	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 !	ι 1	1	_
	χ_3 1	1 - 1	1 - 1	-1	1	1	1 1	1 - 1	l 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 !	ι -1	1	1
	χ_5 1	1 - 1	1 - 1	. 1	1	1	1 –	-1 -1	l -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 1	1	-1	1	-1 -	.1 1	-1	1
	χ_7 1	1 - 1	1 1	-1	1	1	-1 1	1 - 1	l -1	1	1	-1 ·	-1 $$	1 1	-1	1	-1	-1 1	l = -1	. 1	_
	χ_8 1	1 - 1	1 1	1	-1	1	-1 -	-1 1	1	-1	1	-1	1 -	-1 -1	. 1	1	-1	1 -	-1	. 1	_
	χ_9 1	1 - 1	1 1	1	1	1	-1 -	-1 -1	l 1	1	1	1	1 1	1 -1	-1	-1	1	1 1	1 1	-1	1
	χ_{10} 1	1 1	-1	1	-1	1	-1 -	-1 -1	l 1	1	-1	1 -	-1 -	-1 1	1	1	-1	1 !	1 1	-1	_
	χ_{11} 1	1 1	-1	1	1	1	-1 -	-1 1	1	-1	-1	-1 ·	-1 i	1 1	-1	-1	1	1 -	-1	. 1	1
	χ_{12} 1	1 1	-1	. 1	-1	1	-1 1	1 - 1	l -1	1	-1	-1	1 -	-1 -1	. 1	-1	1	-1 1	l = -1	. 1	1
	χ_{13} 1	1 1	-1	. 1	1	1	-1 1	1 1	-1	-1	-1	1	1 1	1 -1	1	1	-1	-1 -	$\cdot 1$ 1	-1	_
	χ_{14} 1	1 1	1	-1	-1	1	1 -	-1 -1	l -1	-1	1	1 .	-1 -	-1 -1	1	1	1	-1 -	$\cdot 1$ 1	1	1
	χ_{15} 1	1 1	1	-1	1	1	1 -	-1 1	-1	1	1	-1 ·	-1 $$	1 -1	. 1	-1	-1	-1 1	l = -1	-1	_
	χ_{16} 1	1 1	1	1	-1	1	1 1	1 - 1	l 1	-1	1	-1	1 -	-1 1	-1	-1	-1	1 -	-1	-1	_
	χ_{17} 2	2 0	-2	-2	-2	-1	0 (0 0	2	2	1	2	1	1 0	0	0	-2	-1 -	-1	. 0	1
	χ_{18} 2	2 0	-2	-2	2	-1	0 (0 0	2	-2	1	-2	1 -	-1 0	0	0	2	-1 1	1	0	_
	χ_{19} 2	2 0	-2	2	-2	-1	0 (0 0	-2	2	1	-2	-1 $$	1 0	0	0	2	1 -	$\cdot 1$ 1	0	_
	χ_{20} 2	2 0	-2	2	2	-1	0 (0 0	-2	-2	1	2 -	-1 -	-1 0	0	0	-2	1 1	l = -1	. 0	1
	χ_{21} 2	2 0	2	-2	-2	-1	0 (0 0	-2	-2	-1	2	1	1 0	0	0	2	1 1	l = -1	. 0	_
	χ_{22} 2	2 0	2	-2	2	-1	0 (0 0	-2	2	-1	-2	1 -	-1 0	0	0	-2	1 -	$\cdot 1$ 1	0	1
	χ_{23} 2	2 0	2	2	-2	-1	0 (0 0	2	-2	-1	-2	-1 $$	1 0	0	0	-2	-1 !	1 1	0	1
	χ_{24} 2	2 0	2	2	2	-1	0 (0 0	2	2	-1	2 -	-1 -	-1 0	0	0	2	-1 -	-1 -1	. 0	_
	<u>'</u>																				
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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 2	2b $2c$	2d 2	2e $2f$	2g 2	h = 2i	2j 2	k = 2l	2m $2n$	2o	1a 2d	2c $2b$	2a	2j $2i$	2g - 2l	a = 2f = 2	2e 2n	2m - 2l	2k $2o$
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} +$	24 3	1 3	3 3	3	1 1	1 ;	3	3 1	1 1	1 3	1	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} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 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} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{19} + 0 \cdot \chi_{19} + 0$		-1 3	3 3	3 –	-1 -1	-1	3	3 –	-1 -1	-1 3	-1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		-1 -	-3 -3	-3	1 1	1 ;	3	3 –	-1 -1	-1 -3	3 1	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 + 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} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} + 0 \cdot$	$_{24}$ 3	1 –	-3 -3	-3 -	-1 -1	-1	3	3 1	1 1	1 -3	3 -1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} +$		-1 -	-3 -3	3	1 1	-1	3 -3	-3 -	-1 1	1 3	-1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24}$ 3	1 –	-3 -3	3 –	-1 -1	1 :	3 -3	-3 1	1 - 1	-1 3	1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24} \mid 3$	-1 -	-3 3	-3	1 - 1	1 -	-3 3	-3 1	1 - 1	1 3	-1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24} \mid 3$	1 –	-3 3	-3 -	-1 1	-1 -	-3 3	-3 -	-1 1	-1 3	1	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 + 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} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 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_{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} + 0$	-	-1 -	-3 3	3	1 - 1	-1 -	-3 -3	3 1	1 1	-1 -3	3 1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} +$	$_{24} \mid 3$	1 –	-3 3	3 –	-1 1	1 -	-3 -3	3 –	-1 -1	1 -3	3 -1	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 + 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} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} \end{vmatrix} $	$_{24} \mid 