The group $G$ is isomorphic to the group labelled by [ 48, 6 ] in the Small Groups library.
Ordinary character table of $G \cong$ C24 : C2:

| | $1a$ | $2a$ | $8a$ | $4a$ | $2b$ | $3a$ | $4b$ | $8b$ | $24a$ | $12a$ | $6a$ | $24b$ | $24c$ | $12b$ | $24d$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $\chi_1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ |
| $\chi_2$ | $1$ | $-1$ | $-1$ | $1$ | $1$ | $1$ | $1$ | $-1$ | $-1$ | $1$ | $1$ | $-1$ | $-1$ | $1$ | $-1$ |
| $\chi_3$ | $1$ | $-1$ | $1$ | $1$ | $1$ | $1$ | $-1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ | $1$ |
| $\chi_4$ | $1$ | $1$ | $-1$ | $1$ | $1$ | $1$ | $-1$ | $-1$ | $-1$ | $1$ | $1$ | $-1$ | $-1$ | $1$ | $-1$ |
| $\chi_5$ | $2$ | $0$ | $-2$ | $2$ | $2$ | $-1$ | $0$ | $-2$ | $1$ | $-1$ | $-1$ | $1$ | $1$ | $-1$ | $1$ |
| $\chi_6$ | $2$ | $0$ | $2$ | $2$ | $2$ | $-1$ | $0$ | $2$ | $-1$ | $-1$ | $-1$ | $-1$ | $-1$ | $-1$ | $-1$ |
| $\chi_7$ | $2$ | $0$ | $0$ | $-2$ | $2$ | $2$ | $0$ | $0$ | $0$ | $-2$ | $2$ | $0$ | $0$ | $-2$ | $0$ |
| $\chi_8$ | $2$ | $0$ | $E(8)+E(8)^3$ | $0$ | $-2$ | $2$ | $0$ | $-E(8)-E(8)^3$ | $E(8)+E(8)^3$ | $0$ | $-2$ | $E(8)+E(8)^3$ | $-E(8)-E(8)^3$ | $0$ | $-E(8)-E(8)^3$ |
| $\chi_9$ | $2$ | $0$ | $-E(8)-E(8)^3$ | $0$ | $-2$ | $2$ | $0$ | $E(8)+E(8)^3$ | $-E(8)-E(8)^3$ | $0$ | $-2$ | $-E(8)-E(8)^3$ | $E(8)+E(8)^3$ | $0$ | $E(8)+E(8)^3$ |
| $\chi_{10}$ | $2$ | $0$ | $0$ | $-2$ | $2$ | $-1$ | $0$ | $0$ | $-E(12)^7+E(12)^{11}$ | $1$ | $-1$ | $E(12)^7-E(12)^{11}$ | $-E(12)^7+E(12)^{11}$ | $1$ | $E(12)^7-E(12)^{11}$ |
| $\chi_{11}$ | $2$ | $0$ | $0$ | $-2$ | $2$ | $-1$ | $0$ | $0$ | $E(12)^7-E(12)^{11}$ | $1$ | $-1$ | $-E(12)^7+E(12)^{11}$ | $E(12)^7-E(12)^{11}$ | $1$ | $-E(12)^7+E(12)^{11}$ |
| $\chi_{12}$ | $2$ | $0$ | $-E(8)-E(8)^3$ | $0$ | $-2$ | $-1$ | $0$ | $E(8)+E(8)^3$ | $-E(24)-E(24)^{11}$ | $E(12)^7-E(12)^{11}$ | $1$ | $-E(24)^{17}-E(24)^{19}$ | $E(24)+E(24)^{11}$ | $-E(12)^7+E(12)^{11}$ | $E(24)^{17}+E(24)^{19}$ |
| $\chi_{13}$ | $2$ | $0$ | $-E(8)-E(8)^3$ | $0$ | $-2$ | $-1$ | $0$ | $E(8)+E(8)^3$ | $-E(24)^{17}-E(24)^{19}$ | $-E(12)^7+E(12)^{11}$ | $1$ | $-E(24)-E(24)^{11}$ | $E(24)^{17}+E(24)^{19}$ | $E(12)^7-E(12)^{11}$ | $E(24)+E(24)^{11}$ |
| $\chi_{14}$ | $2$ | $0$ | $E(8)+E(8)^3$ | $0$ | $-2$ | $-1$ | $0$ | $-E(8)-E(8)^3$ | $E(24)^{17}+E(24)^{19}$ | $-E(12)^7+E(12)^{11}$ | $1$ | $E(24)+E(24)^{11}$ | $-E(24)^{17}-E(24)^{19}$ | $E(12)^7-E(12)^{11}$ | $-E(24)-E(24)^{11}$ |
| $\chi_{15}$ | $2$ | $0$ | $E(8)+E(8)^3$ | $0$ | $-2$ | $-1$ | $0$ | $-E(8)-E(8)^3$ | $E(24)+E(24)^{11}$ | $E(12)^7-E(12)^{11}$ | $1$ | $E(24)^{17}+E(24)^{19}$ | $-E(24)-E(24)^{11}$ | $-E(12)^7+E(12)^{11}$ | $-E(24)^{17}-E(24)^{19}$ |

