1	a $2a$	5a	7a	10a	5b	35a	7b	10b	5c	35b	35c	7c	10c	5d	35d	35e	35f	10d	35g	35h	35i	35j	35k	35l
$\chi_1$	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
$\chi_2$	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
$\chi_3$	1 - 1	$E(5)^{4}$	1	$-E(5)^4$	$E(5)^{3}$	$E(5)^4$	1	$-E(5)^{3}$	$E(5)^{2}$	$E(5)^{3}$	$E(5)^{4}$	1	$-E(5)^2$	E(5)	$E(5)^{2}$	$E(5)^{3}$	$E(5)^4$	-E(5)	E(5)	$E(5)^{2}$	$E(5)^{3}$	E(5)	$E(5)^{2}$	E(5)
$\chi_4$	1 - 1	$E(5)^{3}$	1	$-E(5)^{3}$	E(5)	$E(5)^{3}$	1	-E(5)	$E(5)^{4}$	E(5)	$E(5)^{3}$	1	$-E(5)^4$	$E(5)^{2}$	$E(5)^4$	E(5)	$E(5)^{3}$	$-E(5)^2$	$E(5)^{2}$	$E(5)^4$	E(5)	$E(5)^{2}$	$E(5)^4$	$E(5)^2$
$\chi_5$	1 - 1	$E(5)^{2}$	1	$-E(5)^2$	$E(5)^4$	$E(5)^{2}$	1	$-E(5)^4$	E(5)	$E(5)^4$	$E(5)^{2}$	1	-E(5)	$E(5)^{3}$	E(5)	$E(5)^4$	$E(5)^{2}$	$-E(5)^3$	$E(5)^{3}$	E(5)	$E(5)^4$	$E(5)^{3}$	E(5)	$E(5)^3$
$\chi_6$	1 - 1	E(5)	1	-E(5)	$E(5)^{2}$	E(5)	1	$-E(5)^2$	$E(5)^{3}$	$E(5)^{2}$	E(5)	1	$-E(5)^{3}$	$E(5)^{4}$	$E(5)^{3}$	$E(5)^{2}$	E(5)	$-E(5)^4$	$E(5)^4$	$E(5)^{3}$	$E(5)^{2}$	$E(5)^4$	$E(5)^{3}$	$E(5)^4$
$\chi_7$	1 1	$E(5)^{4}$	1	$E(5)^{4}$	$E(5)^{3}$	$E(5)^{4}$	1	$E(5)^{3}$	$E(5)^{2}$	$E(5)^{3}$	$E(5)^4$	1	$E(5)^{2}$	E(5)	$E(5)^{2}$	$E(5)^{3}$	$E(5)^4$	E(5)	E(5)	$E(5)^{2}$	$E(5)^{3}$	E(5)	$E(5)^{2}$	E(5)
$\chi_8$	1 1	$E(5)^{3}$	1	$E(5)^{3}$	E(5)	$E(5)^{3}$	1	E(5)	$E(5)^{4}$	E(5)	$E(5)^{3}$	1	$E(5)^{4}$	$E(5)^{2}$	$E(5)^4$	E(5)	$E(5)^{3}$	$E(5)^{2}$	$E(5)^{2}$	$E(5)^4$	E(5)	$E(5)^{2}$	$E(5)^4$	$E(5)^2$
$\chi_9$	1 1	$E(5)^{2}$	1	$E(5)^{2}$	$E(5)^{4}$	$E(5)^{2}$	1	$E(5)^{4}$	E(5)	$E(5)^4$	$E(5)^{2}$	1	E(5)	$E(5)^{3}$	E(5)	$E(5)^4$	$E(5)^{2}$	$E(5)^{3}$	$E(5)^{3}$	E(5)	$E(5)^4$	$E(5)^{3}$	E(5)	$E(5)^3$
$\chi_{10}$	1 1	E(5)	1	E(5)	$E(5)^{2}$	E(5)	1	$E(5)^{2}$	$E(5)^{3}$	$E(5)^{2}$	E(5)	1	$E(5)^{3}$	$E(5)^{4}$	$E(5)^{3}$	$E(5)^{2}$	E(5)	$E(5)^{4}$	$E(5)^4$	$E(5)^{3}$	$E(5)^{2}$	$E(5)^4$	$E(5)^{3}$	$E(5)^4$
$\chi_{11}$	2 0	2	$E(7) + E(7)^6$	0	2	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	0	2	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	0	2	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	0	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7)^3 + E(7)^4$
$\chi_{12}$	2 0	2	$E(7)^2 + E(7)^5$	0	2	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	0	2	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	0	2	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	0	$E(7)^2 + E(7)^5$	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7) + E(7)^6$
