1a 2a 2	2b	19a 2	2c $38a$	19b	38b	19c	38c	19d	38d	19e	38e	19f	38f	19g	38g	19h	38h	19i	38i
χ_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
χ_3 1 -1	1	1 -	-1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
$ \chi_4 $ 1 1 -	-1	1 -	-1 -1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1
χ_5 2 0	E(19)	$(9)^6 + E(19)^{13}$	$0 \qquad E(19)^6 + E(19)^{13}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$
χ_6 2 0	2 E(19)	$(9)^2 + E(19)^{17}$	$0 E(19)^2 + E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	2 E(19)	$(9)^7 + E(19)^{12}$	$0 \qquad E(19)^7 + E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$
χ_8 2 0	2 E(19)	$(9)^5 + E(19)^{14}$	$0 \qquad E(19)^5 + E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$
$ \chi_9 2 = 0$	2 E(19)	$(9)^4 + E(19)^{15}$	$0 \qquad E(19)^4 + E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$
$ \chi_{10} 2 = 0$	2 E(19)	$(9)^8 + E(19)^{11}$	$0 \qquad E(19)^8 + E(19)^{11}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$
$\left \begin{array}{c ccc} \chi_{11} & 2 & 0 \end{array}\right $	$2 \stackrel{\frown}{E(19)}$	$(9) + E(19)^{18}$	$0 \qquad E(19) + E(19)^{18}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$
$\left \begin{array}{c cc} \chi_{12} & 2 & 0 \end{array}\right $	2 E(19)	$(9)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19) + E(19)^{18}$	$E(19) + E(19)^{18}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$E(19)^2 + E(19)^{17}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19)^6 + E(19)^{13}$	$E(19)^6 + E(19)^{13}$	$E(19)^4 + E(19)^{15}$	$E(19)^4 + E(19)^{15}$	$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$
$\begin{vmatrix} \chi_{13} & 2 & 0 \end{vmatrix}$	2 E(19)	$9)^3 + E(19)^{16}$	$E(19)^3 + E(19)^{16}$	$E(19)^{6} + E(19)^{13}$	$E(19)^{6} + E(19)^{13}$	$E(19)^9 + E(19)^{10}$	$E(19)^9 + E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$E(19)^7 + E(19)^{12}$			$E(19) + E(19)^{18}$		` ' _ ` ` '		$E(19)^5 + E(19)^{14}$	$E(19)^5 + E(19)^{14}$	$E(19)^8 + E(19)^{11}$	$E(19)^8 + E(19)^{11}$
$\left \begin{array}{c cccc} \chi_{14} & 2 & 0 \end{array}\right $	-2 $E(19)$	$(9)^6 + E(19)^{13}$	$0 -E(19)^6 - E(19)^{13}$	$E(19)^7 + E(19)^{12}$	$-E(19)^7 - E(19)^{12}$	$E(19) + E(19)^{18}$	$-E(19) - E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$-\dot{E}(19)^5 - \dot{E}(19)^{14}$	$E(19)^8 + E(19)^{11}$	$-E(19)^8 - E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$-E(19)^2 - E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$-E(19)^4 - E(19)^{15}$	$E(19)^9 + E(19)^{10}$	$-E(19)^9 - E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$-E(19)^3 - E(19)^{16}$
$\left \begin{array}{c ccc} \chi_{15} \end{array}\right 2 0 -$	-2 $E(19)$	$(9)^2 + E(19)^{17}$	$0 - E(19)^2 - E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$-E(19)^4 - E(19)^{15}$	$E(19)^6 + E(19)^{13}$	$-E(19)^6 - E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$-E(19)^8 - E(19)^{11}$	$E(19)^9 + E(19)^{10}$	$-E(19)^9 - E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$-E(19)^7 - E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$-E(19)^5 - E(19)^{14}$	$E(19)^3 + E(19)^{16}$	$-E(19)^3 - E(19)^{16}$	$E(19) + E(19)^{18}$	$-E(19) - E(19)^{18}$
