Ordinary character table of $G \cong (C4 \times S3) : C2$:

 $|\gamma_5|$ 1 -1 1 1 1 1 -1 -1 1 1 1 -1 -1 1 $|\chi_8|$ 1 1 1 -1 1 1 1 -1 1 -1 1 -1 1 -1 $|\chi_{10}|$ 2 0 -2 2 2 -1 0 0 -2 1 -1 -1 0 0 1 $|\chi_{11}| 2 \quad 0 \quad 2 \quad -2 \quad 2 \quad -1 \quad 0 \quad 0 \quad -2 \quad -1 \quad 1 \quad -1 \quad 0 \quad 0$ $|\chi_{12}|$ 2 0 2 2 2 -1 0 0 2 -1 -1 0 0 -1 $\chi_{15} \mid 4 \quad 0 \quad 0 \quad 0 \quad -4 \quad -2 \quad 0 \quad 0 \quad 0 \quad 0 \quad 2 \quad 0 \quad 0 \quad 0$ Trivial source character table of $G \cong (C4 \times S3)$: C2 at p = 2p-subgroups of G up to conjugacy in GRepresentatives $n_i \in N_i$

 $P_1 = Group([()]) \cong 1$ $P_2 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong \mathbb{C}_2$

 $P_3 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,18)(9,21)(10,22)(12,25)(13,26)(16,29)(17,30)(19,32)(20,33)(23,36)(24,37)(27,39)(28,40)(31,42)(34,43)(35,44)(38,46)(41,47)(45,48)]) \cong \mathbb{C}_2$ $P_4 = Group([(1,25)(2,32)(3,4)(5,11)(6,39)(7,8)(9,18)(10,43)(12,14)(13,15)(16,26)(17,47)(19,21)(20,22)(23,33)(24,48)(27,29)(28,30)(31,40)(34,36)(35,37)(38,44)(41,42)(45,46)]) \cong \mathbb{C}_2$ $P_5 = Group([(1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,38)(18,25)(20,28)(22,42)(23,31)(26,48)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong C2$

 $P_6 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,37)(27,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4)(2,8)(3,11)(5,14)(6,15)(7,18)(9,21)(10,22)(12,25)(13,26)(14,32)(20,33)(23,36)(24,37)(27,39)(28,40)(31,42)(34,43)(35,44)(38,46)(41,47)(45,48)] \\ \cong C_2 \times C_2 \times C_3 \times C_3 \times C_4 \times C_4$ $P_7 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,3,5,12)(2,7,9,19)(4,25,14,11)(6,13,16,27)(8,32,21,18)(10,20,23,34)(15,39,29,26)(17,28,31,41)(22,43,36,33)(24,35,38,45)(30,47,42,40)(37,48,46,44)]) \cong C4$

 $\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}} \boxed{4} \qquad \boxed{4} \qquad \boxed{4} \qquad \boxed{0} \qquad$

 $\frac{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 + 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} + 0 \cdot \chi_{15}}{2 \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} + 0 \cdot \chi_{15}}{2 \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} + 0 \cdot \chi_{15}}{2 \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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{2 \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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{2 \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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{2 \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} + 0 \cdot \chi_{15}}{2 \cdot \chi_1 + 0 \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} + 0 \cdot \chi_{15}}{2 \cdot \chi_1 + 0 \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} + 0 \cdot \chi_{15}}{2 \cdot \chi_1 + 0 \cdot \chi_1 + 0 \cdot \chi_1 + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{2 \cdot \chi_1 + 0 \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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{2 \cdot \chi_1 + 0 \cdot \chi_1 +$

 $\frac{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} + 0 \cdot \chi_{15}}{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} + 0 \cdot \chi_{15}} \\ \frac{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}} \\ \frac{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}} \\ \frac{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}} \\ \frac{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{1 \cdot \chi_1 + 0 \cdot \chi_1 + 0 \cdot \chi_1 + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}} \\ \frac{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_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}}{1 \cdot \chi_1 + 0 \cdot \chi_1 + 0 \cdot \chi_1 + 0 \cdot \chi_{14} + 0 \cdot \chi_{15}} \\ \frac{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}}{1 \cdot \chi_1 + 0 \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}$

