$G\cong C2$. (PSL(2,11) : C2) = SL(2,11) . C2, p = 11

p-subgroups of G up to conjugacy in G							1 1											1 2					J
$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 $	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 11 11	2 3 1 1 1	2 1 1	1 1	0 0	1	1	1	1	$-E(12)^4 + E(12)^7 - E(12)^8 - E(12)^1$	$-E(12)^4 - E(12)^7 - E(12)^8 + E(12)^1$	$1 - E(12)^4 - E(12)^7 - E(12)^8 + E(12)^7$	$11 -E(12)^4 + E(12)^7 - E(12)^8 - E(12)^11$	0 0 0 0	0 0	0 0 (0 0	0 0	0 0	0	0 0	0 0	\neg
$ \begin{vmatrix} 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 + 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$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 11 11	$2 3 -1 \qquad 1 \qquad 1$	2 -1 -1	1 1		-1	-1	-1	-1	$E(12)^4 - E(12)^7 + E(12)^8 + E(12)^11$	$E(12)^4 + E(12)^7 + E(12)^8 - E(12)^11$	$E(12)^4 + E(12)^7 + E(12)^8 - E(12)^1$	$E(12)^4 - E(12)^7 + E(12)^8 + E(12)^1$	0 0 0 0 0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	ļ
$ \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$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 1 \cdot \chi_{24} \mid 22 -22 -$	$-2 0 0 E(5) + E(5)^4 E(5)^2 + E(5)$	$\hat{\ }$ 3 2 $E(8) - E(8)^3 - E(8) + E(8)^3$	$-E(5)^2 - E(5)^3 - E(5) - E(5)^4$	0	$E(20) - E(20)^{} 9$	$-E(20)^{} 13 + E(20)^{} 17$	$E(20)^{} 13 - E(20)^{} 17$	$-E(20) + E(20)^{} 9$	$-E(8) + E(8)^{} 3$	$E(8) - E(8)^{} 3$	$-E(8) + E(8)^{} 3$	$E(8) - E(8)^{} 3$	0 0 0 0 0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	ļ
$ \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$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \mid 22 -22 -$	$-2 0 0 E(5) + E(5)^4 E(5)^2 + E(5)$	$\hat{\ }$ 3 2 $-E(8) + E(8)\hat{\ }$ 3 $E(8) - E(8)\hat{\ }$ 3	$-E(5)^2 - E(5)^3 - E(5) - E(5)^4$	0	$-E(20) + E(20)^{} 9$	$E(20)^{} 13 - E(20)^{} 17$	$-E(20)^{} 13 + E(20)^{} 17$	$E(20) - E(20)^{} 9$	$E(8) - E(8)^{} 3$	$-E(8) + E(8)^{} 3$	$E(8) - E(8)^{} 3$	$-E(8) + E(8)^{} 3$	0 0 0 0 0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	- 1
$ \begin{vmatrix} 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$	$\chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 22	1 -2 2 $E(5)^2 + E(5)^3 = E(5) + E(5)^3$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$E(5) + E(5)^{} 4$ $E(5)^{} 2 + E(5)^{} 3$	1 1	$E(5)^2 + E(5)^3$	$E(5) + E(5)^{} 4$	$E(5) + E(5)^{} 4$	$E(5)^2 + E(5)^3$	1	1	1	1	0 0 0 0 0	0 0	0 0 (0	0 0	0 0	0	0 0	0 0	ļ
$ \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$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 22	1 -2 -2 $E(5)^2 + E(5)^3$ $E(5) + E(5)^3$	4 1 2 2	$E(5) + E(5)^4$ $E(5)^2 + E(5)^3$	1 1	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^{} 4$	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	-1	-1	-1	-1	0 0 0 0 0	0 0	0 0 (0	0 0	0 0	0	0 0	0 0	ļ
$ \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$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 1 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 -22	1 0 0 $E(5)^2 + E(5)^3 = E(5) + E(5)^3$	$-4 - E(8) + E(8)^3 = E(8) - E(8)^3$	$-E(5) - E(5)^{} 4 - E(5)^{} 2 - E(5)^{} 3$	$E(12)^{}7 - E(12)^{}11 - E(12)^{}7 + E(12)$	11 E(20) 13 - E(20) 17	$E(20) - E(20)^{} 9$	$-E(20) + E(20)^{} 9$	$-E(20)^{}13 + E(20)^{}17$	$-E(24)^{}17 + E(24)^{}19$	$E(24) - E(24)^{} 11$	$-E(24) + E(24)^{} 11$	$E(24)^{}17 - E(24)^{}19$	0 0 0 0 0	0 0	0 0 (0	0 0	0 0	0	0 0	0 0	ļ
$ \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$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 1 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 -22	1 0 0 $E(5)^2 + E(5)^3 = E(5) + E(5)^3$	4 -1 $E(8) - E(8)^3$ $-E(8) + E(8)^3$	$-E(5) - E(5)^{} 4 - E(5)^{} 2 - E(5)^{} 3$	$E(12)^{} 7 - E(12)^{} 11 - E(12)^{} 7 + E(12)$	$^{}11 - E(20)^{}13 + E(20)^{}17$	$-E(20) + E(20)^{9}$	$E(20) - E(20)^{} 9$	$E(20)^{} 13 - E(20)^{} 17$	$E(24)^{}17 - E(24)^{}19$	$-E(24) + E(24)^{} 11$	$E(24) - E(24)^{} 11$	$-E(24)^{}17 + E(24)^{}19$	0 0 0 0 0	0 0	0 0 (0	0 0	0 0	0	0 0	0 0	ļ
