The group G is isomorphic to the group labelled by [32, 33] in the Small Groups library.
Ordinary character table of $G \cong$ (C4 x C4) : C2:

	$1a$	$2a$	$4a$	$4b$	$2b$	$2c$	$4c$	$4d$	$4e$	$4f$	$4g$	$2d$	$4h$	$4i$
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	$-2*E(4)$	0	2	−2	0	0	0	$2*E(4)$	0	−2	0	0
χ_{10}	2	0	$2*E(4)$	0	2	−2	0	0	0	$-2*E(4)$	0	−2	0	0
χ_{11}	2	0	0	0	−2	−2	0	0	$-2*E(4)$	0	0	2	0	$2*E(4)$
χ_{12}	2	0	0	0	−2	−2	0	0	$2*E(4)$	0	0	2	0	$-2*E(4)$
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 character table of $G \cong$ (C4 x C4) : C2 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}	N_{20}	N_{21}	N_{22}	N_{23}	N_{24}	N_{25}	N_{26}	N_{27}	N_{28}	N_{29}	N_{30}
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}	P_{20}	P_{21}	P_{22}	P_{23}	P_{24}	P_{25}	P_{26}	P_{27}	P_{28}	P_{29}	P_{30}
Representatives $n_j \in N_i$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$	$1a$
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+2\cdot\chi_9+2\cdot\chi_{10}+2\cdot\chi_{11}+2\cdot\chi_{12}+2\cdot\chi_{13}+2\cdot\chi_{14}$	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
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+2\cdot\chi_{11}+2\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	16	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
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+2\cdot\chi_{13}+2\cdot\chi_{14}$	16	0	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
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}$	16	0	0	0	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
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	8	8	0	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
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	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
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}$	8	0	0	8	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
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	0	8	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	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
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}$	8	0	0	8	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}$	8	0	0	8	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	0	8	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
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	4	4	4	4	0	0	0	0	0	0	4	4	4	4	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	4	0	0	0	0	4	0	0	0	0	0	4	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	4	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	4	4	0	4	0	0	4	0	0	0	0	0	0	0	0	0	4	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	4	0	0	0	4	0	0	0	0	0	0	0	0	0	4	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	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	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	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	2	2	2	2	2	2	0	0	2	2	0	0	2	2	2	2	0	0	2	2	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	2	2	0	2	0	0	2	0	2	2	2	2	2	0	0	0	0	2	0	2	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	2	2	2	2	2	2	2	0	0	0	0	2	2	2	2	2	0	2	0	0	2	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	2	0	2	0	2	0	2	0	0	0	0	0	2	0	2	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	2	2	0	2	2	0	0	2	2	0	0	0	0	0	2	0	0	2	2	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	2	2	0	2	2	2	2	0	0	0	0	0	0	0	0	0	2	0	2	2	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	2	2	0	2	0	0	2	0	2	2	0	0	0	0	2	2	2	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

