The group G is isomorphic to the group labelled by [32, 41] in the Small Groups library.
Ordinary character table of $G \cong$ C2 x Q16:

	$1a$	$4a$	$4b$	$2a$	$4c$	$2b$	$8a$	$4d$	$4e$	$4f$	$2c$	$8b$	$8c$	$8d$
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
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	-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
χ_{11}	2	0	0	-2	0	-2	$-E(8)+E(8)^3$	0	0	0	2	$E(8)-E(8)^3$	$E(8)-E(8)^3$	$-E(8)+E(8)^3$
χ_{12}	2	0	0	-2	0	-2	$E(8)-E(8)^3$	0	0	0	2	$-E(8)+E(8)^3$	$-E(8)+E(8)^3$	$E(8)-E(8)^3$
χ_{13}	2	0	0	2	0	-2	$-E(8)+E(8)^3$	0	0	0	-2	$-E(8)+E(8)^3$	$E(8)-E(8)^3$	$E(8)-E(8)^3$
χ_{14}	2	0	0	2	0	-2	$E(8)-E(8)^3$	0	0	0	-2	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	$-E(8)+E(8)^3$

Trivial source character table of $G \cong$ C2 x Q16 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
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+2\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+2\cdot\chi_{13}+2\cdot\chi_{14}$	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
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+2\cdot\chi_{10}+2\cdot\chi_{11}+2\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	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
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	0	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
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+2\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+2\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	8	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	0	0	0	0	0	0	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	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
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	8	8	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	4	4	0	4	4	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	0	0	4	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	0	0	0	0	4	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	0	0	0	0	4	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	4	4	0	0	0	4	0	2	2	0	0	0	0	2	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	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}$	4	4	0	0	2	4	0	0	2	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	4	4	2	0	0	4	2	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	0	0	0	4	0	0	0	2	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	0	0	0	0	4	0	0	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	2	0	2	2	2	0	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	0	0	0	0	2	0	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	2	2	2	2	2	2	2	0	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	0	0	2	0	2	0	0	2	0	0	2	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	0	2	0	2	0	0	0	2	0	2	0	2	0	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	2	2	0	2	2	2	0	0	0	2	0	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	2	0	2	0	2	0	0	2	2	0	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

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong$ C2
$P_3 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2
$P_4 = Group([(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29)]) \cong$ C2
$P_5 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C4
$P_6 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29)]) \cong$ C4
$P_7 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C4
$P_8 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x C2
$P_9 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30)]) \cong$ C4
$P_{10} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C4
$P_{11} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28)]) \cong$ C4
$P_{12} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C4 x C2
$P_{13} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ Q8
$P_{14} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30)]) \cong$ Q8
$P_{15} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28)]) \cong$ Q8
$P_{16} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C4 x C2
$P_{17} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,18,5,19,6,29,16,7)(2,25,9,3,10,12,22,13)(4,27,14,28,15,32,26,17)(8,31,20,11,21,23,30,24)]) \cong$ C8
$P_{18} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,27,5,28,6,32,16,17)(2,31,9,11,10,23,22,24)(3,21,12,30,13,8,25,20)(4,18,14,19,15,29,26,7)]) \cong$ C8
$P_{19} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ Q8
$P_{20} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C4 x C2
$P_{21} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ Q8
$P_{22} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ Q8
$P_{23} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C2 x Q8
$P_{24} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ Q16
$P_{25} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q8
$P_{26} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ Q16
$P_{27} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28)]) \cong$ Q16
$P_{28} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,18,5,19,6,29,16,7)(2,25,9,3,10,12,22,13)(4,27,14,28,15,32,26,17)(8,31,20,11,21,23,30,24)]) \cong$ C8 x C2
$P_{29} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30), (1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28)]) \cong$ Q16
$P_{30} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C2 x Q16

$N_1 = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong$ C2 x Q16
$N_2 = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong$ C2 x Q16
$N_3 = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong$ C2 x Q16
$N_4 = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong$ C2 x Q16
$N_5 = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C2 x Q8
$N_6 = Group([(1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_7 = Group([(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q16
$N_8 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_9 = Group([(1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C2 x Q8
$N_{10} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C2 x Q8
$N_{11} = Group([(1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C2 x Q8
$N_{12} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_{13} = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q16
$N_{14} = Group([(1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_{15} = Group([(1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_{16} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C2 x Q8
$N_{17} = Group([(1,18,5,19,6,29,16,7)(2,25,9,3,10,12,22,13)(4,27,14,28,15,32,26,17)(8,31,20,11,21,23,30,24), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q16
$N_{18} = Group([(1,27,5,28,6,32,16,17)(2,31,9,11,10,23,22,24)(3,21,12,30,13,8,25,20)(4,18,14,19,15,29,26,7), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_{19} = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q8
$N_{20} = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32)]) \cong$ C2 x Q8
$N_{21} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,14,6,26)(2,20,10,30)(3,23,13,31)(4,5,15,16)(7,27,19,32)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q8
$N_{22} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q16
$N_{23} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_{24} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27)]) \cong$ C2 x Q16
$N_{25} = Group([(1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C2 x Q16
$N_{26} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong$ C2 x Q16
$N_{27} = Group([(1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C2 x Q16
$N_{28} = Group([(1,18,5,19,6,29,16,7)(2,25,9,3,10,12,22,13)(4,27,14,28,15,32,26,17)(8,31,20,11,21,23,30,24), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C2 x Q16
$N_{29} = Group([(1,8,6,21)(2,15,10,4)(3,27,13,32)(5,30,16,20)(7,31,19,23)(9,14,22,26)(11,18,24,29)(12,17,25,28), (1,11,6,24)(2,17,10,28)(3,15,13,4)(5,31,16,23)(7,21,19,8)(9,32,22,27)(12,14,25,26)(18,20,29,30), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23)]) \cong$ C2 x Q16
$N_{30} = Group([(1,2,6,10)(3,18,13,29)(4,8,15,21)(5,22,16,9)(7,25,19,12)(11,27,24,32)(14,30,26,20)(17,31,28,23), (1,3,6,13)(2,7,10,19)(4,11,15,24)(5,25,16,12)(8,17,21,28)(9,29,22,18)(14,31,26,23)(20,32,30,27), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong$ C2 x Q16