$\left \begin{array}{c ccc} \chi_{16} \end{array}\right 2 0 -$	-2 $E(19)$	$9)^7 + E(19)^{12}$	$0 -E(19)^7 - E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$-E(19)^5 - E(19)^{14}$	$E(19)^2 + E(19)^{17}$	$-E(19)^2 - E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$-E(19)^9 - E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$-E(19)^3 - E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$-E(19)^4 - E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$-E(19)^8 - E(19)^{11}$	$E(19) + E(19)^{18}$	$-E(19) - E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$-E(19)^6 - E(19)^{13}$
$ \chi_{17} 2 0$	-2 $E(19)$	$9)^5 + E(19)^{14}$	$0 -E(19)^5 - E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$-E(19)^9 - E(19)^{10}$	$E(19)^4 + E(19)^{15}$	$-E(19)^4 - E(19)^{15}$	$E(19) + E(19)^{18}$	$-E(19) - E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$-E(19)^{6}-E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$-E(19)^8 - E(19)^{11}$	$E(19)^3 + E(19)^{16}$	$-E(19)^3 - E(19)^{16}$	$E(19)^2 + E(19)^{17}$	$-E(19)^2 - E(19)^{17}$	$E(19)^7 + E(19)^{12}$	$-E(19)^7 - E(19)^{12}$
$\begin{vmatrix} \chi_{18} & 2 & 0 \end{vmatrix}$	-2 $E(19)$	$9)^4 + E(19)^{15}$	$0 -E(19)^4 - E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$-E(19)^8 - E(19)^{11}$	$E(19)^7 + E(19)^{12}$	$-E(19)^{7}-E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$-E(19)^3 - E(19)^{16}$	$E(19) + E(19)^{18}$	$-E(19) - E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$-E(19)^5 - E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$-E(19)^9 - E(19)^{10}$	$E(19)^6 + E(19)^{13}$	$-E(19)^{6}-E(19)^{13}$	$E(19)^2 + E(19)^{17}$	$-E(19)^2 - E(19)^{17}$
$ \chi_{19} 2 = 0$	-2 $E(19)$	$9)^8 + E(19)^{11}$	$0 -E(19)^8 - E(19)^{11}$	$E(19)^3 + E(19)^{16}$												$E(19)^7 + E(19)^{12}$	$-E(19)^{7}-E(19)^{12}$	$E(19)^4 + E(19)^{15}$	$-E(19)^4 - E(19)^{15}$
$ \chi_{20} 2 = 0$	-2 $E(19)$	$(9) + E(19)^{18}$	$0 - E(19) - E(19)^{18}$	$E(19)^2 + E(19)^{17}$. , , , , , , , , , , , , , , , , , , ,		. , , , , , , , , , , , , , , , , , , ,					$E(19)^6 + E(19)^{13}$. ,	$E(19)^9 + E(19)^{10}$	$-E(19)^9 - E(19)^{10}$
$\begin{vmatrix} \chi_{21} \\ \chi_{21} \end{vmatrix} = 0$	-2 $E(19)$	$(9)^9 + E(19)^{10}$	$0 - E(19)^9 - E(19)^{10}$	· / / / / /	\ /	()	()	()	()	()	()	$E(19)^3 + E(19)^{16}$	() ()	()	()	` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	\	\ /_ \ \ / a.a	$-E(19)^5 - E(19)^{14}$
$\begin{vmatrix} \chi_{22} \\ \chi_{22} \end{vmatrix}$ 2 0 -	-2 $E(19)$	$9)^3 + E(19)^{16}$	$0 -E(19)^3 - E(19)^{16}$	$E(19)^{6} + E(19)^{13}$	$-E(19)^{6}-E(19)^{13}$	()	()	()	()	()	()	()	() ()	()	()	$E(19)^5 + E(19)^{14}$	$-E(19)^5 - E(19)^{14}$	$E(19)^8 + E(19)^{11}$	$-E(19)^8 - E(19)^{11}$