P_1 = *Group*([()]) ≅ 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)]) ≅ C2
P_3 = *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)]) ≅ C2
P_4 = *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_5 = *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)]) ≅ C2
P_6 = *Group*([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), (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)]) ≅ C2 x C2
P_7 = *Group*([(1,32,5,28)(2,31,9,24)(3,20,12,8)(4,7,14,18)(6,27,16,17)(10,23,22,11)(13,30,25,21)(15,19,26,29), (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)]) ≅ C4
P_8 = *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)]) ≅ C4
P_9 = *Group*([(1,18,6,29)(2,12,10,25)(3,22,13,9)(4,32,15,27)(5,7,16,19)(8,31,21,23)(11,20,24,30)(14,28,26,17), (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
P_{10} = *Group*([(1,3,16,25)(2,7,22,29)(4,11,26,31)(5,12,6,13)(8,17,30,32)(9,18,10,19)(14,23,15,24)(20,27,21,28), (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)]) ≅ C4
P_{11} = *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)]) ≅ C4
P_{12} = *Group*([(1,11,6,24)(2,17,10,28)(3,26,13,14)(4,12,15,25)(5,23,16,31)(7,30,19,20)(8,18,21,29)(9,27,22,32), (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
P_{13} = *Group*([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) ≅ C2 x C2
P_{14} = *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), (1,5)(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)]) ≅ C2 x C2
P_{15} = *Group*([(1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27), (1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28)]) ≅ C2 x C2
P_{16} = *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), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27)]) ≅ C2 x C2 x C2
P_{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), (1,5)(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), (1,21,16,20)(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)]) ≅ C4 x C2
P_{18} = *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), (1,5)(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), (1,11,6,24)(2,17,10,28)(3,26,13,14)(4,12,15,25)(5,23,16,31)(7,30,19,20)(8,18,21,29)(9,27,22,32)]) ≅ C4 x C2
P_{19} = *Group*([(1,16)(2,22)(3,25)(4,26)(5,6)(7,29)(8,30)(9,10)(11,31)(12,13)(14,15)(17,32)(18,19)(20,21)(23,24)(27,28), (1,5)(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), (1,18,6,29)(2,12,10,25)(3,22,13,9)(4,32,15,27)(5,7,16,19)(8,31,21,23)(11,20,24,30)(14,28,26,17)]) ≅ C4 x C2
P_{20} = *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), (1,5)(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), (1,3,16,25)(2,7,22,29)(4,11,26,31)(5,12,6,13)(8,17,30,32)(9,18,10,19)(14,23,15,24)(20,27,21,28)]) ≅ C4 x C2
P_{21} = *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), (1,5)(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), (1,32,5,28)(2,31,9,24)(3,20,12,8)(4,7,14,18)(6,27,16,17)(10,23,22,11)(13,30,25,21)(15,19,26,29)]) ≅ C4 x C2
P_{22} = *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), (1,5)(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), (1,4,5,14)(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)]) ≅ C4 x C2
P_{23} = *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), (1,5)(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), (1,3,16,25)(2,7,22,29)(4,11,26,31)(5,12,6,13)(8,17,30,32)(9,18,10,19)(14,23,15,24)(20,27,21,28), (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)]) ≅ (C4 x C2) : C2
P_{24} = *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), (1,5)(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), (1,4,5,14)(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), (1,2)(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)]) ≅ (C4 x C2) : C2
P_{25} = *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), (1,5)(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), (1,11,6,24)(2,17,10,28)(3,26,13,14)(4,12,15,25)(5,23,16,31)(7,30,19,20)(8,18,21,29)(9,27,22,32), (1,2)(3,18)(4,21)(5,9)(6,10)(7,12)(8,15)(11,32)(13,29)(14,30)(16,22)(17,31)(19,25)(20,26)(23,28)(24,27)]) ≅ (C4 x C2) : C2
P_{26} = *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), (1,5)(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), (1,4,5,14)(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), (1,3,16,25)(2,7,22,29)(4,11,26,31)(5,12,6,13)(8,17,30,32)(9,18,10,19)(14,23,15,24)(20,27,21,28)]) ≅ C4 x C4
P_{27} = *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), (1,5)(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), (1,3,16,25)(2,7,22,29)(4,11,26,31)(5,12,6,13)(8,17,30,32)(9,18,10,19)(14,23,15,24)(20,27,21,28), (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)]) ≅ C4 : C4
P_{28} = *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), (1,5)(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), (1,4,5,14)(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), (1,18,6,29)(2,12,10,25)(3,22,13,9)(4,32,15,27)(5,7,16,19)(8,31,21,23)(11,20,24,30)(14,28,26,17)]) ≅ C4 : C4
P_{29} = *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), (1,5)(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), (1,11,6,24)(2,17,10,28)(3,26,13,14)(4,12,15,25)(5,23,16,31)(7,30,19,20)(8,18,21,29)(9,27,22,32), (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)]) ≅ C4 : C4
P_{30} = *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), (1,5)(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), (1,4,5,14)(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), (1,3,16,25)(2,7,22,29)(4,11,26,31)(5,12,6,13)(8,17,30,32)(9,18,10,19)(14,23,15,24)(20,27,21,28), (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)]) ≅ (C4 x C4) : C2

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