$\chi_{13}$	2 0	2	$E(7)^3 + E(7)^4$	0	2	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	0	2	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	0	2	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	0	$E(7)^3 + E(7)^4$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7) + E(7)^6$	$E(7)^2 + E(7)^5$	$E(7)^2 + E(7)^5$
$\chi_{14}$	2 0	$2 * E(5)^4$	$E(7) + E(7)^6$	0	$2 * E(5)^3$				$2 * E(5)^2$	$E(35)^{16} + E(35)^{26}$	$E(35)^3 + E(35)^{18}$	$E(7)^3 + E(7)^4$	0	2 * E(5)	$E(35)^9 + E(35)^{19}$	$E(35)^{11} + E(35)^{31}$	$E(35)^8 + E(35)^{13}$	0	$E(35)^2 + E(35)^{12}$	$E(35)^4 + E(35)^{24}$	$E(35) + E(35)^6$	$E(35)^{17} + E(35)^{32}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{22} + E(35)^{27}$
$\chi_{15}$	2 0	$2 * E(5)^3$	$E(7) + E(7)^6$	0	2 * E(5)	$E(35)^{16} + E(35)^{26}$	$E(7)^2 + E(7)^5$	0	$2*E(5)^4$	$E(35)^2 + E(35)^{12}$	$E(35)^{11} + E(35)^{31}$	$E(7)^3 + E(7)^4$	0	$2*E(5)^2$	$E(35)^{23} + E(35)^{33}$	$E(35)^{17} + E(35)^{32}$	$E(35) + E(35)^6$	0	$E(35)^9 + E(35)^{19}$	$E(35)^3 + E(35)^{18}$	$E(35)^{22} + E(35)^{27}$	$E(35)^4 + E(35)^{24}$	$E(35)^8 + E(35)^{13}$	$E(35)^{29} + E(35)^{34}$
$\chi_{16}$	2 0	$2*E(5)^2$	$E(7) + E(7)^6$	0	$2*E(5)^4$	$E(35)^9 + E(35)^{19}$	$E(7)^2 + E(7)^5$	0	2 * E(5)	$E(35)^{23} + E(35)^{33}$	$E(35)^4 + E(35)^{24}$	$E(7)^3 + E(7)^4$	0	$2*E(5)^3$	$E(35)^2 + E(35)^{12}$	$E(35)^3 + E(35)^{18}$	$E(35)^{29} + E(35)^{34}$	0	$E(35)^{16} + E(35)^{26}$	$E(35)^{17} + E(35)^{32}$	$E(35)^8 + E(35)^{13}$	$E(35)^{11} + E(35)^{31}$	$E(35)^{22} + E(35)^{27}$	$E(35) + E(35)^6$
			$E(7) + E(7)^6$	0	$2 * E(5)^2$	$E(35)^2 + E(35)^{12}$	$E(7)^2 + E(7)^5$	0	$2*E(5)^3$	$E(35)^9 + E(35)^{19}$	$E(35)^{17} + E(35)^{32}$	$E(7)^3 + E(7)^4$	0	$2*E(5)^4$	$E(35)^{16} + E(35)^{26}$	$E(35)^4 + E(35)^{24}$	$E(35)^{22} + E(35)^{27}$	0	$E(35)^{23} + E(35)^{33}$	$E(35)^{11} + E(35)^{31}$	$E(35)^{29} + E(35)^{34}$	$E(35)^3 + E(35)^{18}$	$E(35) + E(35)^6$	$E(35)^8 + E(35)^{13}$
$\chi_{18}$	2 0	$2*E(5)^4$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^3$	$E(35)^3 + E(35)^{18}$	$E(7)^3 + E(7)^4$	0	$2*E(5)^2$	$E(35)^{11} + E(35)^{31}$	$E(35)^8 + E(35)^{13}$	$E(7) + E(7)^6$	0	2 * E(5)	$E(35)^4 + E(35)^{24}$	$E(35) + E(35)^6$	$E(35)^{23} + E(35)^{33}$	0	$E(35)^{17} + E(35)^{32}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{16} + E(35)^{26}$	$E(35)^{22} + E(35)^{27}$	$E(35)^9 + E(35)^{19}$	$E(35)^2 + E(35)^{12}$
$\chi_{19}$	2 0	$2 * E(5)^3$	$E(7)^2 + E(7)^5$	0	2 * E(5)	$E(35)^{11} + E(35)^{31}$	$E(7)^3 + E(7)^4$	0	$2*E(5)^4$	$E(35)^{17} + E(35)^{32}$	$E(35) + E(35)^6$	$E(7) + E(7)^6$	0					0	$E(35)^4 + E(35)^{24}$	$E(35)^8 + E(35)^{13}$	$E(35)^2 + E(35)^{12}$	$E(35)^{29} + E(35)^{34}$	$E(35)^{23} + E(35)^{33}$	$E(35)^9 + E(35)^{19}$
