The group G is isomorphic to the group labelled by [32, 12] in the Small Groups library.
Ordinary character table of $G \cong$ C4 : C8:

	$1a$	$8a$	$4a$	$2a$	$4b$	$2b$	$8b$	$8c$	$8d$	$4c$	$4d$	$4e$	$2c$	$4f$	$8e$	$8f$	$8g$	$4g$	$4h$	$8h$
χ_{1}	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_{2}	1	-1	-1	1	1	1	1	-1	-1	-1	-1	1	1	1	1	1	-1	-1	1	1
χ_{3}	1	-1	1	1	1	1	-1	-1	-1	1	1	1	1	1	-1	-1	-1	1	1	-1
χ_{4}	1	1	-1	1	1	1	-1	1	1	-1	-1	1	1	1	-1	-1	1	-1	1	-1
χ_{5}	1	$-E(4)$	-1	1	-1	1	$E(4)$	$E(4)$	$-E(4)$	1	-1	-1	1	-1	$-E(4)$	$E(4)$	$E(4)$	1	-1	$-E(4)$
χ_{6}	1	$E(4)$	-1	1	-1	1	$-E(4)$	$-E(4)$	$E(4)$	1	-1	-1	1	-1	$E(4)$	$-E(4)$	$-E(4)$	1	-1	$E(4)$
χ_{7}	1	$-E(4)$	1	1	-1	1	$-E(4)$	$E(4)$	$-E(4)$	-1	1	-1	1	-1	$E(4)$	$-E(4)$	$E(4)$	-1	-1	$E(4)$
χ_{8}	1	$E(4)$	1	1	-1	1	$E(4)$	$-E(4)$	$E(4)$	-1	1	-1	1	-1	$-E(4)$	$E(4)$	$-E(4)$	-1	-1	$-E(4)$
χ_{9}	1	$-E(8)$	-1	1	$E(4)$	-1	$E(8)$	$-E(8)^3$	$E(8)$	$-E(4)$	1	$E(4)$	-1	$-E(4)$	$E(8)^3$	$-E(8)$	$E(8)^3$	$E(4)$	$-E(4)$	$-E(8)^3$
χ_{10}	1	$-E(8)^3$	-1	1	$-E(4)$	-1	$E(8)^3$	$-E(8)$	$E(8)^3$	$E(4)$	1	$-E(4)$	-1	$E(4)$	$E(8)$	$-E(8)^3$	$E(8)$	$-E(4)$	$E(4)$	$-E(8)$
χ_{11}	1	$E(8)^3$	-1	1	$-E(4)$	-1	$-E(8)^3$	$E(8)$	$-E(8)^3$	$E(4)$	1	$-E(4)$	-1	$E(4)$	$-E(8)$	$E(8)^3$	$-E(8)$	$-E(4)$	$E(4)$	$E(8)$
χ_{12}	1	$E(8)$	-1	1	$E(4)$	-1	$-E(8)$	$E(8)^3$	$-E(8)$	$-E(4)$	1	$E(4)$	-1	$-E(4)$	$-E(8)^3$	$E(8)$	$-E(8)^3$	$E(4)$	$-E(4)$	$E(8)^3$
χ_{13}	1	$-E(8)$	1	1	$E(4)$	-1	$-E(8)$	$-E(8)^3$	$E(8)$	$E(4)$	-1	$E(4)$	-1	$-E(4)$	$-E(8)^3$	$E(8)$	$E(8)^3$	$-E(4)$	$-E(4)$	$E(8)^3$
χ_{14}	1	$-E(8)^3$	1	1	$-E(4)$	-1	$-E(8)^3$	$-E(8)$	$E(8)^3$	$-E(4)$	-1	$-E(4)$	-1	$E(4)$	$-E(8)$	$E(8)^3$	$E(8)$	$E(4)$	$E(4)$	$E(8)$
χ_{15}	1	$E(8)^3$	1	1	$-E(4)$	-1	$E(8)^3$	$E(8)$	$-E(8)^3$	$-E(4)$	-1	$-E(4)$	-1	$E(4)$	$E(8)$	$-E(8)^3$	$-E(8)$	$E(4)$	$E(4)$	$-E(8)$
χ_{16}	1	$E(8)$	1	1	$E(4)$	-1	$E(8)$	$E(8)^3$	$-E(8)$	$E(4)$	-1	$E(4)$	-1	$-E(4)$	$E(8)^3$	$-E(8)$	$-E(8)^3$	$-E(4)$	$-E(4)$	$-E(8)^3$
χ_{17}	2	0	0	-2	-2	2	0	0	0	0	0	2	-2	-2	0	0	0	0	2	0
χ_{18}	2	0	0	-2	2	2	0	0	0	0	0	-2	-2	2	0	0	0	0	-2	0
χ_{19}	2	0	0	-2	$-2*E(4)$	-2	0	0	0	0	0	$2*E(4)$	2	$2*E(4)$	0	0	0	0	$-2*E(4)$	0
χ_{20}	2	0	0	-2	$2*E(4)$	-2	0	0	0	0	0	$-2*E(4)$	2	$-2*E(4)$	0	0	0	0	$2*E(4)$	0

Trivial source character table of $G \cong$ C4 : C8 at $p = 2$:

