	1a	2a	2b	2c	2d	3a	2e	4a	2f	$\overline{2g}$	6a	6b	6c	4b	6d	6e	6f	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$
χ_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
χ_3	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
χ_5	1	-1	1	1	1	1	-1	-1	1	1	1	1	1	-1	1	1	1	1
χ_6	1	1	-1	-1	1	1	-1	-1	1	-1	-1	-1	1	1	1	-1	-1	1
χ_7	1	1	-1	1	1	1	-1	1	-1	-1	-1	1	1	-1	-1	-1	1	-1
χ_8	1	1	1	-1	1	1	1	-1	-1	1	1	-1	1	-1	-1	1	-1	-1
χ_9	2	0	-2	-2	2	-1	0	0	2	-2	1	1	-1	0	-1	1	1	-1
χ_{10}	2	0	-2	2	2	-1	0	0	-2	-2	1	-1	-1	0	1	1	-1	1
χ_{11}	2	0	2	-2	2	-1	0	0	-2	2	-1	1	-1	0	1	-1	1	1
χ_{12}	2	0	2	2	2	-1	0	0	2	2	-1	-1	-1	0	-1	-1	-1	-1
χ_{13}	2	0	2	0	-2	2	0	0	0	-2	2	0	-2	0	0	-2	0	0
χ_{14}	2	0	-2	0	-2	2	0	0	0	2	-2	0	-2	0	0	2	0	0
χ_{15}	2	0	-2	0	-2	-1	0	0	0	2	1	$-E(3) + E(3)^2$	1	0	$E(3) - E(3)^2$	-1	$E(3) - E(3)^2$	-E(3) + E(3)
χ_{16}	2	0	-2	0	-2	-1	0	0	0	2	1	$E(3) - E(3)^2$	1	0	$-E(3) + E(3)^2$	-1	$-E(3) + E(3)^2$	$E(3) - E(3)^2$
χ_{17}	2	0	2	0	-2	-1	0	0	0	-2	-1	$-E(3) + E(3)^2$	1	0	$-E(3) + E(3)^2$	1	$E(3) - E(3)^2$	$E(3) - E(3)^2$
χ_{18}	2	0	2	0	-2	-1	0	0	0	-2	-1	$E(3) - E(3)^2$	1	0	$E(3) - E(3)^2$	1	$-E(3) + E(3)^2$	-E(3) + E(3)

Trivial source character table of $G \cong C2 \times ((C6 \times C2) : C2)$ at $p = Normalisers N_i$

p-subgroups of G up to conjugacy in G

Ordinary character table of $G \cong C2 \times ((C6 \times C2) : C2)$:

p-subgroups of G up to conjugacy in G	. 1	r_2	3 4		1 5		1 6	17	1.8	19 1	F 10 F 11	1 12 1	13	<i>I</i> 14		1 15		F ₁₆ F ₁₇	1 18	1	19 1 20	$J \mid I \mid 21 \mid I$	I 22	F 23 F 24	4 1 25	1 26 1 27
Representatives $n_j \in N_i$	1a 3a	1a 3a 1	$a \mid 1a \mid 1a$	a = 3b	3a	1a 3	3a	1a $3a$	$\begin{vmatrix} 1a & 3a \end{vmatrix}$	$a \mid 1a \mid 1$	$1a \mid 1a$	1a 1	$1a \mid 1a$	3a $3b$	1a	3a 3	3b	$1a \mid 1a \mid 3$	$a \mid 1a \mid 3$	$a \mid 1a$	$3a \mid 1a$	a = 1a	1a 3a	1a $1c$	ι 1a	1a $1a$
$\boxed{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 2 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}$	16 16	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	0 0	0 0	0 0	0	0 0	0 0	0	0 0
$ \begin{vmatrix} 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 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} \end{vmatrix} $	16 -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	0 0	0 0	0 0	0	0 0	$\mid 0 \mid 0$	0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	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 0	0 0	0 0	0	0 0	0 0	0	0 0
$ \begin{vmatrix} 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 + 1 \cdot \chi_{10} + 1 \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} \end{vmatrix} $	8 -4	8 -4	$0 \mid 0 \mid 0$	0	0	0 (0	0 0	0 0	0	0 0	0	0 0	0 0	0	0 (0	0 0	0 0	$0 \mid 0$	0 0	0	0 0	0 0	0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 8	0 0	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 0	0 0	0 0	0	0 0	0 0	0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 8	0 0	0 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	0 0	0 0	0	0 0	0 0	0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 8	0 0	0 0 4	4	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 0	0	0 0	0 0	0	0 0
$ \begin{vmatrix} 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} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} \end{vmatrix} $	8 - 4	0 0	$0 \mid 0 \mid 4$	4*E(3)	$(8)^2 4 * E(3)$	0 (0	0 0	0 0	0	$0 \mid 0$	0	$0 \mid 0$	0 0	0	0 (0	0 0	$0 \mid 0$	$0 \mid 0$	0 0	0	0 0	0 0	0	0 0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 -4	0 0	0 0 4	4*E(3)	$4*E(3)^2$	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	0	0 0	0 0	0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 8	0 0	0 0 0	0	0	4	4	0 0	0 0	0	0 0	0	0 0	0 0	0	0 (0	0 0	0 0	$0 \mid 0$	0 0	0	0 0	0 0	0	0 0
	8 -4	0 0	$0 \mid 0 \mid 0$	0	0	4 4*E	- (-)	0 0	0 0	0	0 0	0	$0 \mid 0$	0 0	0	0 (0	0 0	0 0	$0 \mid 0$	0 0	0	0 0	0 0	0	0 0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 -4	0 0	0 0 0	0	0	4 4*1	$E(3) 4 * E(3)^2$	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	0 0	0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 2 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 8	0 0	$0 \mid 0 \mid 0$	0	0	0 (0	8 8	$\begin{vmatrix} 0 & 0 \end{vmatrix}$	0	$0 \mid 0$	0	$0 \mid 0$	0 0	0	0 (0	$0 \mid 0$	$0 \mid 0$	$0 \mid 0$	$0 \mid 0$	0	0 0	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	0	0 0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18}$	8 -4	0 0	0 0 0	0	0	0 (0	8 -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 0	0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 2 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 8	0 0	$0 \mid 0 \mid 0$	0	0	0 (0	$\begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix}$	8 8	0	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	0	0 0	0 0	0	0 (0	$\begin{bmatrix} 0 & 0 \\ 0 & 1 \end{bmatrix}$	0 0	$0 \mid 0$	0 0	0	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 & 0 \end{bmatrix}$		$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	8 -4	0 0	0 0 0	0	0	0 (0	0 0	8 -4	4 0	0 0	0	0 0	0 0	0	0 (0	0 0	0 0	0 0	0 0	0	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	0 0	. 0	0 0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	0	0 (0	0 0	0 0	-	0 0	-		0 0	0	0 (<u> </u>	0 0	0 0	0 0	0 0	0	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	0 0	. 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4	0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	0	0 (0	4 4	0 0		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