$\chi_{20}$	2 0	$2 * E(5)^2$	$E(7)^2 + E(7)^5$	0	$2 * E(5)^4$	$E(35)^4 + E(35)^{24}$	$E(7)^3 + E(7)^4$	0	2 * E(5)	$E(35)^3 + E(35)^{18}$	$E(35)^{29} + E(35)^{34}$	$E(7) + E(7)^6$	0	$2 * E(5)^3$	$E(35)^{17} + E(35)^{32}$	$E(35)^8 + E(35)^{13}$	$E(35)^9 + E(35)^{19}$	0	$E(35)^{11} + E(35)^{31}$	$E(35)^{22} + E(35)^{27}$	$E(35)^{23} + E(35)^{33}$	$E(35) + E(35)^6$	$E(35)^2 + E(35)^{12}$	$E(35)^{16} + E(35)^{26}$
$\chi_{21}$	2 0	2 * E(5)	$E(7)^2 + E(7)^5$	0	$2 * E(5)^2$	$E(35)^{17} + E(35)^{32}$	$E(7)^3 + E(7)^4$	0	$2 * E(5)^3$	$E(35)^4 + E(35)^{24}$	$E(35)^{22} + E(35)^{27}$	$E(7) + E(7)^6$	0	$2 * E(5)^4$	$E(35)^{11} + E(35)^{31}$	$E(35)^{29} + E(35)^{34}$	$E(35)^2 + E(35)^{12}$	0	$E(35)^3 + E(35)^{18}$	$E(35) + E(35)^6$	$E(35)^9 + E(35)^{19}$	( )	$E(35)^{16} + E(35)^{26}$	$E(35)^{23} + E(35)^{33}$
			$E(7)^3 + E(7)^4$	0	( /	$E(35)^8 + E(35)^{13}$	$E(7) + E(7)^6$	0	$2*E(5)^2$	( ) ( )	$E(35)^{23} + E(35)^{33}$	( )	0	\ /_	\ / _ \ /	$E(35)^{16} + E(35)^{26}$	( )	0	$E(35)^{22} + E(35)^{27}$	( / ( /		( / _ ( /	$E(35)^4 + E(35)^{24}$	
			$E(7)^3 + E(7)^4$	0	2 * E(5)	$E(35) + E(35)^6$	$E(7) + E(7)^6$	0	( /	\ / _ \ \ /	$E(35)^{16} + E(35)^{26}$	( )	0	\ / _	$E(35)^8 + E(35)^{13}$	\ / \ \ /		0	$E(35)^{29} + E(35)^{34}$		$E(35)^{17} + E(35)^{32}$		\ / \ /	$E(35)^4 + E(35)^{24}$
$\chi_{24}$			$E(7)^3 + E(7)^4$	0	` ' -	$E(35)^{29} + E(35)^{34}$	` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	0			( )		0	` ' .	$E(35)^{22} + E(35)^{27}$			0	$E(35) + E(35)^6$	$E(35)^2 + E(35)^{12}$		\ / \ /	· / · · /	$E(35)^{11} + E(35)^{31}$
$\chi_{25}$	2 0	2 * E(5)	$E(7)^3 + E(7)^4$	0	$2*E(5)^2$	$E(35)^{22} + E(35)^{27}$	$E(7) + E(7)^6$	0	$2 * E(5)^3$	$E(35)^{29} + E(35)^{34}$	$E(35)^2 + E(35)^{12}$	$E(7)^2 + E(7)^5$	0	$2*E(5)^4$	$E(35) + E(35)^6$	$E(35)^9 + E(35)^{19}$	$E(35)^{17} + E(35)^{32}$	0	$E(35)^8 + E(35)^{13}$	$E(35)^{16} + E(35)^{26}$	$E(35)^4 + E(35)^{24}$	$E(35)^{23} + E(35)^{33}$	$E(35)^{11} + E(35)^{31}$	$E(35)^3 + E(35)^{18}$

Normalisers $N_i$					$N_1$								$N_2$				
p-subgroups of $G$ up to conjugacy in $G$					$P_1$								$P_2$				
Representatives $n_j \in N_i$	1a	2a $5a$	10a	5b	10b	5c	10c	5d	10 <i>d</i>	1a $5a$	2a $5b$	10a	5c	10b	5d 10	$\partial c$ 10	0d