Normalisers N_i	N_1	N_2	N_3	N_4	N_5	N_6	N_7	N_8	N_9	N_{10}	N_{11}	N_{12}	N_{13}	N_{14}	N_{15}	N_{16}	N_{17}	N_{18}	N_{19}
p-subgroups of G up to conjugacy in G	P_1	P_2	P_3	P_4	P_5	P_6	P_7	P_8	P_9	P_{10}	P_{11}	P_{12}	P_{13}	P_{14}	P_{15}	P_{16}	P_{17}	P_{18}	P_{19}
Representatives $n_j \in N_i$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 1 \cdot \chi_{9} + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 2 \cdot \chi_{17} + 2 \cdot \chi_{18} + 2 \cdot \chi_{19} + 2 \cdot \chi_{20}$	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 2 \cdot \chi_{17} + 2 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 1 \cdot \chi_{9} + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 2 \cdot \chi_{19} + 2 \cdot \chi_{20}$	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 2 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8	8	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8	8	8	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 2 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8	0	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 1 \cdot \chi_{9} + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	8	0	8	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{20}$	8	0	0	8	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 1 \cdot \chi_{3} + 1 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4	4	4	4	4	4	4	0	0	0	4	0	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 1 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4	4	4	4	0	4	0	4	4	0	0	4	0	0	0	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4	4	4	4	0	4	0	0	0	4	0	0	4	0	0	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 1 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4	4	0	0	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	4	4	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	2	0	0	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 1 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	2	2	2	2	2	2	2	0	0	0	2	0	0	2	0	0	2	0	0
$1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	2	2	2	2	2	2	2	0	0	0	2	0	0	0	2	0	0	2	0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

P_1 = *Group*([()]) ≅ 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)]) ≅ C2
P_3 = *Group*([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C2
P_4 = *Group*([(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29)]) ≅ C2
P_5 = *Group*([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (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)]) ≅ C4
P_6 = *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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C2 x C2
P_7 = *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), (1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29)]) ≅ C4
P_8 = *Group*([(1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C4
P_9 = *Group*([(1,13,4,24)(2,19,8,28)(3,15,11,6)(5,25,14,31)(7,21,17,10)(9,29,20,32)(12,26,23,16)(18,30,27,22), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C4
P_{10} = *Group*([(1,12,15,31)(2,18,21,32)(3,14,24,16)(4,23,6,25)(5,13,26,11)(7,20,28,22)(8,27,10,29)(9,19,30,17), (1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29)]) ≅ C4
P_{11} = *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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(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)]) ≅ C4 x C2
P_{12} = *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), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C4 x C2
P_{13} = *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), (1,12,15,31)(2,18,21,32)(3,14,24,16)(4,23,6,25)(5,13,26,11)(7,20,28,22)(8,27,10,29)(9,19,30,17), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C4 x C2
P_{14} = *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), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (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)]) ≅ C8
P_{15} = *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), (1,17,5,27,6,28,16,32)(2,23,9,24,10,31,22,11)(3,8,12,20,13,21,25,30)(4,7,14,18,15,19,26,29), (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)]) ≅ C8
P_{16} = *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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(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), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 x C4
P_{17} = *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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(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), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C8 x C2
P_{18} = *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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(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), (1,17,5,27,6,28,16,32)(2,23,9,24,10,31,22,11)(3,8,12,20,13,21,25,30)(4,7,14,18,15,19,26,29)]) ≅ C8 x C2
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)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(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), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8

N_1 = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(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), (1,6)(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)]) ≅ C4 : C8
N_2 = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(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), (1,6)(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)]) ≅ C4 : C8
N_3 = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(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), (1,6)(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)]) ≅ C4 : C8
N_4 = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(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), (1,6)(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)]) ≅ C4 : C8
N_5 = *Group*([(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)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 : C8
N_6 = *Group*([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (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), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 : C8
N_7 = *Group*([(1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 : C8
N_8 = *Group*([(1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8
N_9 = *Group*([(1,13,4,24)(2,19,8,28)(3,15,11,6)(5,25,14,31)(7,21,17,10)(9,29,20,32)(12,26,23,16)(18,30,27,22), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8
N_{10} = *Group*([(1,12,15,31)(2,18,21,32)(3,14,24,16)(4,23,6,25)(5,13,26,11)(7,20,28,22)(8,27,10,29)(9,19,30,17), (1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 x C4
N_{11} = *Group*([(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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 : C8
N_{12} = *Group*([(1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8
N_{13} = *Group*([(1,12,15,31)(2,18,21,32)(3,14,24,16)(4,23,6,25)(5,13,26,11)(7,20,28,22)(8,27,10,29)(9,19,30,17), (1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29), (1,6)(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), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8
N_{14} = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (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)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C8 x C2
N_{15} = *Group*([(1,17,5,27,6,28,16,32)(2,23,9,24,10,31,22,11)(3,8,12,20,13,21,25,30)(4,7,14,18,15,19,26,29), (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)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) ≅ C8 x C2
N_{16} = *Group*([(1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8
N_{17} = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32)]) ≅ C4 : C8
N_{18} = *Group*([(1,17,5,27,6,28,16,32)(2,23,9,24,10,31,22,11)(3,8,12,20,13,21,25,30)(4,7,14,18,15,19,26,29), (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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11)]) ≅ C4 : C8
N_{19} = *Group*([(1,2,5,9,6,10,16,22)(3,17,12,27,13,28,25,32)(4,8,14,20,15,21,26,30)(7,23,18,24,19,31,29,11), (1,3,4,11)(2,7,8,17)(5,12,14,23)(6,13,15,24)(9,18,20,27)(10,19,21,28)(16,25,26,31)(22,29,30,32), (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), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) ≅ C4 : C8