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4	0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	0	0 (0	0 0	4 4	-	0 2	0	0 0	0 0	0	0 (0	0 0	0 0	0 0	0 0	0	0 0	0 0		
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4	4 4	0 0 0	0	0	0 (0	0 0	0 0	-	0 0	4	0 0	0 0	0	0 (0	0 0	0 0	0 0	0 0	0	0 0	0 0	, 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4	4 4	0 4 0	0	0	0 (0	0 0	0 0	-	0 0	0 4	4 0	0 0	0	0 (-	0 0	0 0	0 0	0 0	0	0 0	0 0		0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4	0 0	$0 \mid 0 \mid 2$	2 2	2	$\frac{1}{2}$	$\frac{2}{2}$	4 4		0	0 0	0	$0 \mid 2$	$\frac{2}{2}$	0	0 (٠	0 0	0 0	$0 \mid 0$	0 0	0	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	$\begin{vmatrix} 0 & 0 \end{vmatrix}$, ,	0 0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18}$	$\begin{vmatrix} 4 & -2 \end{vmatrix}$	0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2*E(3)	(0)		(-)	$\begin{vmatrix} 4 & -2 \end{vmatrix}$		0	0 0	0	$\begin{array}{c c}0&2\\ \end{array}$	$2*E(3)^2$ $2*E(3)^2$	- / -	0 (·	$\begin{array}{c c} 0 & 0 \end{array}$	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	0 0	0	$\begin{bmatrix} 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 & 0 \end{bmatrix}$, ,	$\begin{bmatrix} 0 & 0 \end{bmatrix}$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18}$	4 -2	0 0	$\frac{0}{0} 0 2$	2 * E(3)	$\frac{3}{2} = \frac{2 * E(3)}{2}$	2 2*E	$E(3)^2 = 2 * E(3)$			-	0 0	-	$\begin{array}{c c} 0 & 2 \\ \hline \end{array}$	2*E(3) $2*E(3)$	$(3)^2 = 0$	0 (-	0 0	0 0	0 0	0 0	0	$\downarrow 0 0$	0 0	. 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	4 4	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{2}{2}$	2	$\begin{vmatrix} 2 & 2 & 2 \\ 2 & 2 & 2 \end{vmatrix}$	$\frac{2}{2}$ $\frac{2}{2}$		$\begin{vmatrix} 4 & 4 \end{vmatrix}$	0	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	0	0 0	0 0	$\frac{2}{2}$	$\frac{2}{2}$	- 1	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$0 \mid 0$	$0 \mid 0$	0 0			$\begin{vmatrix} 0 & 0 \\ 0 & 0 \end{vmatrix}$, I o I	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$
$ \begin{vmatrix} 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} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} \\ \end{vmatrix} $	$\begin{bmatrix} 4 & -2 \\ 4 & 2 \end{bmatrix}$	0 0	$\begin{bmatrix} 0 & 0 & 2 \\ 0 & 0 & 2 \end{bmatrix}$	2 * E(3)	()	2 2*I	(-)			$\begin{bmatrix} 2 & 0 \\ 0 & 0 \end{bmatrix}$	0 0		$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	0 0		$E(3)^2 = 2 * I$	\ /	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$0 \mid 0$	0 0					$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{4}{4}$	0 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{2}{2} + \frac{E(3)}{2}$	$3) 2*E(3)^2$	$2 \times 2 \times E$	$E(3)^2 = 2 * E(3)$			2 0	0 0	0	0 0	0 0	2 2 *	E(3) = 2 * E(3)	$\frac{E(3)^2}{2}$	0 0	0 0	0 0	0 0	0	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{array}{c c} 0 & 0 \\ \hline \end{array}$	-	0 0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}$	4 4	4 4	0 0 0	0	0	0 (0	0 0	0 0	-	$\begin{array}{c c} 0 & 0 \\ \hline \end{array}$	0	0 0	0 0	0	0 (0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	0 0	0 0	0	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{array}{c c} 0 & 0 \\ \hline \end{array}$		$\begin{array}{c c} 0 & 0 \\ \hline \end{array}$
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	$\begin{bmatrix} 4 & 4 \\ 4 & 0 \end{bmatrix}$	4 4	$\begin{bmatrix} 0 & 0 & 4 \\ 0 & 0 & 4 \end{bmatrix}$	4	4		0	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	0 0		0 (٠	$\begin{bmatrix} 0 & 4 \\ 4 & 4 \end{bmatrix}$	-	$0 \mid 0$	0 0	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$, ,	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	4 -2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{1}{2}$	$\frac{-2}{2}$	0 (0	0 0	0 0		$\begin{array}{c c} 0 & 0 \\ \hline \end{array}$	0	0 0	0 0	0	0 (0	0 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0	0 0	0	0 0	0 0	, 0	