The group G is isomorphic to the group labelled by [40, 11] in the Small Groups library.
Ordinary character table of $G \cong$ C5 x Q8:

	$1a$	$4a$	$4b$	$5a$	$2a$	$4c$	$20a$	$20b$	$5b$	$10a$	$20c$	$20d$	$20e$	$5c$	$10b$	$20f$	$20g$	$20h$	$5d$	$10c$	$20i$	$20j$	$20k$	$10d$	$20l$
χ_{1}	1	1	1	1	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	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	-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	-1	1	-1	1	-1
χ_{5}	1	-1	-1	$E(5)^4$	1	1	$-E(5)^4$	$-E(5)^4$	$E(5)^3$	$E(5)^4$	$E(5)^4$	$-E(5)^3$	$-E(5)^3$	$E(5)^2$	$E(5)^3$	$E(5)^3$	$-E(5)^2$	$-E(5)^2$	$E(5)$	$E(5)^2$	$E(5)^2$	$-E(5)$	$-E(5)$	$E(5)$	$E(5)$
χ_{6}	1	-1	-1	$E(5)^3$	1	1	$-E(5)^3$	$-E(5)^3$	$E(5)$	$E(5)^3$	$E(5)^3$	$-E(5)$	$-E(5)$	$E(5)^4$	$E(5)$	$E(5)$	$-E(5)^4$	$-E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)^4$	$-E(5)^2$	$-E(5)^2$	$E(5)^2$	$E(5)^2$
χ_{7}	1	-1	-1	$E(5)^2$	1	1	$-E(5)^2$	$-E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^2$	$-E(5)^4$	$-E(5)^4$	$E(5)$	$E(5)^4$	$E(5)^4$	$-E(5)$	$-E(5)$	$E(5)^3$	$E(5)$	$E(5)$	$-E(5)^3$	$-E(5)^3$	$E(5)^3$	$E(5)^3$
χ_{8}	1	-1	-1	$E(5)$	1	1	$-E(5)$	$-E(5)$	$E(5)^2$	$E(5)$	$E(5)$	$-E(5)^2$	$-E(5)^2$	$E(5)^3$	$E(5)^2$	$E(5)^2$	$-E(5)^3$	$-E(5)^3$	$E(5)^4$	$E(5)^3$	$E(5)^3$	$-E(5)^4$	$-E(5)^4$	$E(5)^4$	$E(5)^4$
χ_{9}	1	-1	1	$E(5)^4$	1	-1	$-E(5)^4$	$E(5)^4$	$E(5)^3$	$E(5)^4$	$-E(5)^4$	$-E(5)^3$	$E(5)^3$	$E(5)^2$	$E(5)^3$	$-E(5)^3$	$-E(5)^2$	$E(5)^2$	$E(5)$	$E(5)^2$	$-E(5)^2$	$-E(5)$	$E(5)$	$E(5)$	$-E(5)$
χ_{10}	1	-1	1	$E(5)^3$	1	-1	$-E(5)^3$	$E(5)^3$	$E(5)$	$E(5)^3$	$-E(5)^3$	$-E(5)$	$E(5)$	$E(5)^4$	$E(5)$	$-E(5)$	$-E(5)^4$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$-E(5)^4$	$-E(5)^2$	$E(5)^2$	$E(5)^2$	$-E(5)^2$
χ_{11}	1	-1	1	$E(5)^2$	1	-1	$-E(5)^2$	$E(5)^2$	$E(5)^4$	$E(5)^2$	$-E(5)^2$	$-E(5)^4$	$E(5)^4$	$E(5)$	$E(5)^4$	$-E(5)^4$	$-E(5)$	$E(5)$	$E(5)^3$	$E(5)$	$-E(5)$	$-E(5)^3$	$E(5)^3$	$E(5)^3$	$-E(5)^3$
χ_{12}	1	-1	1	$E(5)$	1	-1	$-E(5)$	$E(5)$	$E(5)^2$	$E(5)$	$-E(5)$	$-E(5)^2$	$E(5)^2$	$E(5)^3$	$E(5)^2$	$-E(5)^2$	$-E(5)^3$	$E(5)^3$	$E(5)^4$	$E(5)^3$	$-E(5)^3$	$-E(5)^4$	$E(5)^4$	$E(5)^4$	$-E(5)^4$
χ_{13}	1	1	-1	$E(5)^4$	1	-1	$E(5)^4$	$-E(5)^4$	$E(5)^3$	$E(5)^4$	$-E(5)^4$	$E(5)^3$	$-E(5)^3$	$E(5)^2$	$E(5)^3$	$-E(5)^3$	$E(5)^2$	$-E(5)^2$	$E(5)$	$E(5)^2$	$-E(5)^2$	$E(5)$	$-E(5)$	$E(5)$	$-E(5)$
χ_{14}	1	1	-1	$E(5)^3$	1	-1	$E(5)^3$	$-E(5)^3$	$E(5)$	$E(5)^3$	$-E(5)^3$	$E(5)$	$-E(5)$	$E(5)^4$	$E(5)$	$-E(5)$	$E(5)^4$	$-E(5)^4$	$E(5)^2$	$E(5)^4$	$-E(5)^4$	$E(5)^2$	$-E(5)^2$	$E(5)^2$	$-E(5)^2$