Trivial source character table of $G \cong$ C24 : C2 at $p = 2$:

| Normalisers $N_i$ | $N_1$ | | $N_2$ | | $N_3$ | $N_4$ | | $N_5$ | $N_6$ | $N_7$ | | $N_8$ | $N_9$ | $N_{10}$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $p$-subgroups of $G$ up to conjugacy in $G$ | $P_1$ | | $P_2$ | | $P_3$ | $P_4$ | | $P_5$ | $P_6$ | $P_7$ | | $P_8$ | $P_9$ | $P_{10}$ |
| Representatives $n_j \in N_i$ | $1a$ | $3a$ | $1a$ | $3a$ | $1a$ | $1a$ | $3a$ | $1a$ | $1a$ | $1a$ | $3a$ | $1a$ | $1a$ | $1a$ |
| $1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+2\cdot\chi_7+2\cdot\chi_8+2\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 16 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+1\cdot\chi_{11}+1\cdot\chi_{12}+1\cdot\chi_{13}+1\cdot\chi_{14}+1\cdot\chi_{15}$ | 16 | −8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+2\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 8 | −4 | 8 | −4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 8 | 8 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 4 | 4 | 4 | 4 | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 4 | −2 | 4 | −2 | 0 | 4 | −2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 4 | 4 | 4 | 4 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 2 | −1 | 2 | −1 | 0 | 2 | −1 | 0 | 0 | 2 | −1 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 0 |
| $1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 2 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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

$N_1 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,3,4,11,5,12,14,25)(2,7,8,18,9,19,21,32)(6,13,15,26,16,27,29,39)(10,20,22,33,23,34,36,43)(17,28,30,40,31,41,42,47)(24,35,37,44,38,45,46,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ C24 : C2
$N_2 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,3,4,11,5,12,14,25)(2,7,8,18,9,19,21,32)(6,13,15,26,16,27,29,39)(10,20,22,33,23,34,36,43)(17,28,30,40,31,41,42,47)(24,35,37,44,38,45,46,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ C24 : C2
$N_3 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong$ C2 x C2
$N_4 = Group([(1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,3,4,11,5,12,14,25)(2,7,8,18,9,19,21,32)(6,13,15,26,16,27,29,39)(10,20,22,33,23,34,36,43)(17,28,30,40,31,41,42,47)(24,35,37,44,38,45,46,48), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ C24 : C2
$N_5 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48)]) \cong$ D8
$N_6 = Group([(1,18,5,32)(2,11,9,25)(3,21,12,8)(4,7,14,19)(6,44,16,48)(10,40,23,47)(13,46,27,37)(15,35,29,45)(17,33,31,43)(20,42,34,30)(22,28,36,41)(24,26,38,39), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48)]) \cong$ Q8
$N_7 = Group([(1,3,4,11,5,12,14,25)(2,7,8,18,9,19,21,32)(6,13,15,26,16,27,29,39)(10,20,22,33,23,34,36,43)(17,28,30,40,31,41,42,47)(24,35,37,44,38,45,46,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,6,17)(2,10,24)(3,13,28)(4,15,30)(5,16,31)(7,20,35)(8,22,37)(9,23,38)(11,26,40)(12,27,41)(14,29,42)(18,33,44)(19,34,45)(21,36,46)(25,39,47)(32,43,48)]) \cong$ C24 : C2
$N_8 = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,3,4,11,5,12,14,25)(2,7,8,18,9,19,21,32)(6,13,15,26,16,27,29,39)(10,20,22,33,23,34,36,43)(17,28,30,40,31,41,42,47)(24,35,37,44,38,45,46,48)]) \cong$ QD16
$N_9 = Group([(1,18,5,32)(2,11,9,25)(3,21,12,8)(4,7,14,19)(6,44,16,48)(10,40,23,47)(13,46,27,37)(15,35,29,45)(17,33,31,43)(20,42,34,30)(22,28,36,41)(24,26,38,39), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48), (1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43)]) \cong$ QD16
$N_{10} = Group([(1,2)(3,18)(4,21)(5,9)(6,24)(7,11)(8,14)(10,17)(12,32)(13,44)(15,46)(16,38)(19,25)(20,40)(22,42)(23,31)(26,35)(27,48)(28,33)(29,37)(30,36)(34,47)(39,45)(41,43), (1,3,4,11,5,12,14,25)(2,7,8,18,9,19,21,32)(6,13,15,26,16,27,29,39)(10,20,22,33,23,34,36,43)(17,28,30,40,31,41,42,47)(24,35,37,44,38,45,46,48), (1,4,5,14)(2,8,9,21)(3,11,12,25)(6,15,16,29)(7,18,19,32)(10,22,23,36)(13,26,27,39)(17,30,31,42)(20,33,34,43)(24,37,38,46)(28,40,41,47)(35,44,45,48), (1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48)]) \cong$ QD16