0 0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$		$\begin{bmatrix} 4 & 4 \\ 4 & 2 \end{bmatrix}$	$\begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$) 0	0	4	$\begin{array}{cccc} 4 & 4 & & & & & & & & & & & & & & & & $	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	0		$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		0 0	0 0		0 (٠	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 & 4 & 4 \\ 0 & 4 \end{bmatrix}$	$\frac{4}{2} \mid 0$	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$		$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		$\begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{4}{4}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$, ,	0	0 ($\frac{-2}{0}$	0 0	0 0	-	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	0	$\frac{0}{0}$	0 0	0	0 (0	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	0 4 -	$\frac{-2}{0}$ $\frac{0}{4}$	4 0		0 0	0 0	, 0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	$\begin{bmatrix} 4 & 4 \\ 4 & 2 \end{bmatrix}$	$\begin{bmatrix} 4 & 4 \\ 4 & 2 \end{bmatrix}$) 0	0) 0	$\begin{bmatrix} 4 & 4 \\ 4 & -2 \end{bmatrix}$	1 -		$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		0 0	0 0		0 (٠	$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		$\begin{bmatrix} 0 & 4 \\ 0 & 4 \end{bmatrix}$	$\begin{bmatrix} 4 & 0 \\ 2 & 0 \end{bmatrix}$			$\begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$		$\begin{bmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix}$
$\frac{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}{1 \cdot \chi_1 + 1 \cdot \chi_1 + 1 \cdot \chi_1 + 0 \cdot \chi_$	$\begin{vmatrix} 4 & -2 \\ 2 & 2 \end{vmatrix}$	$\frac{4}{2}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$) 0	0	0 0	0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			$\begin{array}{c c} 0 & 0 \\ \hline 0 & 0 \end{array}$	0	0 0	0 0	0	0 (0	$\begin{array}{c c} 0 & 0 \\ \hline 0 & 2 \end{array}$	$\frac{0}{2}$	0 4 0	-2 0	0	0 0	0 0		0
$\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_$			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{z}{0}$	0	0 0	0	0 0	0 0		0 0	_	0 0	0 0	0	0 (0 0			0 0	<u> </u>		0
$\frac{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}{1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_$					0	$\begin{array}{c c} 0 & 0 \\ \hline 2 & 2 \end{array}$	0 0				0 0			0 0	0	0 ($\begin{array}{c c} 2 & 0 \\ \hline 0 & 2 \end{array}$				_				
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$						$\begin{vmatrix} 2 \\ 2 \end{vmatrix}$	∠ _1 _1	$\begin{vmatrix} 2 & 2 \\ 2 & -1 \end{vmatrix}$			l l	1		_1 _1	$\begin{vmatrix} 2\\2 \end{vmatrix}$	_1 _		$\begin{array}{c cccc} 0 & 2 & \\ 0 & 2 & - \end{array}$								
$\frac{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}}{1 \cdot \chi_4 + 0 \cdot \chi_9 + 0 \cdot \chi_9 + 0 \cdot \chi_9 + 0 \cdot \chi_9 + 0 \cdot \chi_{19} + 0 \cdot \chi$				$\frac{1}{2}$ -1	$\frac{-1}{2}$		$\frac{1}{1}$ $\frac{1}{1}$				0 0			$\frac{-1}{0}$ $\frac{-1}{0}$	0	<u> </u>		$\begin{array}{c cccc} 0 & 2 & - \\ \hline 2 & 2 & \\ \end{array}$								
$\frac{1 \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} + 0 \cdot \chi_{18}}{1 \cdot \chi_7 + 0 \cdot \chi_9 + 0 \cdot \chi_9 + 0 \cdot \chi_9 + 0 \cdot \chi_{19} + 0 $) 0	0	2 '))	0 0						0 0	0	0 0		$\begin{array}{c cccc} 2 & 2 \\ \hline 0 & 0 \end{array}$								
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$					0	0 ($\frac{2}{0}$				$\begin{array}{c c} 0 & 0 \\ \hline 2 & 2 \end{array}$			0 0	0	0 0		0 0								
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	$\frac{2}{2}$	2 2	$\frac{2}{2}$ $\frac{2}{0}$ $\frac{0}{0}$) 0	0	9 6))				$\begin{array}{c cccc} 2 & 2 \\ \hline 0 & 0 \end{array}$			0 0	0	0 0		$\begin{array}{c c} 0 & 0 \\ \hline 2 & 0 \end{array}$								
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$					1	1	<u>Δ</u>	1 1						1 1	1	1 1										
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18}$	1 1	1 1	1 1 1	1	1	1 .	1	1 1	1 1	T	1 1	1	1 1	1 1	1	1	T	1 1	1 1	1 1	1 1	1	1 1		1	1 1