3$	1 3	3 - 3	-3	1 - 1	-1 -	-3 -3	3 –	-1 -1	1 3	1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 1 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} +$	$_{24}$ 3	-1 3	3 - 3	-3 -	-1 1	1 -	-3 -3	3 1	1 1	-1 3	-1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} +$	$_{24}$ 3	-1 3	3 -3	3 –	-1 1	-1 -	-3 3	-3 1	1 - 1	1 -3	3 1	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 + 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} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot$	$_{24}$ 3	1 3	3 -3	3	1 - 1	1 -	-3 3	-3 -	-1 1	-1 -3	3 -1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24}$ 3	-1 3	3 3	-3 -	-1 -1	1 :	3 -3	-3 -	-1 1	1 -3	3 1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24}$ 3	1 3	3 3	-3	1 1	-1 :	3 -3	-3 1	1 - 1	-1 -3	3 -1	0 0	0 0	0	0 0	0 0	0	0 0	0 0	0 0
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	24 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	1 1	1 1
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 1 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24} \mid 1$	-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 -1	-1 -1
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} +$	$_{24} \mid 1$	1 –	-1 1	1 –	-1 1	1 -	-1	1 –	-1 -1	1 - 1	$\lfloor -1 \rfloor$	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 + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{10} + 0 \cdot$	$_{24} \mid 1$	-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	-1 1	1 1
$ \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} + 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} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} + 0$	$_{24} \mid 1$	1 1	1 - 1	1 1	1 - 1	1 -	$\cdot 1$ 1	-1 -	-1 1	-1 -1	$\lfloor -1 \rfloor$	1 1	-1 1	1 -	-1 1	1 –	1 - 1	1 - 1	-1 1	-1 -1
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 1 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24}$ 1	-1 1	1 - 1	1 –	-1 1	-1 -	$\cdot 1$ 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
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24} \mid 1$	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	-1 -1	1 1
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 1 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24} \mid 1$	-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 1	-1 -1
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24} \mid 1$	1 1	1 1	-1	1 1	-1	1 - 1	-1 1	1 - 1	-1 -1	$\lfloor -1 \rfloor$	1 -1	1 1	1 .	-1 -1	-1 1	1	1 - 1	-1 -1	1 -1
$ \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 + 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_{25} + 0$	$_{24} \mid 1$	-1 1	1 1	-1 -	-1 -1	1	1 - 1	-1 -	-1 1	1 - 1	l 1	1 -1	1 1	-1	-1 -1	1 1	-1 -	-1 -1	1 1	-1 1
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} +$	$_{24}$ 1	1 –	-1 1	-1 -	-1 1	-1 -	$\cdot 1$ 1	-1 -	-1 1	-1 1	1	1 -1	1 -1	1 1	-1 1	-1 -	1 1 -	-1 1	-1 1	-1 1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24} \mid 1$	-1 -	-1 1	-1	1 - 1	1 -	$\cdot 1$ 1	-1 1	1 - 1	1 1	-1	1 -1	1 -1	-1	-1 1	1 –	1 - 1	1 1	1 -1	1 -1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24} \mid 1$	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 -1	-1 1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$_{24}$ 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 1	1 -1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1 –	-1 -1	-1 -	-1 -1	-1	1 1	1 1	1 1	1 -1	$\lfloor -1 \rfloor$	1 -1	-1 -1	1	1 1	-1 1	-1 -	-1 -1	1 1	1 -1
$0 \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} +$	$_{24} \mid 1$	-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	-1 1

 $P_2 = Group([(1,17,6)(2,24,10)(3,28,13)(4,30,15)(5,31,16)(7,35,20)(8,37,22)(9,38,23)(11,40,26)(12,41,27)(14,42,29)(18,44,33)(19,45,34)(21,46,36)(25,47,39)(32,48,43)]) \cong C3$