 $P_8 = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,25)(2,32)(3,4)(5,11)(6,39)(7,8)(9,18)(10,43)(12,14)(13,15)(16,26)(17,47)(19,21)(20,22)(23,33)(24,48)(27,29)(28,30)(31,40)(34,36)(35,37)(38,44)(41,42)(45,46)]) \\ \cong C_2 \times C_2 \times C_3 \times C_3 \times C_3 \times C_4 \times$

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

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

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

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

 $P_{14} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,37)(27,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,29)(17,31)(18,32)(20,34)(22,36)(24,37)(27,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,29)(17,31)(18,32)(20,34)(23,36)(24,37)(27,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,7)(4,21)(5,9)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)] \cong D8$ $P_{15} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(23,31)(24,48)(27,29)(28,30)(31,40)(34,36)(35,47)(34,41)(39,42)(33,43)(35,45)(29,37)(30,36)(33,47)(34,41)(39,42)(39,42)(39,41)(39,42)$

 $P_{16} = Group((11.5)(2.9)(3.12)(4.14)(6.15)(2.9)(3.12)(4.14)(6.15)(7.18)(9.21)(10.22)(12.25)(13.26)(14.37)(27.39)(28.41)(30.42)(31.4$ $P_{17} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(10,23)(11,25)(13,27)(15,29)(17,25)(17,29)$ $P_{18} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,26)(14,32)(20,34)(22,36)(24,37)(27,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,7,5,19)(2,3,3,42)(21,32)(10,22)(12,25)(13,26)(10,22)(12,25$

 $N_1 = Grow([1,2)(3,7)(4,21)(5,9)(4,21)(5,9)(4,21)(5,9)(4,21)(5,9)(4,21)(5,9)(4,21)(5,9)(4,21)(5,9)(4,21)(5,9)(2,31)(2,33)(2,$

 $N_3 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,18)(9,21)(10,22)(12,25)(13,26)(15,32,29,18)(17,45,31,35)(24,41,38,28)(30,48,42,44)(37,47,46,40)] \cong C_{2,x}(C_3:C_4)(1,42,23)(4,43,14,33)(1,42,23)(4,43,14,33)(1,42,23)(1,42,23)(1,42,23)(1,42,23)(1,43,2$ $N_4 = Group([(1,25)(2,32)(3,4)(5,11)(6,39)(7,8)(9,18)(10,43)(12,14)(13,15)(16,26)(17,47)(19,21)(20,22)(23,33)(24,48)(27,29)(18,44,33)(19,45,24)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(43,42)(43,43)(19,45,34)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)(11,40,26)(12,41,37)(14,42,29)(18,44,33)(19,45,34)(11,40,26)(12,41,37)(19,41,36)(19,45,34)(11,40,26)(12,41,37)(19,41,38)(19,45,34)(11,40,26)(12,41,37)(19,41,38)(19,45,34)(19,45,$

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

(5, 2)(1, 2)(2, 3)(2, 3)(2, 4)(3, 4)(3, 4)(4, 4)(3, 4)(4,

 $V_9 = Group([(1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,27)(15,29)(17,31)(18,32)(20,34)(25,46)(16,29)(17,31)(18,32)(20,34)(25,46)(16,29)(17,31)(18,32)(20,34)(25,46)(16,29)(17,31)(18,32)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(16,38)(18,25)(20,34)(25,46)(16,38)(18,25)(20,34)(25,46)(16,38)(16$

 $F_{10} = Group([1,21,5,8)(2,14,9,4)(3,32,12,18)(6,43,14)(1,23,34)(15,29)(21,41)(10,42,23,30)(13,48,27,44)(15,24,29,38)(17,36,31,22)(20,47,34,40)(26,35,39,45)(28,41,13)(21,19)(13,29)(21,19)(13,29)($

=Group([(1,7,5,19)(2,3,9,12)(4,18,14,32)(6,35,16,45)(23,41)(13,28)(23,

=Group([(1,18,5,32)(2,11,9,25)(3,21,12,8)(4,7,14,19)(6,44,16,48)(12,43,14)(22,43,36,33)(24,35,34,14)(22,43,36,34)(23,43)(24,36,34)(34,36,34)(34,

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

=Group([(1,21,5,8)(2,14,9,4)(3,32,12,18)(6,46)(15,24)(23,31)(24,48)(21,48)(23,31)(24,48)(24

(7, 2)(2, 3)(3, 4)(2, 3)(4, 4)(3, 3)(2, 4)(4,