χ_{15}	1	1	-1	$E(5)^2$	1	-1	$E(5)^2$	$-E(5)^2$	$E(5)^4$	$E(5)^2$	$-E(5)^2$	$E(5)^4$	$-E(5)^4$	$E(5)$	$E(5)^4$	$-E(5)^4$	$E(5)$	$-E(5)$	$E(5)^3$	$E(5)$	$-E(5)$	$E(5)^3$	$-E(5)^3$	$E(5)^3$	$-E(5)^3$
χ_{16}	1	1	-1	$E(5)$	1	-1	$E(5)$	$-E(5)$	$E(5)^2$	$E(5)$	$-E(5)$	$E(5)^2$	$-E(5)^2$	$E(5)^3$	$E(5)^2$	$-E(5)^2$	$E(5)^3$	$-E(5)^3$	$E(5)^4$	$E(5)^3$	$-E(5)^3$	$E(5)^4$	$-E(5)^4$	$E(5)^4$	$-E(5)^4$
χ_{17}	1	1	1	$E(5)^4$	1	1	$E(5)^4$	$E(5)^4$	$E(5)^3$	$E(5)^4$	$E(5)^4$	$E(5)^3$	$E(5)^3$	$E(5)^2$	$E(5)^3$	$E(5)^3$	$E(5)^2$	$E(5)^2$	$E(5)$	$E(5)^2$	$E(5)^2$	$E(5)$	$E(5)$	$E(5)$	$E(5)$
χ_{18}	1	1	1	$E(5)^3$	1	1	$E(5)^3$	$E(5)^3$	$E(5)$	$E(5)^3$	$E(5)^3$	$E(5)$	$E(5)$	$E(5)^4$	$E(5)$	$E(5)$	$E(5)^4$	$E(5)^4$	$E(5)^2$	$E(5)^4$	$E(5)^4$	$E(5)^2$	$E(5)^2$	$E(5)^2$	$E(5)^2$
χ_{19}	1	1	1	$E(5)^2$	1	1	$E(5)^2$	$E(5)^2$	$E(5)^4$	$E(5)^2$	$E(5)^2$	$E(5)^4$	$E(5)^4$	$E(5)$	$E(5)^4$	$E(5)^4$	$E(5)$	$E(5)$	$E(5)^3$	$E(5)$	$E(5)$	$E(5)^3$	$E(5)^3$	$E(5)^3$	$E(5)^3$
χ_{20}	1	1	1	$E(5)$	1	1	$E(5)$	$E(5)$	$E(5)^2$	$E(5)$	$E(5)$	$E(5)^2$	$E(5)^2$	$E(5)^3$	$E(5)^2$	$E(5)^2$	$E(5)^3$	$E(5)^3$	$E(5)^4$	$E(5)^3$	$E(5)^3$	$E(5)^4$	$E(5)^4$	$E(5)^4$	$E(5)^4$
χ_{21}	2	0	0	2	-2	0	0	0	2	-2	0	0	0	2	-2	0	0	0	2	-2	0	0	0	-2	0
χ_{22}	2	0	0	$2*E(5)^4$	-2	0	0	0	$2*E(5)^3$	$-2*E(5)^4$	0	0	0	$2*E(5)^2$	$-2*E(5)^3$	0	0	0	$2*E(5)$	$-2*E(5)^2$	0	0	0	$-2*E(5)$	0
χ_{23}	2	0	0	$2*E(5)^3$	-2	0	0	0	$2*E(5)$	$-2*E(5)^3$	0	0	0	$2*E(5)^4$	$-2*E(5)$	0	0	0	$2*E(5)^2$	$-2*E(5)^4$	0	0	0	$-2*E(5)^2$	0
χ_{24}	2	0	0	$2*E(5)^2$	-2	0	0	0	$2*E(5)^4$	$-2*E(5)^2$	0	0	0	$2*E(5)$	$-2*E(5)^4$	0	0	0	$2*E(5)^3$	$-2*E(5)$	0	0	0	$-2*E(5)^3$	0
χ_{25}	2	0	0	$2*E(5)$	-2	0	0	0	$2*E(5)^2$	$-2*E(5)$	0	0	0	$2*E(5)^3$	$-2*E(5)^2$	0	0	0	$2*E(5)^4$	$-2*E(5)^3$	0	0	0	$-2*E(5)^4$	0

Trivial source character table of $G \cong$ C5 x Q8 at $p = 2$:

Normalisers N_i	N_1					N_2					N_3					N_4					N_5					N_6				
p-subgroups of G up to conjugacy in G	P_1					P_2					P_3					P_4					P_5					P_6				
Representatives $n_j \in N_i$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$	$1a$	$5a$	$5b$	$5c$	$5d$
