The group G is isomorphic to the group labelled by $[\,52, 4\,]$ in the Small Groups library.

Ordinary character table of $G \cong \mathrm{D52}$:

	1a	2a	2b	13a	2c	26a	13b	26b	13c	26c	13d	26d	13e	26e	13f	26f
χ_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
χ_3	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
χ_5	2	0	2	$E(13)^3+E(13)^{10}$	0	$E(13)^3+E(13)^{10}$	$E(13)^6+E(13)^7$	$E(13)^6+E(13)^7$	$E(13)^4+E(13)^9$	$E(13)^4+E(13)^9$	$E(13)+E(13)^{12}$	$E(13)+E(13)^{12}$	$E(13)^2+E(13)^{11}$	$E(13)^2+E(13)^{11}$	$E(13)^5+E(13)^8$	$E(13)^5+E(13)^8$
χ_6	2	0	2	$E(13)^4+E(13)^9$	0	$E(13)^4+E(13)^9$	$E(13)^5+E(13)^8$	$E(13)^5+E(13)^8$	$E(13)+E(13)^{12}$	$E(13)+E(13)^{12}$	$E(13)^3+E(13)^{10}$	$E(13)^3+E(13)^{10}$	$E(13)^6+E(13)^7$	$E(13)^6+E(13)^7$	$E(13)^2+E(13)^{11}$	$E(13)^2+E(13)^{11}$
χ_7	2	0	2	$E(13)^6+E(13)^7$	0	$E(13)^6+E(13)^7$	$E(13)+E(13)^{12}$	$E(13)+E(13)^{12}$	$E(13)^5+E(13)^8$	$E(13)^5+E(13)^8$	$E(13)^2+E(13)^{11}$	$E(13)^2+E(13)^{11}$	$E(13)^4+E(13)^9$	$E(13)^4+E(13)^9$	$E(13)^3+E(13)^{10}$	$E(13)^3+E(13)^{10}$
χ_8	2	0	2	$E(13)+E(13)^{12}$	0	$E(13)+E(13)^{12}$	$E(13)^2+E(13)^{11}$	$E(13)^2+E(13)^{11}$	$E(13)^3+E(13)^{10}$	$E(13)^3+E(13)^{10}$	$E(13)^4+E(13)^9$	$E(13)^4+E(13)^9$	$E(13)^5+E(13)^8$	$E(13)^5+E(13)^8$	$E(13)^6+E(13)^7$	$E(13)^6+E(13)^7$
χ_9	2	0	2	$E(13)^5+E(13)^8$	0	$E(13)^5+E(13)^8$	$E(13)^3+E(13)^{10}$	$E(13)^3+E(13)^{10}$	$E(13)^6+E(13)^7$	$E(13)^6+E(13)^7$	$E(13)^5+E(13)^8$	$E(13)^5+E(13)^8$	$E(13)+E(13)^{12}$	$E(13)+E(13)^{12}$	$E(13)^4+E(13)^9$	$E(13)^4+E(13)^9$
χ_{10}	2	0	2	$E(13)^2+E(13)^{11}$	0	$E(13)^2+E(13)^{11}$	$E(13)^4+E(13)^9$	$E(13)^4+E(13)^9$	$E(13)^2+E(13)^{11}$	$E(13)^2+E(13)^{11}$	$E(13)^6+E(13)^7$	$E(13)^6+E(13)^7$	$E(13)^3+E(13)^{10}$	$E(13)^3+E(13)^{10}$	$E(13)+E(13)^{12}$	$E(13)+E(13)^{12}$
χ_{11}	2	0	-2	$E(13)^3+E(13)^{10}$	0	$-E(13)^3-E(13)^{10}$	$E(13)^6+E(13)^7$	$-E(13)^6-E(13)^7$	$E(13)^4+E(13)^9$	$-E(13)^4-E(13)^9$	$E(13)+E(13)^{12}$	$-E(13)-E(13)^{12}$	$E(13)^2+E(13)^{11}$	$-E(13)^2-E(13)^{11}$	$E(13)^5+E(13)^8$	$-E(13)^5-E(13)^8$
χ_{12}	2	0	-2	$E(13)^4+E(13)^9$	0	$-E(13)^4-E(13)^9$	$E(13)^5+E(13)^8$	$-E(13)^5-E(13)^8$	$E(13)+E(13)^{12}$	$-E(13)-E(13)^{12}$	$E(13)^3+E(13)^{10}$	$-E(13)^3-E(13)^{10}$	$E(13)^6+E(13)^7$	$-E(13)^6-E(13)^7$	$E(13)^2+E(13)^{11}$	$-E(13)^2-E(13)^{11}$
χ_{13}	2	0	-2	$E(13)^6+E(13)^7$	0	$-E(13)^6-E(13)^7$	$E(13)+E(13)^{12}$	$-E(13)-E(13)^{12}$	$E(13)^5+E(13)^8$	$-E(13)^5-E(13)^8$	$E(13)^2+E(13)^{11}$	$-E(13)^2-E(13)^{11}$	$E(13)^4+E(13)^9$	$-E(13)^4-E(13)^9$	$E(13)^3+E(13)^{10}$	$-E(13)^3-E(13)^{10}$
χ_{14}	2	0	-2	$E(13)+E(13)^{12}$	0	$-E(13)-E(13)^{12}$	$E(13)^2+E(13)^{11}$	$-E(13)^2-E(13)^{11}$	$E(13)^3+E(13)^{10}$	$-E(13)^3-E(13)^{10}$	$E(13)^4+E(13)^9$	$-E(13)^4-E(13)^9$	$E(13)^5+E(13)^8$	$-E(13)^5-E(13)^8$	$E(13)^6+E(13)^7$	$-E(13)^6-E(13)^7$
χ_{15}	2	0	-2	$E(13)^5+E(13)^8$	0	$-E(13)^5-E(13)^8$	$E(13)^3+E(13)^{10}$	$-E(13)^3-E(13)^{10}$	$E(13)^2+E(13)^{11}$	$-E(13)^2-E(13)^{11}$	$E(13)^6+E(13)^7$	$-E(13)^6-E(13)^7$	$E(13)+E(13)^{12}$	$-E(13)-E(13)^{12}$	$E(13)^4+E(13)^9$	$-E(13)^4-E(13)^9$
χ_{16}	2	0	-2	$E(13)^2+E(13)^{11}$	0	$-E(13)^2-E(13)^{11}$	$E(13)^4+E(13)^9$	$-E(13)^4-E(13)^9$	$E(13)^6+E(13)^7$	$-E(13)^6-E(13)^7$	$E(13)^5+E(13)^8$	$-E(13)^5-E(13)^8$	$E(13)^3+E(13)^{10}$	$-E(13)^3-E(13)^{10}$	$E(13)+E(13)^{12}$	$-E(13)-E(13)^{12}$