Normalisers N_i					N_1									N_2					$N_3 \mid N_4 \mid N_5$
p-subgroups of G up to conjugacy in G					P_1									P_2					P_3 P_4 P_5
Representatives $n_j \in N_i$	1a 19a	19b	19c	19d	19e	19 <i>f</i>	19 <i>g</i>	19h	19i	1a 19d	19h	19 <i>g</i>	19c	19a	19e	19i	19 <i>f</i>	19b	1a 1a 1a
$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_{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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $	$-0 \cdot \chi_{22}$ 4 4	4	4	4	4	4	4	4	4	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 + 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} + 1 \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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22} \mid 4 2 * E(19)^7 + 2 * E($	$(9)^{12} 2 * E(19)^5 + 2 * E(19)^1$	$4 2 * E(19)^2 + 2 * E(19)^{17}$	$^{7} 2*E(19)^{9} + 2*E(19)^{10}$	$2*E(19)^3 + 2*E(19)^{10}$	$6 2 * E(19)^4 + 2 * E(19)^{15}$	$2*E(19)^8 + 2*E(19)^{11}$	$2*E(19) + 2*E(19)^{18}$	$2*E(19)^6 + 2*E(19)^{13}$	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 + 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} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$+0\cdot\chi_{22} \mid 4 2*E(19)^5 + 2*E(19)^5$	$(9)^{14} 2*E(19)^9 + 2*E(19)^1$	$0 2 * E(19)^4 + 2 * E(19)^{15}$	$5 2 * E(19) + 2 * E(19)^{18}$	$2*E(19)^6 + 2*E(19)^1$	3 2 * $E(19)^{8}$ + 2 * $E(19)^{11}$	$2*E(19)^3 + 2*E(19)^{16}$	$2*E(19)^2 + 2*E(19)^{17}$	$2*E(19)^7 + 2*E(19)^{12}$	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} + 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_{20} + 1 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$+0\cdot\chi_{22} \mid 4 2*E(19)^9 + 2*E($	$(9)^{10} 2*E(19) + 2*E(19)^{18}$	$2*E(19)^8 + 2*E(19)^{11}$	$2 * E(19)^2 + 2 * E(19)^{17}$	$7 2 * E(19)^7 + 2 * E(19)^{15}$	$2 * E(19)^3 + 2 * E(19)^{16}$	$2 * E(19)^6 + 2 * E(19)^{13}$	$2*E(19)^4 + 2*E(19)^{15}$	$2*E(19)^5 + 2*E(19)^{14}$	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} + 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} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$+0\cdot\chi_{22} \mid 4 2*E(19) + 2*E(19)$	$(9)^{18} 2*E(19)^2 + 2*E(19)^1$	$^{7} 2*E(19)^{3} + 2*E(19)^{16}$	$6 2 * E(19)^4 + 2 * E(19)^{15}$	$2*E(19)^5 + 2*E(19)^1$	4 2 * $E(19)^{6}$ + 2 * $E(19)^{13}$	$2*E(19)^7 + 2*E(19)^{12}$	$2*E(19)^8 + 2*E(19)^{11}$	$2*E(19)^9 + 2*E(19)^{10}$	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} + 1 \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_{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_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $	$-0 \cdot \chi_{22} \mid 4 2 * E(19)^2 + 2 * E($	$(9)^{17} 2 * E(19)^4 + 2 * E(19)^1$	$5 2 * E(19)^6 + 2 * E(19)^{13}$	$^{3} 2*E(19)^{8} + 2*E(19)^{11}$	$2*E(19)^9 + 2*E(19)^{19}$	0 2 * $E(19)^{7}$ + 2 * $E(19)^{12}$	$2 * E(19)^5 + 2 * E(19)^{14}$	$2*E(19)^3 + 2*E(19)^{16}$	$2*E(19) + 2*E(19)^{18}$	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} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22} \mid 4 2 * E(19)^4 + 2 * E($	$(9)^{15} 2 * E(19)^8 + 2 * E(19)^1$	$1 2 * E(19)^7 + 2 * E(19)^{12}$	$2 * E(19)^3 + 2 * E(19)^{16}$	$2*E(19) + 2*E(19)^{18}$	$2 * E(19)^5 + 2 * E(19)^{14}$	$2 * E(19)^9 + 2 * E(19)^{10}$	$2*E(19)^6 + 2*E(19)^{13}$	$2*E(19)^2 + 2*E(19)^{17}$	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} + 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} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22} \mid 4 2 * E(19)^6 + 2 * E($	$(9)^{13} 2 * E(19)^7 + 2 * E(19)^1$	$2 * E(19) + 2 * E(19)^{18}$	$2*E(19)^5 + 2*E(19)^{14}$	$2*E(19)^8 + 2*E(19)^1$	$1 2 * E(19)^2 + 2 * E(19)^{17}$	$2 * E(19)^4 + 2 * E(19)^{15}$	$2 * E(19)^9 + 2 * E(19)^{10}$	$2*E(19)^3 + 2*E(19)^{16}$	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} + 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_{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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-1 \cdot \chi_{22} \mid 4 2 * E(19)^3 + 2 * E($	$(9)^{16} 2 * E(19)^6 + 2 * E(19)^1$	$^{3} 2*E(19)^{9} + 2*E(19)^{10}$	$0 2 * E(19)^7 + 2 * E(19)^{12}$	$2 * E(19)^4 + 2 * E(19)^{19}$	$5 2 * E(19) + 2 * E(19)^{18}$	$2 * E(19)^2 + 2 * E(19)^{17}$	$2 * E(19)^5 + 2 * E(19)^{14}$	$2*E(19)^8 + 2*E(19)^{11}$	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 + 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} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22} \mid 4 2 * E(19)^8 + 2 * E($	$(9)^{11} 2 * E(19)^3 + 2 * E(19)^1$	$6 2 * E(19)^5 + 2 * E(19)^{14}$	$4 2 * E(19)^6 + 2 * E(19)^{13}$	$2*E(19)^2 + 2*E(19)^1$	$^{7} 2*E(19)^{9} + 2*E(19)^{10}$	$2 * E(19) + 2 * E(19)^{18}$	$2 * E(19)^7 + 2 * E(19)^{12}$	$2 * E(19)^4 + 2 * E(19)^{15}$	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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $	$-0\cdot\chi_{22}$ 2 2	2	2	2	2	2	2	2	2	2 2	2	2	2	2	2	2	2	2	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 + 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} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22}$ 2 $E(19)^5 + E(19)^5$		$E(19)^4 + E(19)^{15}$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$E(19)^3 + E(19)^{16}$	$E(19)^2 + E(19)^{17}$	$E(19)^7 + E(19)^{12}$	(-) . (-/ (-/ '	(-) . (-	$E(19)^4 + E(19)^1$	(- / ' (- /	(-) ' (- ,	/ (- / ' (- /	(-) ' (- ,	/ (- / ' (