$\boxed{0 \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25}$	$\cdot \chi_{25} \mid 7$	-1 7	-1	7	-1	7	-1	7	-1	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 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \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} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot $	$\cdot \chi_{25} \mid 7$	1 7	1	7	1	7	1	7	1	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} + 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} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot $	$\cdot \chi_{25} \mid 7$	1 $7 * E(5)$		7 * E(5)	E(5)	$7 * E(5)^4$	$E(5)^{4}$	$7 * E(5)^2$	$E(5)^{2}$	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} + 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} + 1 \cdot \chi_{24} + 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} + 1 \cdot \chi_{24} + 0 \cdot \chi_{19} + 0 \cdot $	$\cdot \chi_{25} \mid 7$	1 $7 * E(5)$	$E(5)^2$	$7 * E(5)^4$	$E(5)^{4}$	7 * E(5)	E(5)	$7 * E(5)^3$	$E(5)^{3}$	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} + 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} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot $		1 $7*E(5)$	$E(5)^4$	$7 * E(5)^3$	$E(5)^{3}$	$7 * E(5)^2$	$E(5)^{2}$	7 * E(5)	E(5)	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} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot $		1 $7 * E(5)$		$7 * E(5)^2$		$7 * E(5)^3$	$E(5)^3$	$7*E(5)^4$	$E(5)^4$	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 + 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_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 1 \cdot \chi_{24} + 0 \cdot $		-1  7 * E(5)	$-\dot{E}(5)$	$7 * E(5)^2$	$-E(5)^{2}$	$7 * E(5)^3$	$-E(5)^{3}$	$7 * E(5)^4$	$-E(5)^4$	0 0	0 0	0	0	0	0 (	) (	0
$ \begin{array}{c} \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} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} + 0 \end{array} $		-1  7 * E(5)	, ,	` ' .	\ /	7 * E(5)	-E(5)	$7 * E(5)^3$	$-E(5)^3$	0 0	0 0	0	0	0	0 (	0 (	0
$\begin{array}{c} \chi_{1} + \chi_{2} + \chi_{3} + \chi_{4} + \chi_{5} + \chi_{6} + \chi_{7} + \chi_{10} + \chi_{10} + \chi_{10} + \chi_{10} + \chi_{11} + \chi_{12} + \chi_{13} + \chi_{12} + \chi_{13} + \chi_{12} + \chi_{13} + \chi_{14} + \chi_{15} + \chi_{16} + \chi_{17} + \chi_{19} + \chi_{$		-1  7 * E(5)		( )	\ /		\ /	\ /	$-E(5)^{2}$	0 0	0 0	0	0	0	0 (	0 (	0
$\begin{array}{c} \chi_{1} + \chi_{2} + \chi_{3} + \chi_{3} + \chi_{4} + \chi_{5} + \chi_{6} + \chi_{7} + \chi_{10} + \chi_{10} + \chi_{10} + \chi_{11} + \chi_{12} + \chi_{13} + \chi_{14} + \chi_{15} + \chi_{16} + \chi_{17} + \chi_{18} + \chi_{19} + \chi_{20} + \chi_{21} + \chi_{22} + \chi_{23} + \chi_{24} + \chi_{24} + \chi_{15} + \chi_{16} + \chi_{17} + \chi_{18} + \chi_{19} + \chi_{1$	/ 4-0	-1  7 * E(5)	\ /	$7*E(5)^3$					-E(5)	0 0	0 0	0	0	0	0	0 (	0
