	1a	8a	2a	2b	4a	2c	8b	8c	8d	2d	4b	4c	2e	4d	8e	8f	8g	4e	4f	8h
χ_1	1	1	1	1	1	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	-1	1	1	1	-1	-1
χ_3	1	-1	-1	1	1	1	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	1	-1	1	-1	-1	1
χ_5	1	-1	1	1	1	1	-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	1	-1	-1	1	-1	1
χ_7	1	1	-1	1	1	1	-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	-1	1	-1	-1	-1	-1
χ_9	1	-E(4)	-1	-1	-1	1	E(4)	E(4)	E(4)	1	1	1	-1	-1	-E(4)	-E(4)	-E(4)	-1	1	E(4)
χ_{10}	1	E(4)	-1	-1	-1	1	-E(4)	-E(4)	-E(4)	1	1	1	-1	-1	E(4)	E(4)	E(4)	-1	1	-E(4)
χ_{11}	1	-E(4)	-1	1	-1	1	E(4)	-E(4)	E(4)	-1	1	-1	1	-1	E(4)	-E(4)	E(4)	1	-1	-E(4)
χ_{12}	1	E(4)	-1	1	-1	1	-E(4)	E(4)	-E(4)	-1	1	-1	1	-1	-E(4)	E(4)	-E(4)	1	-1	E(4)
χ_{13}	1	-E(4)	1	-1	-1	1	-E(4)	E(4)	E(4)	-1	-1	1	-1	-1	E(4)	E(4)	-E(4)	1	1	-E(4)
χ_{14}	1	E(4)	1	-1	-1	1	E(4)	-E(4)	-E(4)	-1	-1	1	-1	-1	-E(4)	-E(4)	E(4)	1	1	E(4)
χ_{15}	1	-E(4)	1	1	-1	1	-E(4)	-E(4)	E(4)	1	-1	-1	1	-1	-E(4)	E(4)	E(4)	-1	-1	E(4)
χ_{16}	1	E(4)	1	1	-1	1	E(4)	E(4)	-E(4)	1	-1	-1	1	-1	E(4)	-E(4)	-E(4)	-1	-1	-E(4)
χ_{17}	2	0	0	-2	-2 * E(4)	-2	0	0	0	0	0	2 * E(4)	2	2 * E(4)	0	0	0	0	-2 * E(4)	0
χ_{18}	2	0	0	-2	2 * E(4)	-2	0	0	0	0	0	-2 * E(4)	2	-2 * E(4)	0	0	0	0	2 * E(4)	0
χ_{19}	2	0	0	2	-2 * E(4)	-2	0	0	0	0	0	-2 * E(4)	-2	2 * E(4)	0	0	0	0	2 * E(4)	0
χ_{20}	2	0	0	2	2 * E(4)	-2	0	0	0	0	0	2 * E(4)	-2	-2 * E(4)	0	0	0	0	-2 * E(4)	0

Trivial source character table of $G \cong C2 \times (C8 : C2)$ at p = 2: p-subgroups of G up to conjugacy in GRepresentatives $n_i \in N_i$ $1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{19} + 1 \cdot$ $1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} \begin{vmatrix} 8 & 8 & 8 & 8 & 8 & 8 & 8 & 8 \end{vmatrix} \begin{vmatrix} 8 & 8 & 8 & 8 & 8 & 8 & 8 & 8 \end{vmatrix}$ $1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} \begin{vmatrix} 8 & 8 & 0 & 0 & 4 & 4 & 0 & 0 & 4 \end{vmatrix}$ $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \overline{\chi_9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{19} + 0$ $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{19} + 0 \cdot$ $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot$ $1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot$ $\left[1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}\right] \left[4\right] \left[4$ $\left|1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20}\right| \left|2 \quad \left|2 \quad \left|2 \quad \right| \left|2 \quad \right|2 \right|\right|\right|\right|\right|\right|\right|\right|\right|\right|$

 $P_2 = Group([(1,15)(2,21)(3,24)(4,6)(5,26)(7,28)(8,10)(9,30)(11,13)(12,31)(14,16)(17,19)(18,32)(20,22)(23,25)(27,29)]) \cong \mathbb{C}^2$ $P_3 = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(18,29)(20,30)(23,31)(27,32)]) \cong \mathbb{C}^2$ $P_4 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(18,27)(19,28)(22,30)(25,31)(29,32)]) \cong \mathbb{C}^2$ $P_5 = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32)]) \cong \mathbb{C}^2$

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

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

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

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

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

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

 $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)(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)(17,20)(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)(17,20)(12,23)(13,24)(16,26)(17,20)(12,23)(13,24)(16,26)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)(17,20)$ $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)(13,24)(17,27,28,32), \\ (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), \\ (1,5,6,16)(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), \\ (1,5,6,16)(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), \\ (1,5,6,16)(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), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,18,19,29)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,2$

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

 $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)(22,30)(25,31)(27,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(27,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,12)(11,24)(12,25)(14,26)(17,28)(12,29)(26,31)(27,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,2$

 $P_{28} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(2,32)(25,26)(29,30),(1,23,24,31)(17,27,28,32),(1,56,16)(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),(1,56,16)(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),(1,56,16)(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),(1,56,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(18,29)(20,30)(11,23,24,31)(17,27,28,32),(1,56,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(18,29)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(11,24)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)(12,25)$

