The group G is isomorphic to the group labelled by [32, 14] in the Small Groups library.

Ordinary character table of $G \cong C8 : C4$:

	1a	4a	8a	4b	2a	2b	4c	4d	8b	8c	4e	2c	4f	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	$-E(4)$	-1	1	-1	1	$E(4)$	$E(4)$	1	-1	-1	-1	$-E(4)$	1
χ_6	1	$E(4)$	-1	1	-1	1	$-E(4)$	$-E(4)$	1	-1	-1	-1	$E(4)$	1
χ_7	1	$-E(4)$	1	1	-1	1	$-E(4)$	$E(4)$	-1	1	-1	-1	$E(4)$	-1
χ_8	1	$E(4)$	1	1	-1	1	$E(4)$	$-E(4)$	-1	1	-1	-1	$-E(4)$	-1
χ_9	2	0	0	-2	-2	2	0	0	0	0	2	-2	0	0
χ_{10}	2	0	0	-2	2	2	0	0	0	0	-2	2	0	0
χ_{11}	2	0	$-E(8)+E(8)^3$	0	-2	-2	0	0	$E(8)-E(8)^3$	$E(8)-E(8)^3$	0	2	0	$-E(8)+E(8)^3$
χ_{12}	2	0	$E(8)-E(8)^3$	0	-2	-2	0	0	$-E(8)+E(8)^3$	$-E(8)+E(8)^3$	0	2	0	$E(8)-E(8)^3$
χ_{13}	2	0	$-E(8)+E(8)^3$	0	2	-2	0	0	$-E(8)+E(8)^3$	$E(8)+E(8)^3$	0	-2	0	$E(8)-E(8)^3$
χ_{14}	2	0	$E(8)-E(8)^3$	0	2	-2	0	0	$E(8)-E(8)^3$	$-E(8)+E(8)^3$	0	-2	0	$-E(8)+E(8)^3$

Trivial source character table of $G \cong C8 : C4$ 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}
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}
Representatives $n_j \in N_i$	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
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14}$	16	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 2 \cdot \chi_{10} + 2 \cdot \chi_{11} + 2 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	16	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 2 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	8	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8	0	8	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	8	0	8	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	4	4	4	4	4	0	0	4	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	4	4	4	0	0	0	0	0	4	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	0	4	0	0	0	0	0	4	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	0	0	0	4	0	0	0	0	0	0	4	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	4	4	4	0	2	0	0	0	0	0	0	2	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	4	4	4	4	4	0	2	0	0	0	0	0	0	0	2	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	2	2	2	2	0	0	0	2	2	2	0	0	2	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	2	2	2	2	2	0	0	2	0	0	2	0	0	2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	2	2	2	2	2	2	0	0	0	2	0	0	0	0	2	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

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

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

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

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

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

$P_6 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,15,6,4)(2,21,10,8)(3,24,13,11)(5,26,16,14)(7,28,19,17)(9,30,22,20)(12,31,25,23)(18,32,29,27)]) \cong C4$

$P_7 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,26,6,14)(2,30,10,20)(3,31,13,23)(4,5,15,16)(7,32,19,27)(8,9,21,22)(11,12,24,25)(17,18,28,29)]) \cong C4$

$P_8 = Group([(1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C4$

$P_9 = Group([(1,17,5,27)(2,23,9,11)(3,8,12,20)(4,7,14,18)(6,28,16,32)(10,31,22,24)(13,21,25,30)(15,19,26,29), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C4$

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

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

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

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

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

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

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

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

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

$N_1 = Group([(1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27), (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32)]) \cong C8 : C4$

$N_2 = Group([(1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27), (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32)]) \cong C8 : C4$

$N_3 = Group([(1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27), (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32)]) \cong C8 : C4$

$N_4 = Group([(1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27), (1,4,6,15)(2,8,10,21)(3,11,13,24)(5,14,16,26)(7,17,19,28)(9,20,22,30)(12,23,25,31)(18,27,29,32)]) \cong C8 : C4$

$N_5 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27)]) \cong C8 : C4$

$N_6 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27)]) \cong C8 : C4$

$N_7 = Group([(1,26,6,14)(2,30,10,20)(3,31,13,23)(4,5,15,16)(7,32,19,27)(8,9,21,22)(11,12,24,25)(17,18,28,29), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32), (1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24), (1,3,15,24,6,13,4,11)(2,7,21,28,10,19,8,17)(5,12,26,31,16,25,14,23)(9,18,30,32,22,29,20,27)]) \cong C8 : C4$

$N_8 = Group([(1,2,5,9)(3,17,12,27)(4,21,14,30)(6,10,16,22)(7,23,18,11)(8,26,20,15)(13,28,25,32)(19,31,29,24)]) \cong C4 : C4$

$N_9 = Group([(1,17,5,27)(2,23,9,11)(3,8,12,20)(4,7,14,18)(6,28,16,32)(10,31,22,24)(13,21,25,30)(15,19,26,29), (1,5)(2,9)(3,12)(4,14)(6,16)(7,18)(8,20)(10,22)(11,23)(13,25)(15,26)(17,27)(19,29)(21,30)(24,31)(28,32), (1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong C4 \times C2$

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

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

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

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

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

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

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

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

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