Trivial source character table of $G \cong \mathrm{D52}$ at $p = 2$:

Normalisers N_i	N_1							N_2							N_3	N_4	N_5
p-subgroups of G up to conjugacy in G	P_1							P_2							P_3	P_4	P_5
Representatives $n_j \in N_i$	1a	13a	13b	13c	13d	13e	13f	1a	13d	13e	13a	13c	13f	13b	1a	1a	1a
$1\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}$	4	$2*E(13)^2+2*E(13)^{11}$	$2*E(13)^5+2*E(13)^9$	$2*E(13)^6+2*E(13)^7$	$2*E(13)^3+2*E(13)^8$	$2*E(13)^4+2*E(13)^{10}$	$2*E(13)+2*E(13)^{12}$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	4	$2*E(13)^4+2*E(13)^9$	$2*E(13)^5+2*E(13)^8$	$2*E(13)+2*E(13)^{12}$	$2*E(13)^3+2*E(13)^{10}$	$2*E(13)^6+2*E(13)^7$	$2*E(13)^2+2*E(13)^{11}$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	4	$2*E(13)^5+2*E(13)^8$	$2*E(13)^3+2*E(13)^{10}$	$2*E(13)^2+2*E(13)^{11}$	$2*E(13)^6+2*E(13)^7$	$2*E(13)+2*E(13)^{12}$	$2*E(13)^4+2*E(13)^9$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	4	$2*E(13)^3+2*E(13)^{10}$	$2*E(13)^6+2*E(13)^7$	$2*E(13)^4+2*E(13)^9$	$2*E(13)+2*E(13)^{12}$	$2*E(13)^2+2*E(13)^{11}$	$2*E(13)^5+2*E(13)^8$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	4	$2*E(13)+2*E(13)^{12}$	$2*E(13)^2+2*E(13)^{11}$	$2*E(13)^5+2*E(13)^8$	$2*E(13)^4+2*E(13)^9$	$2*E(13)^3+2*E(13)^{10}$	$2*E(13)^6+2*E(13)^7$	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+1\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	$E(13)^2+E(13)^{11}$	$E(13)^5+E(13)^9$	$E(13)^6+E(13)^7$	$E(13)^3+E(13)^8$	$E(13)^4+E(13)^{10}$	$E(13)+E(13)^{12}$	2	$E(13)^5+E(13)^8$	$E(13)^3+E(13)^{10}$	$E(13)^4+E(13)^{11}$	$E(13)^6+E(13)^7$	$E(13)+E(13)^{12}$	$E(13)^4+E(13)^9$	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	$E(13)^5+E(13)^7$	$E(13)-E(13)^{12}$	$E(13)^5+E(13)^8$	$E(13)^2+E(13)^{11}$	$E(13)^4+E(13)^9$	$E(13)^3+E(13)^{10}$	2	$E(13)^3+E(13)^{10}$	$E(13)^6+E(13)^9$	$E(13)^6+E(13)^7$	$E(13)^5+E(13)^8$	$E(13)^3+E(13)^{10}$	$E(13)+E(13)^{12}$	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	$E(13)^3+E(13)^{12}$	$E(13)^5+E(13)^8$	$E(13)^5+E(13)^8$	$E(13)^2+E(13)^{11}$	$E(13)^4+E(13)^9$	$E(13)^3+E(13)^{10}$	2	$E(13)^4+E(13)^{11}$	$E(13)^4+E(13)^9$	$E(13)^6+E(13)^7$	$E(13)^5+E(13)^8$	$E(13)^3+E(13)^{12}$	$E(13)+E(13)^{12}$	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	$E(13)+E(13)^{12}$	$E(13)^3+E(13)^{11}$	$E(13)^3+E(13)^{10}$	$E(13)+E(13)^9$	$E(13)^5+E(13)^7$	$E(13)^6+E(13)^7$	2	$E(13)^4+E(13)^9$	$E(13)^3+E(13)^8$	$E(13)+E(13)^{12}$	$E(13)^3+E(13)^{10}$	$E(13)^6+E(13)^7$	$E(13)^2+E(13)^{11}$	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	$E(13)^3+E(13)^{10}$	$E(13)^6+E(13)^7$	$E(13)^4+E(13)^9$	$E(13)+E(13)^{12}$	$E(13)^2+E(13)^{11}$	$E(13)^5+E(13)^8$	2	$E(13)+E(13)^{12}$	$E(13)^2+E(13)^{11}$	$E(13)^3+E(13)^{10}$	$E(13)^4+E(13)^9$	$E(13)^5+E(13)^8$	$E(13)^6+E(13)^7$	0	0	0
$0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	$E(13)^5+E(13)^8$	$E(13)^3+E(13)^{10}$	$E(13)^2+E(13)^{11}$	$E(13)^6+E(13)^7$	$E(13)+E(13)^{12}$	$E(13)^4+E(13)^9$	2	$E(13)^6+E(13)^7$	$E(13)+E(13)^{12}$	$E(13)^5+E(13)^8$	$E(13)^2+E(13)^{11}$	$E(13)^4+E(13)^9$	$E(13)^3+E(13)^{10}$	0	0	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+1\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	2	2	2	2	2	2	0	0	0	0	0	0	0	2	0	0
$1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	2	0
$1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$