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

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

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P_4 = Group([(1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,38)(18,25)(20,28)(22,42)(23,31)(26,48)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong \mathbb{C}2
P_5 = Group([(1,1)(2,18)(3,4)(5,25)(6,26)(7,8)(9,32)(10,33)(12,14)(13,15)(16,39)(17,40)(19,21)(20,22)(23,43)(24,44)(27,29)(28,30)(31,47)(34,36)(35,37)(38,48)(41,42)(45,46)]) \cong \mathbb{C}2
P_6 = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,18)(9,21)(10,22)(12,25)(15,26)(16,27)(17,28)(21,32)(22,33)(23,34)(24,35)(29,39)(28,40)(31,42)(34,43)(35,44)(38,46)(41,47)(45,48)]) \cong \mathbb{C}2
P_7 = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,18)(9,19)(10,20)(14,25)(15,26)(16,27)(17,28)(21,32)(22,33)(23,34)(24,45)(29,29)(28,31)(30,44)(33,36)(35,44)(38,45)(42,47)(46,48)]) \cong \mathbb{C}2
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)(24,36)(24,38)(24,36)(24,38)(36,44)(34,46)(37,44)(38,46)(44,47)(44,48)]) \cong \mathbb{C}2
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)(24,36)(24,38)(26,39)(28,41)(30,42)(36,49)(37,34)(34,46)(37,39)]) \cong \mathbb{C}2 \times \mathbb{C}2
P_{10} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,18)(9,19)(10,20)(14,25)(15,26)(16,27)(17,28)(21,32)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,48)(37,44)(38,45)(42,47)(46,48),(1,7)(2,3)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,38)(18,25)(20,28)(22,42)(23,31)(26,48)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong \mathbb{C}2 \times \mathbb{C}2
P_{10} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,18)(9,19)(10,20)(14,25)(15,26)(16,27)(17,28)(21,32)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(42,47)(46,48),(1,7)(2,34)(26,48)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong \mathbb{C}2 \times \mathbb{C}2
P_{10} = Group([(1,3)(2,7)(4,11)(5,12)(6,13)(8,18)(9,19)(10,20)(14,25)(15,26)(16,27)(17,28)(21,33)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(42,47)(46,48),(17,12)(43,45)(43,43)(43,44)(43,43)(43,44)(43,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,44)(44,4
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 $P_{11} = Group([(1,12)(2,19)(3,5)(4,25)(6,27)(7,9)(8,32)(10,34)(11,14)(13,16)(15,39)(17,41)(18,21)(20,23)(22,43)(24,45)(26,29)(28,31)(30,47)(33,36)(35,38)(37,48)(40,42)(44,46),(1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(16,38)(18,25)(20,28)(22,42)(23,31)(26,48)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong C2 \times C2$ $P_{12} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48),(1,21,5,8)(2,14,9,4)(33,212,18)(6,46,16,37)(7,25,19,11)(10,42,23,30)(13,48,27,44)(15,24,29,38)(17,36,31,22)(20,47,34,40)(26,35,39,45)(28,43,41,33)]) \cong C4$ $P_{13} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(17,31)(18,32)(20,34)(22,36)(24,38)(26,39)(28,41)(30,42)(33,43)(35,45)(37,46)(40,47)(44,48),(1,21,5,8)(24,48)(37,44)(39,44)(40,43)]) \cong C2 \times C2$ $P_{14} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,18)(9,21)(10,22)(12,25)(13,26)(16,29)(17,30)(19,32)(20,33)(23,36)(24,37)(27,39)(28,40)(31,42)(34,43)(35,44)(38,46)(41,47)(45,48),(1,3)(27,44)(38,45)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong C2 \times C2$ $P_{14} = Group([(1,4)(2,8)(3,11)(5,14)(6,15)(7,18)(9,21)(10,22)(12,25)(13,26)(16,29)(17,30)(19,32)(20,33)(23,36)(24,37)(27,39)(28,40)(31,42)(34,43)(35,44)(38,45)(27,45)(29,37)(30,36)(33,47)(34,41)(39,44)(40,43)]) \cong C2 \times C2$

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

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

 $P_{21} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(12,34)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(22,33)(23,34)(24,35)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(30,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(36,43)(37,44)(38,45)(29,39)(30,40)(31,41)(39,44)(44,48),(1,11)(2,19)(31,35)(15,46)(61,39)(17,30)(19,32)(20,33)(23,36)(24,37)(27,39)(28,40)(31,41)(39,44)(44,48),(1,11)(2,19)(31,35)(15,46)(61,39)(17,30)(19,32)(20,33)(23,36)(24,37)(27,41)(29,41)(39,44)(49,43)(39,44)(4$

 $P_{20} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(10,23)(11,25)(13,27)(15,29)(23,43)(24,44)(27,29)(28,30)(13,47)(44,48), (1,11)(2,18)(3,4)(5,25)(6,26)(7,8)(9,32)(10,33)(12,14)(13,15)(16,39)(17,36)(12,14)(13,15)(16,39)(17,36)$

 $P_{27} = Group([(1,5)(2,9)(3,12)(4,14)(6,16)(7,19)(8,21)(13,27)(15,29)$

 $N_3 = Group([(1, 7)(2, 3, 1)(3, 2)(3, 1)(3, 2)(3, 1)(3, 2)(3, 3)(2, 3)$

 $N_7 = Group([(1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(11,32)(12,19)(13,35)(15,46)(14,27)(14,29)(13,34)(13,44)(34,43)(34,44)(34,44)(34,43)(34,44)(34$

 $N_{11} = Group([(1,2)(3,7)(4,21)(5,9)(6,24)(8,14)(10,17)(1,32)(12,33)(23,34)(24,35)(29,39)(30,44)(31,41)(33,44)($

 $N_{16} = Group((1,32,5,18)(2,25,9,11)(3,21,12,8)(4,14)(6,48),(1,2)(3,7)(4,21)(5,9)(6,24)(2,31)(2,33)(2,34)(2,35)(2,33)(2,34)(2,33)(2,33)(2,34)(2,33)$

 $2.2 \times 0.2 \times 0.2$