$\frac{1}{\sqrt{1}+0}\cdot \chi_{2}+0\cdot \chi_{3}+0\cdot \chi_{4}+0\cdot \chi_{5}+0\cdot \chi_{6}+0\cdot \chi_{7}+0\cdot \chi_{8}+0\cdot \chi_{9}+0\cdot \chi_{10}+0\cdot \chi_{11}+0\cdot \chi_{12}+0\cdot \chi_{13}+0\cdot \chi_{14}+0\cdot \chi_{15}+0\cdot \chi_{16}+0\cdot \chi_{17}+0\cdot \chi_{18}+0\cdot \chi_{19}+0\cdot \chi_{20}+0\cdot \chi_{21}+0\cdot \chi_{22}+0\cdot \chi_{23}+0\cdot \chi_{24}+0\cdot \chi_{15}+0\cdot \chi_{16}+0\cdot \chi_{17}+0\cdot \chi_{18}+0\cdot \chi_{19}+0\cdot \chi_{19}+0$	7.0-0	1 1	1	1	1	1	1	1	1	1 1	1 1	1	1	1	1	1 7	1
$\begin{array}{c} \chi_{1} + \sigma & \chi_{2} + \sigma & \chi_{3} + \sigma & \chi_{4} + \sigma & \chi_{5} + \sigma & \chi_{6} + \sigma & \chi_{7} + \sigma & \chi_{8} + \sigma & \chi_{10} + \sigma & \chi_{11} + \sigma & \chi_{12} + \sigma & \chi_{13} + \sigma & \chi_{11} + \sigma & \chi_{11} + \sigma & \chi_{12} + \sigma & \chi_{13} + \sigma & \chi_{14} + \sigma & \chi_{15} + \sigma & \chi_{16} + \sigma & \chi_{17} + \sigma & \chi_{18} + \sigma & \chi_{21} + \sigma & \chi_{22} + \sigma & \chi_{23} + \sigma & \chi_{24} + \sigma & \chi_{15} + \sigma & \chi_{16} + \sigma & \chi_{17} + \sigma & \chi_{18} + \sigma & \chi_{19} + \sigma & \chi_{19}$		_1 1	_1	1	_1 _1	1	_1	1	-1	1 1	_1 1	_1	1	_1 _1	1 -	-1 -	_1
$\frac{1}{1} + \frac{1}{1} + \frac{1}$		1 $E(5)^4$	$E(5)^4$	$E(5)^{3}$	$E(5)^{3}$	$E(5)^{2}$	$E(5)^{2}$	E(5)	E(5)	1 $E(5)^4$	1 $E(5)^{\circ}$	$E(5)^4$	$E(5)^{2}$	$E(5)^3$	E(5) $E($	$5)^2$ E/	$\mathbb{Z}(5)$
$ \begin{array}{c} \chi_{1} + \sigma \ \chi_{2} + \sigma \ \chi_{3} + \sigma \ \chi_{4} + \sigma \ \chi_{5} + \sigma \ \chi_{6} + \sigma \ \chi_{7} + \sigma \ \chi_{8} + \sigma \ \chi_{9} + \sigma \ \chi_{10} + \sigma \ \chi_{11} + \sigma \ \chi_{12} + \sigma \ \chi_{13} + \sigma \ \chi_{14} + \sigma \ \chi_{15} + \sigma \ \chi_{16} + \sigma \ \chi_{17} + \sigma \ \chi_{18} + \sigma \ \chi_{19} + \sigma \ \chi_{20} + \sigma \ \chi_{21} + \sigma \ \chi_{23} + \sigma \ \chi_{24} + \sigma \ \chi_{14} + \sigma \ \chi_{15} + \sigma \ \chi_{16} + \sigma \ \chi_{17} + \sigma \ \chi_{18} + \sigma \ \chi_{19} + \sigma \ \chi_{20} + \sigma \ \chi_{21} + \sigma \ \chi_{22} + \sigma \ \chi_{23} + \sigma \ \chi_{24} + \sigma \ \chi_{24}$		1   E(5)	E(5)	$E(5)^2$	$E(5)^2$	$E(5)^3$	$E(5)^3$	$E(5)^4$	$E(5)^4$	1 $E(5)$	1 $E(5)'$	$\frac{E(5)}{2}$	$E(5)^3$	$E(5)^2$	$E(5)^4$ $E(5)^4$	$(5)^3   E(5)^3$	
		$E(5)^2$	$E(5)^2$	$E(5)^4$	$E(5)^4$	E(5)	E(5)	$E(5)^3$	$E(5)^3$	$E(5)^2$	1 $E(5)$	$\frac{L(5)}{4}$	E(5)	· / .	$E(5)^3$ $E(5)^3$	` '	$(5)^3$