$P_2 = Group([(1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,52)]) \cong C2$

$P_3 = Group([(1,2)(3,5)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31)]) \cong C2$

$P_4 = Group([(1,5)(2,3)(4,52)(6,51)(7,50)(8,49)(9,48)(10,47)(11,46)(12,45)(13,44)(14,43)(15,42)(16,41)(17,40)(18,39)(19,38)(20,37)(21,36)(22,35)(23,34)(24,33)(25,32)(26,31)(27,30)(28,29)]) \cong C2$

$P_5 = Group([(1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,52), (1,2)(3,5)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31)]) \cong C2 \times C2$

$N_1 = Group([(1,2)(3,5)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31), (1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,52), (1,4,8,12,16,20,24,28,32,36,40,44,48)(2,6,10,14,18,22,26,30,34,38,42,46,50)(3,7,11,15,19,23,27,31,35,39,43,47,51)(5,9,13,17,21,25,29,33,37,41,45,49,52)]) \cong D52$

$N_2 = Group([(1,2)(3,5)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31), (1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,52), (1,4,8,12,16,20,24,28,32,36,40,44,48)(2,6,10,14,18,22,26,30,34,38,42,46,50)(3,7,11,15,19,23,27,31,35,39,43,47,51)(5,9,13,17,21,25,29,33,37,41,45,49,52)]) \cong D52$

$N_3 = Group([(1,2)(3,5)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31)]) \cong C2$

$N_4 = Group([(1,2)(3,5)(4,52)(6,51)(7,50)(8,49)(9,48)(10,47)(11,46)(12,45)(13,44)(14,43)(15,42)(16,41)(17,40)(18,39)(19,38)(20,37)(21,36)(22,35)(23,34)(24,33)(25,32)(26,31)(27,30)(28,29), (1,5)(2,3)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31), (1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,52)]) \cong C2 \times C2$

$N_5 = Group([(1,2)(3,5)(4,50)(6,48)(7,52)(8,46)(9,51)(10,44)(11,49)(12,42)(13,47)(14,40)(15,45)(16,38)(17,43)(18,36)(19,41)(20,34)(21,39)(22,32)(23,37)(24,30)(25,35)(26,28)(27,33)(29,31), (1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,52)]) \cong C2 \times C2$