3,23)(4,16)(5,15)(6,26)(7,27)(8,22)(9,21)(10,30)(11,25)(12,24)(13,31)(17,29)(18,28)(19,32), (1,46,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), (1,6)(2,10)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,19,16,18,6,7,5,29)(2,13,22,12,10,3,9,25)(4,28,26,27,15,17,14,32)(8,24,30,23,21,11,20,31)] \cong C8 \times C2$
- $N_7 = Group([(1,14)(2,20)(3,23)(4,16)(5,15)(6,26)(7,27)(8,22)(9,21)(10,30)(11,25)(12,24)(13,23)(17,29)(10,30)(11,25)(12,24)(13,23)(11,24)(12,25)(14,26)(17,27)(13,29)(14,31)(17,29)(18,22)(20,32)(21,24)(13,21)(17,29)(18,22)(21,24)(13,21)(17,29)(18,22)(21,24)(13,21)(17,29)(18,22)(21,24)(18,24)(18$

- $N_{10} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,23)(19,25)(20,23)(11,24)(12,25)(14,26)(7,17,19,28)(9,20,21,30)(11,23,24,31)(17,27,28,32)] \\ = (C4 \times C2) : C2 = (C4 \times C2) : C3 = (C4 \times C2) : C4 = (C4 \times C2)$
- $N_{11} = Group([(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(4,20,21,32)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), \\ (1,2)(3,12)(4,13)(2,13,24)(1,23,24,31)(17,27,28,32), \\ (1,2)(3,12)(4,13)(2,13,24)(1,23,24,31)(17,27,28,32), \\ (1,2)(3,12)(4,13)(2,13,24)(1,23,24,31)(17,27,28,32), \\ (1,2)(3,12)(4,13)(2,13,24)(13,24)$ $N_{12} = Group([(1,8,6,21)(2,4,10,15)(3,27,13,32)(5,30,16,20)(7,23,19,31)(9,26,22,14)(11,29,24,18)(12,17,25,28),(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(2,23)(11,24)(12,25)(14,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)] \\ \cong (C4 \times C2) : C2 + (1,2,2,2,2,23)(11,24)(12,25)(14,26)(12,23)(14,26)(12,23)(14,26)(12,23)(14,26)(12,23)(14,26$
- $N_{13} = Group([(1,3)(2,7)(4,11)(5,25)(6,13)(8,17)(9,29)(10,19)(12,25)(14,26)(17,29)(13,24)$ $N_{14} = Group([(1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,12,12,12), (1,12,12,12)(11,23,12)(11,23,12,12), (1,12,12)(11,23,12)(11$
- $N_{15} = Group([(1,11,6,24)(2,17,10,28)(3,4,13,15)(5,31,16,23)(7,8,19,21)(9,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(1,2,32)($
- $N_{16} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,23)(19,25)(20,23)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)] \\ \cong (C4 \times C2) : C2 + (C4 \times C2) : C3 + (C4 \times C2) : C4 + (C4 \times C2$ $N_{17} = Group([(1,8,6,21)(2,4,10,15)(3,27,13,32)(5,30,16,20)(7,23,19,31)(9,26,22,14)(11,29,24,18)(12,72,28,32), (1,5)(4,14)(12,25)(14,20)(23,24)(14,25)(1$
- $N_{18} = Group([(1,18,5,19,6,29,16,7)(2,12,9,13,10,25,22,3)(4,27,14,28,15,32,26,17)(8,23,20,24,21,31,30,11),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32)]) \\ \cong (C8 \times C2) : C2 (C3 \times C2) : C2 (C3 \times C2) : C3 \times C2 + (C3 \times C2) : C3 \times C2 + (C3 \times C2) : C4 \times C2 + (C3 \times C2) : C4 \times C2 + (C3 \times C2) : C4 \times C2 + (C4 \times C2) : C4 \times C$ $N_{19} = Group([(1,27,16,17,6,32,5,28)(2,23,22,11,10,31,92)(4,29,26,19,15,18,14,7),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32),(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(2,32)(21,28)(23,22)(11,10,31,24)(13,24)(13,24)(13,24)(14,25)(14,26)(14,24)(14,25)(14,26)(14,24)(14,25)(14,26)(14,24)(14,25)(14,26)(14,24)(14,25)(14,26)(14,24)(14,25)(14,26$