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+2\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+2\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	8	$8*E(5)^4$	$8*E(5)^3$	$8*E(5)^2$	$8*E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+2\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	8	$8*E(5)^3$	$8*E(5)$	$8*E(5)^4$	$8*E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+2\cdot\chi_{24}+0\cdot\chi_{25}$	8	$8*E(5)^2$	$8*E(5)^4$	$8*E(5)$	$8*E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+2\cdot\chi_{25}$	8	$8*E(5)$	$8*E(5)^2$	$8*E(5)^3$	$8*E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+1\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	4	$4*E(5)^3$	$4*E(5)$	$4*E(5)^4$	$4*E(5)^2$	4	$4*E(5)^3$	$4*E(5)$	$4*E(5)^4$	$4*E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	4	$4*E(5)$	$4*E(5)^2$	$4*E(5)^3$	$4*E(5)^4$	4	$4*E(5)$	$4*E(5)^2$	$4*E(5)^3$	$4*E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	4	$4*E(5)^4$	$4*E(5)^3$	$4*E(5)^2$	$4*E(5)$	4	$4*E(5)^4$	$4*E(5)^3$	$4*E(5)^2$	$4*E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	4	$4*E(5)^2$	$4*E(5)^4$	$4*E(5)$	$4*E(5)^3$	4	$4*E(5)^2$	$4*E(5)^4$	$4*E(5)$	$4*E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+1\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+1\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+1\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+1\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+1\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+1\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	0	0	0	0	0	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+1\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	0	0	0	0	0	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+1\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	0	0	0	0	0	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	0	0	0	0	0	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+1\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	0	0	0	0	0	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	0	0	0	0	0	0	0	0	0	0
$1\cdot\chi_{1}+1\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+1\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	0	0	0	0	0	0	0	0	0	0	2	$2*E(5)^2$	$2*E(5)^4$	$2*E(5)$	$2*E(5)^3$	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+1\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	0	0	0	0	0	0	0	0	0	0	2	$2*E(5)^4$	$2*E(5)^3$	$2*E(5)^2$	$2*E(5)$	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	0	0	0	0	0	0	0	0	0	0	2	$2*E(5)$	$2*E(5)^2$	$2*E(5)^3$	$2*E(5)^4$	0	0	0	0	0
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+1\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	0	0	0	0	0	0	0	0	0	0	2	$2*E(5)^3$	$2*E(5)$	$2*E(5)^4$	$2*E(5)^2$	0	0	0	0	0
