The group G is isomorphic to the group labelled by [48, 30] in the Small Groups library.
Ordinary character table of $G \cong \mathrm{A4} : \mathrm{C4}$:

Trivial source character table of $G \cong \mathrm{A4} : \mathrm{C4}$ 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}
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}
Representatives $n_j \in N_i$	$1a$	$3a$	$1a$	$1a$	$3a$	$1a$	$1a$	$3a$	$1a$	$1a$	$1a$	$1a$	$1a$	$3a$	$1a$	$1a$	$1a$
$1\cdot\chi_1 + 1\cdot\chi_2 + 1\cdot\chi_3 + 1\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 1\cdot\chi_9 + 1\cdot\chi_{10}$	16	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 1\cdot\chi_5 + 1\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 1\cdot\chi_9 + 1\cdot\chi_{10}$	16	−2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 1\cdot\chi_3 + 1\cdot\chi_4 + 2\cdot\chi_5 + 2\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 1\cdot\chi_9 + 1\cdot\chi_{10}$	24	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	8	2	0	8	2	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	8	−1	0	8	−1	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 2\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 2\cdot\chi_9 + 2\cdot\chi_{10}$	24	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 1\cdot\chi_3 + 1\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	4	4	4	0	0	0	4	4	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 1\cdot\chi_5 + 1\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	4	−2	4	0	0	0	4	−2	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 2\cdot\chi_6 + 1\cdot\chi_7 + 1\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	12	0	4	12	0	4	0	0	4	0	0	0	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 2\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 1\cdot\chi_9 + 1\cdot\chi_{10}$	12	0	4	0	0	8	0	0	0	4	0	0	0	0	0	0	0
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 1\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	4	1	0	4	1	0	0	0	0	0	2	0	0	0	0	0	0
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 1\cdot\chi_7 + 0\cdot\chi_8 + 1\cdot\chi_9 + 1\cdot\chi_{10}$	12	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	0
$1\cdot\chi_1 + 1\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	2	2	2	2	2	2	2	2	2	2	0	0	2	2	0	0	0
$0\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	2	−1	2	2	−1	2	2	−1	2	2	0	0	2	−1	0	0	0
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 0\cdot\chi_7 + 1\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	6	0	2	6	0	2	0	0	2	0	2	0	0	0	2	0	0
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 1\cdot\chi_6 + 1\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	6	0	2	6	0	2	0	0	2	0	0	2	0	0	0	2	0
$1\cdot\chi_1 + 0\cdot\chi_2 + 0\cdot\chi_3 + 0\cdot\chi_4 + 0\cdot\chi_5 + 0\cdot\chi_6 + 0\cdot\chi_7 + 0\cdot\chi_8 + 0\cdot\chi_9 + 0\cdot\chi_{10}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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

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

	$1a$	$4a$	$2a$	$3a$	$2b$	$4b$	$4c$	$6a$	$2c$	$4d$
χ_1	1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	1	1	1	-1	-1	1	1	-1
χ_3	1	$-E(4)$	-1	1	1	$E(4)$	$-E(4)$	-1	-1	$E(4)$
χ_4	1	$E(4)$	-1	1	1	$-E(4)$	$E(4)$	-1	-1	$-E(4)$
χ_5	2	0	-2	-1	2	0	0	1	-2	0
χ_6	2	0	2	-1	2	0	0	-1	2	0
χ_7	3	-1	3	0	-1	-1	1	0	-1	1
χ_8	3	1	3	0	-1	1	-1	0	-1	-1
χ_9	3	$-E(4)$	-3	0	-1	$E(4)$	$E(4)$	0	1	$-E(4)$
χ_{10}	3	$E(4)$	-3	0	-1	$-E(4)$	$-E(4)$	0	1	$E(4)$

9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26, 27)(29, 30)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44)]) ≅ C2 x C2
9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26, 27)(29, 30)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44)]) ≅ C2 x C2
0, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48)]) ≅ C2 x C2
25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48)]) ≅ C4
20)(10, 19)(11, 31)(14, 47)(15, 27)(16, 26)(18, 38)(21, 48)(22, 34)(23, 33)(25, 42)(29, 40)(30, 39)(32, 46)(36, 44)(37, 43)]) ≅ C4
10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 17)(2, 24)(3, 28)(4, 31)(5, 6)(7, 35)(8, 38)(9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26,
, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 17)(2, 24)(3, 28)(4, 31)(5, 6)(7, 35)(8, 38)(9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26, 27)(29, 3
, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 17)(2, 24)(3, 28)(4, 31)(5, 6)(7, 35)(8, 38)(9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26, 27)(29, 3
10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 17)(2, 24)(3, 28)(4, 31)(5, 6)(7, 35)(8, 38)(9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26,

, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)
19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41
, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)
19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41
0, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23,
0, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23,
)(8, 45)(9, 20)(10, 19)(11, 31)(14, 47)(15, 27)(16, 26)(18, 38)(21, 48)(22, 34)(23, 33)(25, 42)(29, 40)(30, 39)(32, 46)(36, 44)(37, 43), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30,
, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 17)(2, 24)(3, 28)(4, 31)(5, 6)(7, 35)(8, 38)(9, 10)(11, 41)(12, 13)(14, 42)(15, 16)(18, 45)(19, 20)(21, 46)(22, 23)(25, 47)(26, 27)(29, 30
, 20)(10, 19)(11, 31)(14, 47)(15, 27)(16, 26)(18, 38)(21, 48)(22, 34)(23, 33)(25, 42)(29, 40)(30, 39)(32, 46)(36, 44)(37, 43), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41
10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30
3, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 4
41, 44)(5, 24, 13, 7)(8, 39, 45, 30)(11, 43, 31, 37)(14, 22, 47, 34)(15, 46, 27, 32)(16, 21, 26, 48)(18, 29, 38, 40)(23, 25, 33, 42), (1, 28)(2, 35)(3, 17)(4, 41)(5, 13)(6, 12)(7, 24)(8, 45)(9, 20)(10, 19)(11, 31)(14, 47)(15, 27)(16, 26)(18, 38)(21, 48)(22, 34)(23, 33)(25, 4
1, 27)(12, 28)(14, 30)(15, 31)(18, 34)(19, 35)(21, 37)(22, 38)(25, 40)(26, 41)(29, 42)(32, 44)(33, 45)(36, 46)(39, 47)(43, 48), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 4

27)(29, 30)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44)]) ≅ C2 x C2 x C2

0)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44)]) ≅ C4 x C2

0)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44)]) ≅ C4 x C2

27)(29, 30)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44), (1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42)]) ≅ (C4 x C2) : C2

(22, 37, 24)(26, 40, 28)(33, 44, 35), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 6)(2, 10)(3, 13)(4, 16)(5,

1)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48)]) ≅ (C4 x C2) : C2

(22, 37, 24)(26, 40, 28)(33, 44, 35), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 6)(2, 10)(3, 13)(4, 16)(5,

1)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 17)(2, 24)(3, 28)(4

39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 4, 14)(2, 8, 21)(3, 11, 25)(5, 16, 42)(6, 31, 29)(7, 18, 32)(9, 23, 46)(10, 38, 36)(12, 27, 47)(13, 41, 39)(15, 30, 17)(19, 34, 48)(20, 45, 43)(22, 37, 24)(26, 40, 28)(33, 44, 35)]) ≅ A4 : C4

39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48)]) ≅ (C4 x C2) : C2

40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 21, 3, 32)(2, 25, 7, 14)(4, 8, 11, 18)(5, 36, 12, 43)(6, 46, 13, 48)(9, 39, 19, 29)(10, 47, 20, 42)(15, 22, 26, 33)(16, 38, 27, 45)(17, 37, 28, 44)(23, 41, 34, 31)(24, 40, 35, 30)]) ≅ (C4 x C2) : C2

0)(32, 48)(33, 34)(36, 37)(39, 40)(43, 44)]) ≅ C4 x C2

1)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48)]) ≅ C4 x C2

, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42), (1, 4, 14)(2, 8, 21)(3,

1)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48), (1, 5)(2, 9)(3, 12)(4, 15)(6, 17)(7, 19)(8, 22)(10, 24)(11, 26)(13, 28)(14, 29)(16, 31)(18, 33)(20, 35)(21, 36)(23, 38)(25, 39)(27, 41)(30, 42)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48)]) ≅ (C4 x C2) : C2

2)(29, 40)(30, 39)(32, 46)(36, 44)(37, 43), (1, 2, 3, 7)(4, 21, 11, 32)(5, 10, 12, 20)(6, 9, 13, 19)(8, 25, 18, 14)(15, 37, 26, 44)(16, 36, 27, 43)(17, 24, 28, 35)(22, 40, 33, 30)(23, 39, 34, 29)(31, 46, 41, 48)(38, 47, 45, 42)]) ≅ (C4 x C2) : C2

2)(32, 43)(34, 45)(37, 46)(40, 47)(44, 48), (1, 3)(2, 7)(4, 11)(5, 12)(6, 13)(8, 18)(9, 19)(10, 20)(14, 25)(15, 26)(16, 27)(17, 28)(21, 32)(22, 33)(23, 34)(24, 35)(29, 39)(30, 40)(31, 41)(36, 43)(37, 44)(38, 45)(42, 47)(46, 48)]) ≅ (C4 x C2) : C2

$17)(7,20)(8,23)(9,24)(11,27)(12,28)(14,30)(15,31)(18,34)(19,35)(21,37)(22,38)(25,40)(26,41)(29,42)(32,44)(33,45)(36,46)(39,47)(43,48)]) \cong \mathrm{A4} : \mathrm{C4}$

$17)(7,20)(8,23)(9,24)(11,27)(12,28)(14,30)(15,31)(18,34)(19,35)(21,37)(22,38)(25,40)(26,41)(29,42)(32,44)(33,45)(36,46)(39,47)(43,48)]) \cong \mathrm{A4} : \mathrm{C4}$
$,31)(5,6)(7,35)(8,38)(9,10)(11,41)(12,13)(14,42)(15,16)(18,45)(19,20)(21,46)(22,23)(25,47)(26,27)(29,30)(32,48)(33,34)(36,37)(39,40)(43,44)]) \cong (\mathrm{C4\ x\ C2}) : \mathrm{C2}$

$11,25)(5,16,42)(6,31,29)(7,18,32)(9,23,46)(10,38,36)(12,27,47)(13,41,39)(15,30,17)(19,34,48)(20,45,43)(22,37,24)(26,40,28)(33,44,35)]) \cong \mathrm{A4} : \mathrm{C4}$