$ \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} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22} \mid 2$ $E(19)^3 + E(19)^3$	$E(19)^6 + E(19)^{13}$	$E(19)^9 + E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$E(19)^4 + E(19)^{15}$	$E(19) + E(19)^{18}$	$E(19)^2 + E(19)^{17}$	$E(19)^5 + E(19)^{14}$	$E(19)^8 + E(19)^{11}$				$E(19)^9 + E(19)^1$						
$ \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} + 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_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22}$ 2 $E(19)^9 + E(19)^9$	$E(19) + E(19)^{18}$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$E(19)^6 + E(19)^{13}$	$E(19)^4 + E(19)^{15}$	$E(19)^5 + E(19)^{14}$				$E(19)^8 + E(19)^1$						
$ \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} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 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_{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_{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_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0$	$-0 \cdot \chi_{22}$ 2 $E(19)^6 + E(19)^6$	$E(19)^7 + E(19)^{12}$	$E(19) + E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$E(19)^9 + E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$2 E(19)^5 + E($	$(19)^{14}$ $E(19)^9 + E(1)$	$E(19)^4 + E(19)^4 + E(19$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^8$	$E(19)^3 + E(19)$	$E(19)^2 + E(19)^2$	$E(19)^7 + E(19)^7 + E(19$	$(19)^{12} \mid 0 \mid 0 \mid 0$
$ \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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22}$ 2 $E(19)^4 + E(19)^6$	$E(19)^8 + E(19)^{11}$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$E(19) + E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$E(19)^6 + E(19)^{13}$	$E(19)^2 + E(19)^{17}$				$E(19)^7 + E(19)^1$						
$ \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} + 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_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$+0\cdot\chi_{22}$ 2 $E(19)+E(19)^1$	$E(19)^2 + E(19)^{17}$	$E(19)^3 + E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$E(19)^5 + E(19)^{14}$	$E(19)^6 + E(19)^{13}$	$E(19)^7 + E(19)^{12}$	$E(19)^8 + E(19)^{11}$	$E(19)^9 + E(19)^{10}$				$E(19)^3 + E(19)^3$						
$ \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 + 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} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$-0 \cdot \chi_{22}$ 2 $E(19)^7 + E(19)^7$	$E(19)^5 + E(19)^{14}$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$2 E(19)^9 + E($	$(19)^{10}$ $E(19) + E(19)$	$E(19)^8 + E(19)^8$	$E(19)^2 + E(19)^1$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^3$	$E(19)^6 + E(19)$	$E(19)^4 + E(19)^4$	$E(19)^5 + E(19)^5 + E(19$	$(19)^{14} \mid 0 \mid 0 \mid 0$
$ \left \ 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} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} $	$-0 \cdot \chi_{22}$ 2 $E(19)^8 + E(19)^8$	$E(19)^3 + E(19)^{16}$	$E(19)^5 + E(19)^{14}$	$E(19)^6 + E(19)^{13}$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$E(19) + E(19)^{18}$	$E(19)^7 + E(19)^{12}$	$E(19)^4 + E(19)^{15}$	$2 E(19)^6 + E($	$(19)^{13}$ $E(19)^7 + E(1)^7$	E(19) + E(19) + E(19)	$E(19)^5 + E(19)^1$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^2$	$E(19)^4 + E(19)^4$	$E(19)^9 + E(19)^9$	$E(19)^3 + E(19)^3 + E(19$	$(19)^{16} \mid 0 \mid 0 \mid 0$
$ \begin{vmatrix} 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_{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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$		$E(19)^4 + E(19)^{15}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$E(19)^9 + E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$E(19)^3 + E(19)^{16}$	$E(19) + E(19)^{18}$	$2 E(19)^8 + E($	$(19)^{11} E(19)^3 + E(19)^3 + E(19)^4 = E(19)^4 + E(19)^4 = E(19)^4 + E(19)^4 = E($	$E(19)^5 + E(19)^5$	$E(19)^6 + E(19)^1$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^9$	$E(19) + E(19)^{1}$	$E(19)^7 + E(19)^8$	$E(19)^4 + E(19)^4 + E(19)^4 + E(19)^4$	$(19)^{15} \mid 0 \mid 0 \mid 0$
$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_{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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $	$-0\cdot\chi_{22}$ 2	2	2	2	2	2	2	2	2	0 0	0	0	0	0	0	0	0	0	2 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_{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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $	$-0 \cdot \chi_{22}$ 2 2	2	2	2	2	2	2	2	2	0 0	0	0	0	0	0	0	0	0	0 2 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_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $		1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1	1 1 1
										1									