$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 + 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} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot $		$E(5)^3$	$E(5)^3$	E(5)	E(5) $E(5)$	$E(5)^4$	$E(5)^4$	$E(5)^2$	$E(5)^2$	$E(5)^3$	1 E(5)	E(3)	$E(5)^4$	( )	( )	$(5)^4   E(5)^4$	\ /
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+1\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{18}+0\cdot\chi_{19}+0$		\ /	` ' .	( )	( )	( )		( )	\ /	( )	1   E(3)	$E(3)^{\circ}$	\ /	( )	( )	( )	\ /
$0\cdot\chi_{1}+0\cdot\chi_{2}+1\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{19}+0\cdot\chi_{20}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{19}+0$		$-1   E(5)^4$	$-E(5)^4$	$E(5)^3$	$-E(5)^{3}$	$E(5)^2$	$-E(5)^2$	E(5)	-E(5)	1 $E(5)^4$	$-1   E(5)^{\circ}$	$-E(5)^{2}$	( )	$-E(5)^3$		\ /	E(5)
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} +$		-1   E(5)	-E(5)	$E(5)^2$	$-E(5)^2$	$E(5)^3$	$-E(5)^{3}$		$-E(5)^4$		$-1   E(5)^2$	-E(5)	( )	$-E(5)^2$ I		$E(5)^3 - E(5)^3$	\ /
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 1 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} +$		$-1   E(5)^2$	$-E(5)^{2}$		$-E(5)^4$	E(5)	-E(5)		$-E(5)^{3}$	1 $E(5)^2$	$-1  E(5)^4$	$E(5)^2$		$-E(5)^4$		E(5) - E(6)	\ /
$0 \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_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 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_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot $	$\cdot \chi_{25} \mid 1$	$-1   E(5)^3$	$-E(5)^{3}$	E(5)	-E(5)	$E(5)^4$	$-E(5)^4$	$E(5)^{2}$	$-E(5)^2$	$1   E(5)^3$	-1 $E(5)$	$-E(5)^3$	$E(5)^4$	-E(5) I	$E(5)^2 - E$	$C(5)^4 - E(6)^4$	$J(5)^2$

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

 $P_2 = Group([(1,4,9,16,25,35,45)(2,6,12,20,30,40,50)(3,8,15,24,34,44,54)(5,11,19,29,39,49,58)(7,14,23,33,43,53,61)(10,18,28,38,48,57,64)(13,22,32,42,52,60,66)(17,27,37,47,56,63,68)(21,31,41,51,59,65,69)(26,36,46,55,62,67,70)]) \cong C7$ 

 $N_1 = Group([(1,2)(3,5)(4,50)(6,45)(7,10)(8,58)(9,40)(11,54)(12,35)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,55)(21,34)(43,52,32)(42,52)(63,63)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,65)(47,52)(51,62)(53,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,55)(47,52)(51,62)(53,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,56)(47,52)(51,62)(53,59)(33,48)(36,69)(37,60)(38,43)(41,67)(42,56)(46,56)(47,52)(51,62)(53,59)(43,43,53,61)(41,67)(42,56)(46,56)(47,52)(43,43,43,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,43,44,54)(41,67)(42,56)(43,44,54)(43,44,54)(43,44,54)(43,44,54)(43,44,54)(43,4$