The group G is isomorphic to the group labelled by [40, 7] in the Small Groups library.
Ordinary character table of $G \cong$ C2 x (C5 : C4):

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

Trivial source character table of $G \cong$ C2 x (C5 : C4) at $p = 2$:

Normalisers N_i	N_1			N_2			N_3			N_4			N_5			N_6	N_7	N_8
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
Representatives $n_j \in N_i$	1a	5a	5b	1a	5a	5b	1a	5a	5b	1a	5a	5b	1a	5a	5b	1a	1a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16}$	8	$4*E(5)^2+4*E(5)^3$	$4*E(5)+4*E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16}$	8	$4*E(5)+4*E(5)^4$	$4*E(5)^2+4*E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16}$	4	$2*E(5)^2+2*E(5)^3$	$2*E(5)+2*E(5)^4$	4	$2*E(5)^2+2*E(5)^3$	$2*E(5)+2*E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16}$	4	$2*E(5)+2*E(5)^4$	$2*E(5)^2+2*E(5)^3$	4	$2*E(5)+2*E(5)^4$	$2*E(5)^2+2*E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16}$	4	$2*E(5)^2+2*E(5)^3$	$2*E(5)+2*E(5)^4$	0	0	0	4	$2*E(5)^2+2*E(5)^3$	$2*E(5)+2*E(5)^4$	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16}$	4	$2*E(5)+2*E(5)^4$	$2*E(5)^2+2*E(5)^3$	0	0	0	4	$2*E(5)+2*E(5)^4$	$2*E(5)^2+2*E(5)^3$	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	4	4	4	0	0	0	0	0	0	4	4	4	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16}$	4	$2*E(5)^2+2*E(5)^3$	$2*E(5)+2*E(5)^4$	0	0	0	0	0	0	4	$2*E(5)^2+2*E(5)^3$	$2*E(5)+2*E(5)^4$	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	$2*E(5)+2*E(5)^4$	$2*E(5)^2+2*E(5)^3$	0	0	0	0	0	0	4	$2*E(5)+2*E(5)^4$	$2*E(5)^2+2*E(5)^3$	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	2	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16}$	2	$E(5)+E(5)^4$	$E(5)^2+E(5)^3$	2	$E(5)+E(5)^4$	$E(5)^2+E(5)^3$	2	$E(5)+E(5)^4$	$E(5)^2+E(5)^3$	2	$E(5)+E(5)^4$	$E(5)^2+E(5)^3$	2	$E(5)+E(5)^4$	$E(5)^2+E(5)^3$	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16}$	2	$E(5)^2+E(5)^3$	$E(5)+E(5)^4$	2	$E(5)^2+E(5)^3$	$E(5)+E(5)^4$	2	$E(5)^2+E(5)^3$	$E(5)+E(5)^4$	2	$E(5)^2+E(5)^3$	$E(5)+E(5)^4$	2	$E(5)^2+E(5)^3$	$E(5)+E(5)^4$	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	0	0	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	0	0	0	0	0	0	0	0	0	2	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40)]) \cong$ C2
$P_3 = Group([(1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40)]) \cong$ C2
$P_4 = Group([(1,9)(2,13)(3,4)(5,17)(6,7)(8,21)(10,11)(12,25)(14,15)(16,29)(18,19)(20,33)(22,23)(24,36)(26,27)(28,39)(30,31)(32,40)(34,35)(37,38)]) \cong$ C2
$P_5 = Group([(1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40)]) \cong$ C2 x C2
$P_6 = Group([(1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26)]) \cong$ C4
$P_7 = Group([(1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,6,4,13)(2,9,7,3)(5,37,11,40)(8,39,15,34)(10,32,17,38)(12,30,19,36)(14,35,21,28)(16,33,23,26)(18,24,25,31)(20,22,27,29)]) \cong$ C4
$P_8 = Group([(1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40)), (1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26)]) \cong$ C4 x C2

$N_1 = Group([(1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,5,12,20,28)(2,8,16,24,32)(3,10,18,26,34)(4,11,19,27,35)(6,14,22,30,37)(7,15,23,31,38)(9,17,25,33,39)(13,21,29,36,40)]) \cong$ C2 x (C5 : C4)
$N_2 = Group([(1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,5,12,20,28)(2,8,16,24,32)(3,10,18,26,34)(4,11,19,27,35)(6,14,22,30,37)(7,15,23,31,38)(9,17,25,33,39)(13,21,29,36,40)]) \cong$ C2 x (C5 : C4)
$N_3 = Group([(1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,5,12,20,28)(2,8,16,24,32)(3,10,18,26,34)(4,11,19,27,35)(6,14,22,30,37)(7,15,23,31,38)(9,17,25,33,39)(13,21,29,36,40)]) \cong$ C2 x (C5 : C4)
$N_4 = Group([(1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,5,12,20,28)(2,8,16,24,32)(3,10,18,26,34)(4,11,19,27,35)(6,14,22,30,37)(7,15,23,31,38)(9,17,25,33,39)(13,21,29,36,40)]) \cong$ C2 x (C5 : C4)
$N_5 = Group([(1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26)]) \cong$ C4 x C2
$N_6 = Group([(1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40)]) \cong$ C4 x C2
$N_7 = Group([(1,6,4,13)(2,9,7,3)(5,37,11,40)(8,39,15,34)(10,32,17,38)(12,30,19,36)(14,35,21,28)(16,33,23,26)(18,24,25,31)(20,22,27,29), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40), (1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26)]) \cong$ C4 x C2
$N_8 = Group([(1,2,4,7)(3,6,9,13)(5,32,11,38)(8,35,15,28)(10,37,17,40)(12,24,19,31)(14,39,21,34)(16,27,23,20)(18,30,25,36)(22,33,29,26), (1,3)(2,6)(4,9)(5,10)(7,13)(8,14)(11,17)(12,18)(15,21)(16,22)(19,25)(20,26)(23,29)(24,30)(27,33)(28,34)(31,36)(32,37)(35,39)(38,40), (1,4)(2,7)(3,9)(5,11)(6,13)(8,15)(10,17)(12,19)(14,21)(16,23)(18,25)(20,27)(22,29)(24,31)(26,33)(28,35)(30,36)(32,38)(34,39)(37,40)]) \cong$ C4 x C2