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

Trivial source character table of $G \cong D76$ at p = 2:

 $P_2 = Group([(1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)]) \cong C2$

 $P_3 = Group([(1,2)(3,5)(4,74)(6,72)(7,76)(8,70)(9,75)(10,68)(11,73)(12,66)(13,71)(14,64)(15,69)(16,62)(17,67)(18,60)(19,65)(20,58)(21,63)(22,56)(23,61)(24,54)(25,59)(26,52)(27,57)(28,50)(29,55)(30,48)(31,53)(32,46)(33,51)(34,44)(35,49)(36,42)(37,47)(38,40)(39,45)(41,43)]) \cong C2$

 $P_4 = Group([(1,5)(2,3)(4,76)(6,75)(7,74)(8,73)(9,72)(10,71)(11,70)(12,69)(13,68)(14,67)(15,66)(16,65)(17,64)(18,63)(19,62)(20,51)(31,50)(32,49)(33,48)(34,47)(35,46)(36,45)(37,44)(38,43)(39,42)(40,41)]) \cong C2$

 $P_{5} = Group([(1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76), \\ P_{5} = Group([(1,3)(2,5)(4,7)(6,9)(8,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76), \\ P_{5} = Group([(1,3)(2,5)(4,7)(6,9)(8,71)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)(18,60)(19,65)(20,53)(24,47)(36,49)(3$

 $N_2 = Group([(1,2)(3,5)(4,74)(6,72)(7,76)(8,70)(9,75)(10,68)(11,73)(12,66)(13,71)(14,64)(15,69)(16,62)(17,67)(16,90)(13,11)(10,13)(12,15)(14,17)(16,19)(18,21)(20,23)(22,25)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)) = D76$ $N_3 = Group([(1,2)(3,5)(4,74)(6,72)(7,76)(8,70)(9,75)(10,48)(11,73)(12,66)(13,71)(14,64)(15,69)(16,62)(17,67)(18,60)(19,65)(20,58)(21,63)(22,55)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)) = D76$ $N_3 = Group([(1,2)(3,5)(4,74)(6,72)(7,76)(8,70)(9,75)(10,68)(11,73)(12,66)(13,71)(14,64)(15,69)(16,62)(17,67)(18,60)(19,65)(20,58)(21,63)(22,56)(23,61)(24,54)(25,59)(23,57)(24,57)(26,59)(24,57)(26,59)(24$

 $N_1 = Group([(1,2)(3,5)(4,74)(6,72)(7,76)(8,70)(9,75)(10,48)(11,73)(12,45)(24,54)(25,59)(24,27)(26,29)(28,31)(30,33)(32,35)(34,37)(36,39)(38,41)(40,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)(13,44)(35,49)(36,42)(37,47)(38,40)(39,45)(41,43)(13,13)(24,54)(43,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)(13,44)(35,49)(36,42)(37,47)(38,40)(39,45)(41,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)(13,44)(35,49)(36,42)(37,47)(38,40)(39,45)(41,43)(42,45)(44,47)(46,49)(48,51)(50,53)(52,55)(54,57)(56,59)(58,61)(60,63)(62,65)(64,67)(66,69)(68,71)(70,73)(72,75)(74,76)(13,44)(35,49)(36,42)(37,47)(38,40)(39,45)(41,43)(42,45)(44,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(43,47)(46,49)(48,51)(50,53)(48,47)(46,49)(48,51)(50,53)(48,47)(46,49)(48,51)(50,53)(48,47)(46,49)(48,51)(50,53)(48,47)(46,49)(48,51)(50,53)(48,47)(48,49)(48$