

χ_{40}	2	0	0	0	$-2 \cdot E(3)$	0	0	0	$-2 \cdot E(3)$	$2 \cdot E(3)^2$	0	0	0	$-2 \cdot E(3)$	$2 \cdot E(3)^2$	0	0	0	$-2 \cdot E(3)$	$2 \cdot E(3)^2$	2	0	0	0	$-2 \cdot E(3)$	0	0	0	$-2 \cdot E(3)$	$2 \cdot E(3)^2$	0	0	0	$-2 \cdot E(3)$	$2 \cdot E(3)^2$	2	0	0	0	-2
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p-subgroups of G up to conjugacy in G																																																																					
Representatives $n_i \in N_i$																																																																					
P_1					P_2					P_3					P_4					P_5					P_6					P_7					P_8																																		
1a	3a	3b	3c	3d	3e	3f	3a	3b		1a	3a	3c	3b	3d	3f	3c	3a	3b		1a	3c	3a	3f	3d	3b	3a	3c	3b		1a	3c	3a	3f	3d	3b	3a	3c	3b		1a	3a	3c	3b	3d	3f	3c	3a	3b		1a	3a	3c	3b	3d	3f	3c	3a	3b		1a	3a	3c	3b	3d	3f	3c	3a	3b	

$$N_5 = \text{Group}[[8, 10], [7, 9], [6, 9, 0], [1, 2, 0]] \cong C_3 \times C_3 \times D_8$$