The group G is isomorphic to the group labelled by [48, 16] in the Small Groups library.
Ordinary character table of $G \cong$ (C3 : Q8) : C2:

	$1a$	$4a$	$2a$	$4b$	$2b$	$3a$	$8a$	$6a$	$12a$	$6b$	$8b$	$6c$
χ_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
χ_3	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
χ_5	2	0	0	−2	2	2	0	0	−2	2	0	0
χ_6	2	0	−2	2	2	−1	0	1	−1	−1	0	1
χ_7	2	0	2	2	2	−1	0	−1	−1	−1	0	−1
χ_8	2	0	0	0	−2	2	$-E(8) - E(8)^3$	0	0	−2	$E(8) + E(8)^3$	0
χ_9	2	0	0	0	−2	2	$E(8) + E(8)^3$	0	0	−2	$-E(8) - E(8)^3$	0
χ_{10}	2	0	0	−2	2	−1	0	$-E(3) + E(3)^2$	1	−1	0	$E(3) - E(3)^2$
χ_{11}	2	0	0	−2	2	−1	0	$E(3) - E(3)^2$	1	−1	0	$-E(3) + E(3)^2$
χ_{12}	4	0	0	0	−4	−2	0	0	0	2	0	0

Trivial source character table of $G \cong$ (C3 : Q8) : 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}
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}
Representatives $n_j \in N_i$	$1a$	$3a$	$1a$	$3a$	$1a$	$3b$	$3a$	$1a$	$3a$	$1a$	$3a$	$3b$	$1a$	$1a$	$3a$	$1a$	$1a$	$1a$
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 2 \cdot \chi_8 + 2 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	16	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 2 \cdot \chi_{12}$	16	−8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 2 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	−4	8	−4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	8	8	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12}$	8	−4	0	0	2	$2 * E(3)^2$	$2 * E(3)$	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12}$	8	−4	0	0	2	$2 * E(3)$	$2 * E(3)^2$	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	0	4	4	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	−2	4	−2	0	0	0	4	−2	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	2	2	2	0	0	2	2	2	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	−2	4	−2	2	$2 * E(3)$	$2 * E(3)^2$	0	0	2	$2 * E(3)^2$	$2 * E(3)$	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	−2	4	−2	2	$2 * E(3)^2$	$2 * E(3)$	0	0	2	$2 * E(3)$	$2 * E(3)^2$	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	4	4	4	4	0	0	0	0	0	0	0	0	2	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	2	2	2	2	2	2	2	2	0	2	2	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	−1	2	−1	2	−1	−1	2	−1	2	−1	−1	0	2	−1	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	0	0	0	2	2	0	0	0	2	0	0	2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	2	2	2	2	0	0	0	2	2	0	0	0	0	0	0	0	2	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong$ C2
$P_3 = Group([(1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46)]) \cong$ C2
$P_4 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48)]) \cong$ C4
$P_5 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46)]) \cong$ C2 x C2
$P_6 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)]) \cong$ C4
$P_7 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46)]) \cong$ D8
$P_8 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)]) \cong$ Q8
$P_9 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,18,14,7,5,32,4,19)(2,25,21,12,9,11,8,3)(6,44,29,35,16,48,15,45)(10,47,36,41,23,40,22,28)(13,24,39,46,27,38,26,37)(17,33,42,20,31,43,30,34)]) \cong$ C8
$P_{10} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)]) \cong$ QD16

$N_1 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ (C3 : Q8) : C2
$N_2 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ (C3 : Q8) : C2
$N_3 = Group([(1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,17,6)(2,24,10)(3,28,13)(4,30,15)(5,31,16)(7,35,20)(8,37,22)(9,38,23)(11,40,26)(12,41,27)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)]) \cong$ C6 x C2
$N_4 = Group([(1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ (C3 : Q8) : C2
$N_5 = Group([(1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ C3 x D8
$N_6 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48)]) \cong$ Q8
$N_7 = Group([(1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ (C3 : Q8) : C2
$N_8 = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46)]) \cong$ QD16
$N_9 = Group([(1,18,14,7,5,32,4,19)(2,25,21,12,9,11,8,3)(6,44,29,35,16,48,15,45)(10,47,36,41,23,40,22,28)(13,24,39,46,27,38,26,37)(17,33,42,20,31,43,30,34), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43)]) \cong$ QD16
$N_{10} = Group([(1,2,5,9)(3,18,12,32)(4,21,14,8)(6,24,16,38)(7,25,19,11)(10,31,23,17)(13,44,27,48)(15,46,29,37)(20,47,34,40)(22,30,36,42)(26,35,39,45)(28,33,41,43), (1,3)(2,7)(4,25)(5,12)(6,13)(8,32)(9,19)(10,20)(11,14)(15,39)(16,27)(17,28)(18,21)(22,43)(23,34)(24,35)(26,29)(30,47)(31,41)(33,36)(37,48)(38,45)(40,42)(44,46), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong$ QD16