- $N_{22} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,24)(13,21)(17,22)(14,26)(17,23)(19,22)(11,24)(12,23)(14,26)(17,23)(19,22)(11,24)(12,23)(14,26)(17,23)(19,22)(11,24)(12,23)(14,26)(17,23)(19,22)(11,24)(12,23)(14,26)(17,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,22)(11,24)(12,23)(19,23)$
- $N_{23} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,23)(11,24)(12,25)(4,41,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5)(4,14)(5,24)(13,24)($ $N_{24} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,27)(23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(12,23,25,31)(18,27,29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(11,23,24,31)(17,27,28,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,12,12)(17,12,12)(17,12,12)(17,12,12)(17,12,12)(17,12,12)(17,12,12)(17,12,12)(17,12,12)(17,12)$
- $N_{26} = Group([(1,3)(2,7)(4,11)(5,25)(6,13)(8,17)(9,29)(10,19)(12,16)(14,25)(14,26)(17,28)(13,29)(14,20)(17,28)(13,29)(14,20)(17,28)(19,29)(19,19)$ $N_{27} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,27)(13,29)(14,30)(15,21)(17,23)(19,22)(21,28)(23,26)(27,30)(12,23,24,31)(17,27,28,32), \\ (1,4,6,15)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(12,20)(12,$
- $N_{28} = Group([(1,8,6,21)(2,4,10,15)(3,27,13,32)(5,30,16,20)(7,23,19,31)(9,26,22,14)(11,29,24,18)(12,72,28,32),(1,6)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(20,32)(21,28)(23,26)(27,30),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(10,19)(12,10)(13,10)(1$ $N_{29} = Group([(1,18,5,19,6,29,16,7)(2,12,9,13,10,25,22,3)(4,27,14,28,15,32,26,17)(8,23,20,24,21,31,30,11),(1,4,6,15)(2,9,10,21)(3,11,13,24)(5,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32),(1,5,6,16)(2,9,10,21)(3,11,13,24)(5,14,15,26)(7,19,18,29)(2,23,30)(12,23,25,31)(18,27,29,32),(1,5,6,16)(2,9,10,21)(3,11,13,24)(5,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32),(1,5,6,16)(2,9,10,21)(3,11,13,24)(5,14,15,26)(7,18,19,29)(8,20,21,30)(12,23,25,31)(18,27,29,32),(1,5,6,16)(2,9,10,21)(3,11,13,24)(5,14,15,26)(7,19,12)(11,24)(12,25)(14,26)(17,28)(13,24)(13$ $N_{30} = Group([(1,8,6,21)(2,4,10,15)(3,27,13,32)(5,30,16,20)(7,23,19,31)(9,26,22,14)(11,29,24,18)(12,17,25,28), (1,11,6,24)(2,17,10,28)(3,14,15)(5,31,16,23)(7,8,19,21)(9,22,27)(12,26,25,14)(18,30,29,20), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,16,23)(7,8,19,21)(9,22,27)(12,26,25,14)(18,30,29,20), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,16,23)(17,23)(19,25)(11,24)(12,25)(14,26)(17,24)(12,25)(14,26)(12,25)(12,26)(12,$
- $N_{31} = Group([(1,2)(3,18)(4,8)(5,22)(6,10)(7,12)(9,16)(11,27)(13,29)(14,30)(15,21)(17,23)(19,25)(20,32)(21,28)(23,26)(27,30)(11,23,24,31)(17,27,28,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(12,23,25,31)(18,27,29,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(12,23,25,31)(18,27,29,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(12,23,25,31)(18,27,29,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(9,20,21,30)(12,23,25,31)(18,27,29,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,17,19,28)(12,23,25)(14,20)(12,23,25,31)(18,27,29,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,19,12)(17$