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

 $P_{31} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(4,41,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), \\ (1,5)(4,14)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,5)(4,14)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,25)(14,26)(17,28)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(12,29)(14,24)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)(14,29)$

 $P_{33} = Group([(1,6)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,25)(4,44,15,26)(7,18,19,29)(8,20,21,30)(11,23,24,31)(17,27,28,32), (1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(18,20)(19,21)(22,32)(25,26)(29,30), (1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(17,27,28,32), (1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,14)(13,15)(16,31)(18,20)(19,21)(12,32)(11,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(12,24)(1$

 $P_{34} = 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)(22,29)(26,31)(30,32)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32)(11,24,25)(14,26)(17,28)(22,29)(26,31)(30,32)(11,24,26)(17,28)(22,29)(26,31)(27,32)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,25)(14,26)(17,28)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(11,24)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)(12,29)($

 $N_1 = Group([(1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,25)(14,26)(17,28)(12,23)(13,24)(16,23)(13,24)(16,23)(13,24)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(16,23)(1$ $N_2 = Group([(1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,24)(16,25)(22,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,19)(8,21)(9,22)(11,24)(12,25)(14,26)(17,28)(12,29)(26,31)(27,32)(17,28)(27,29)(26,31)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)(27,29)($ $N_3 = Group([(1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,21,26,30)(11,28,23,32,24,17,31,27),(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(13,24)(16,25)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)(12,23)$ $N_4 = Group([(1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(12,23)(13,24)(16,25)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28$ $N_5 = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(22,29)(26,31)(30,32), \\ (1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(20,32)(21,28)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(22,29)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)(26,31)$ $N_6 = Group([(1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,29)(25,30)(25,31)(29,32)(11,24)(12,23)(13,24)(16,25)(20,27)(21,28)(22,32)(25,26)(29,30)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(29,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(29,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(29,22)(21,24)(21,24)(21,25)(21,24)(21,24)(21,25)(21,24)(21,24)(21,25)(21,24)(21,24)(21,24)(21,25)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21,24)(21$ $N_7 = Group([(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18)(9,22)(11,24)(12,25)(14,26)(17,28)(22,29)(26,31)(30,32), (1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,28)(22,29)(26,31)(30,32), (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)(27,32), (1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(12,23)(13,24)(16,26)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)(17,28)($ $N_8 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,28)(22,30)(25,31)(27,32), (1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,21,26,30)(11,28,23,32,24,17,31,27), (1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32)]) \\ \cong C2 \times (C8:C2) \times (C8:C$

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

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

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

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

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

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

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

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

 $N_{30} = Group([(1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,21,26,30)(11,28,23,32,24,17,31,27),(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(8,20,21,30)(11,28,23,32,24,17,31,27),(1,3)(2,7)(4,11)(5,12)(6,13)(8,17)(9,18)(10,19)(14,23)(15,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,5,6,16)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,5,6,16)(2,10)(3,13)(4,15)(5,16)(7,19)(8,21)(9,22)(11,24)(12,23)(13,24)(16,25)(20,27)(21,28)(22,29)(26,31)(30,32),(1,5,6,16)(2,10)(3,13)(4,15)(5,16)(17,28)(12,29)(11,24)(12,23)(13,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(14,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,25)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(16,24)(1$ $N_{31} = Group([(1,8,5,20,6,21,16,30)(2,14,9,15,10,26,22,4)(3,28,12,32,13,17,25,27)(7,31,18,11,19,23,29,24),(1,3)(2,7)(4,11)(5,12)(6,13)(4,15)(5,16)(7,19)(8,21)(2,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(7,18,19,29)(26,31)(30,32),(1,5,6,16)(2,9,10,22)(3,12,13,25)(4,14,15,26)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(17,18,19,29)(1$ $N_{32} = Group([(1,19,16,18,6,7,5,29)(2,25,22,13,10,12,9,3)(4,28,26,27,15,17,14,32)(8,31,30,24,21,23,20,11),(1,4)(2,8)(3,11)(5,14)(6,15)(7,17)(9,20)(10,21)(12,23)(13,24)(16,26)(17,28)(23,24,17,31,27)]) \\ \cong C_{12} \times (C_{13} \times$ $N_{33} = Group([(1,8,5,20,6,21,16,30)(2,14,9,15,10,26,22,4)(3,28,12,32,13,17,25,27)(7,31,18,11,19,23,29,24),(1,11)(2,17)(3,4)(5,23)(6,24)(7,8)(9,27)(10,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(12,24)(12,25)(14,26)(17,28)(18,29)(20,30)(11,28,23,24,21,13,17)(12,25)(14,26)(17,28)(18,29)(20,30)(11,28,23,24,21,13,17)(17,27,28,32),(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,29)(19,24)(11,24)(12,25)(14,26)(17,28)(18,24)(17,28)(18,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,24)(19,$

 $N_{34} = Group([(1,2,5,9,6,10,16,22)(3,19,12,29,13,7,25,18)(4,8,14,20,15,24)(16,25)(22,29)(26,31)(30,32), (1,5,6,16)(2,9,10,23)(13,24)(16,25)(24,29)(26,31)(30,32), (1,5,6,16)(2,9,10,23)(13,24)(16,25)(24,29)(26,31)(27,32)] \\ \cong C_{2} \times (C8:C2) \times$