$1\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+1\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+1\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40)]) \cong$ C2
$P_3 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40)]) \cong$ C4
$P_4 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36)]) \cong$ C4
$P_5 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,14,5,6)(2,3,8,10)(4,22,12,13)(7,9,16,18)(11,30,20,21)(15,17,24,26)(19,37,28,29)(23,25,32,34)(27,40,35,36)(31,33,38,39)]) \cong$ C4
$P_6 = Group([(1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36)]) \cong$ Q8

$N_1 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40), (1,4,11,19,27)(2,7,15,23,31)(3,9,17,25,33)(5,12,20,28,35)(6,13,21,29,36)(8,16,24,32,38)(10,18,26,34,39)(14,22,30,37,40), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40)]) \cong$ C5 x Q8
$N_2 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40), (1,4,11,19,27)(2,7,15,23,31)(3,9,17,25,33)(5,12,20,28,35)(6,13,21,29,36)(8,16,24,32,38)(10,18,26,34,39)(14,22,30,37,40), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40)]) \cong$ C5 x Q8
$N_3 = Group([(1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36), (1,4,11,19,27)(2,7,15,23,31)(3,9,17,25,33)(5,12,20,28,35)(6,13,21,29,36)(8,16,24,32,38)(10,18,26,34,39)(14,22,30,37,40)]) \cong$ C5 x Q8
$N_4 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40), (1,4,11,19,27)(2,7,15,23,31)(3,9,17,25,33)(5,12,20,28,35)(6,13,21,29,36)(8,16,24,32,38)(10,18,26,34,39)(14,22,30,37,40)]) \cong$ C5 x Q8
$N_5 = Group([(1,14,5,6)(2,3,8,10)(4,22,12,13)(7,9,16,18)(11,30,20,21)(15,17,24,26)(19,37,28,29)(23,25,32,34)(27,40,35,36)(31,33,38,39), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36), (1,4,11,19,27)(2,7,15,23,31)(3,9,17,25,33)(5,12,20,28,35)(6,13,21,29,36)(8,16,24,32,38)(10,18,26,34,39)(14,22,30,37,40)]) \cong$ C5 x Q8
$N_6 = Group([(1,2,5,8)(3,14,10,6)(4,7,12,16)(9,22,18,13)(11,15,20,24)(17,30,26,21)(19,23,28,32)(25,37,34,29)(27,31,35,38)(33,40,39,36), (1,3,5,10)(2,6,8,14)(4,9,12,18)(7,13,16,22)(11,17,20,26)(15,21,24,30)(19,25,28,34)(23,29,32,37)(27,33,35,39)(31,36,38,40), (1,5)(2,8)(3,10)(4,12)(6,14)(7,16)(9,18)(11,20)(13,22)(15,24)(17,26)(19,28)(21,30)(23,32)(25,34)(27,35)(29,37)(31,38)(33,39)(36,40), (1,4,11,19,27)(2,7,15,23,31)(3,9,17,25,33)(5,12,20,28,35)(6,13,21,29,36)(8,16,24,32,38)(10,18,26,34,39)(14,22,30,37,40)]) \cong$ C5 x Q8