$ \begin{vmatrix} 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} + 1 \cdot \chi_{16} \end{vmatrix} $					2	$-E(5) - E(5)^{} 4$	_ /	$-E(5)^{} 2 - E(5)^{} 3$	$-E(5) - E(5)^{} 4$	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 + 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$	$\chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 22	-2 2 $E(5) + E(5)^4$ $E(5)^2 + E(5)$	$\hat{\ }$ 3 -2 0 0	$E(5)^2 + E(5)^3 $ $E(5) + E(5)^4$	2	$E(5) + E(5)^{} 4$	$E(5)^{} 2 + E(5)^{} 3$	$E(5)^{} 2 + E(5)^{} 3$	$E(5) + E(5)^{} 4$	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 + 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} + 1 \cdot \chi_{16} + 0 \cdot \chi_{16} + 0$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 -22	$1 0 0 \qquad \qquad 2 \qquad \qquad 2$	$-1 E(8) - E(8)^{} 3 -E(8) + E(8)^{} 3$	-2 -2	$E(12)^{} 7 - E(12)^{} 11 - E(12)^{} 7 + E(12)$	^ ₁₁ 0	0	0	0	$E(24)^{}17 - E(24)^{}19$	$-E(24) + E(24)^{} 11$	$E(24) - E(24)^{} 11$	$-E(24)^{}17 + E(24)^{}19$	0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$ \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} + 1 \cdot \chi_{16} + 0 \cdot \chi_{16} + 0$	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 -22	$1 0 0 \qquad \qquad 2 \qquad \qquad 2$	$-1 -E(8) + E(8)^3 E(8) - E(8)^3$	-2 -2	$E(12)^{} 7 - E(12)^{} 11 - E(12)^{} 7 + E(12)$	^ ₁₁ 0	0	0	0	$-E(24)^{}17 + E(24)^{}19$	$E(24) - E(24)^{} 11$	$-E(24) + E(24)^{} 11$	$E(24)^{} 17 - E(24)^{} 19$	0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$ \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_{16} \end{vmatrix} $					1 1 1	$E(5) + E(5)^{} 4$	$E(5)^{} 2 + E(5)^{} 3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^{} 4$	-1	-1	-1	-1	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 + 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} + 1 \cdot \chi_{16} \end{vmatrix} $	$\chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$ 22 22	1 -2 -2 $E(5) + E(5)^4$ $E(5)^2 + E(5)$	$\hat{}$ 3 1 -2 -2	$E(5)^2 + E(5)^3 $ $E(5) + E(5)^4$	1 1	$-E(5) - E(5)^{} 4$	$-E(5)^2 2 - E(5)^3$	$-E(5)^{} 2 - E(5)^{} 3$	$-E(5) - E(5)^{} 4$	1	1	1	1	0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$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 $						$-E(20)^{}13 + E(20)^{}17$	$-E(20) + E(20)^{} 9$	$E(20) - E(20)^{} 9$	$E(20)^{}13 - E(20)^{}17$	$-E(8) + E(8)^{} 3$	$E(8) - E(8)^{} 3$	$-E(8) + E(8)^{} 3$	$E(8) - E(8)^{} 3$	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 + 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_{16} \end{vmatrix} $						$E(20)^{} 13 - E(20)^{} 17$	$E(20) - E(20)^{} 9$	$-E(20) + E(20)^{9}$	$-E(20)^{}13 + E(20)^{}17$	$E(8) - E(8) \hat{} 3$	$-E(8) + E(8)^{} 3$	$E(8) - E(8)^{} 3$	$-E(8) + E(8)^{} 3$	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} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{16} \end{vmatrix} $						$-E(5)^2 2 - E(5)^3$	$-E(5) - E(5)^{} 4$	$-\dot{E}(5) - \dot{E}(5) \hat{A}$	$-E(5)^{} 2 - E(5)^{} 3$	$E(12)^{}7 - E(12)^{}11$	$-E(12)^{}7 + E(12)^{}11$	$-E(12)^{}7 + E(12)^{}11$	$E(12)^{} 7 - E(12)^{} 11$	0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$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_{16} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot $						$E(5)^{} 2 + E(5)^{} 3$	$E(5) + E(5) \hat{} 4$	$E(5) + E(5) \hat{} 4$	$E(5)^{} 2 + E(5)^{} 3$	$-\dot{E}(12)^{}7 + \dot{E}(12)^{}11$	$E(12)^{}7 - E(12)^{}11$	$E(12)^{} 7 - E(12)^{} 11$	$-\dot{E}(12)^{}7 + \dot{E}(12)^{}11$	0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$ \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$						$-\dot{E}(20) + E(20)^{} 9$	$E(20)^{}13 - E(20)^{}17$	$-E(20)^{}13 + E(20)^{}17$	$E(20) - E(20)^{} 9$	$E(24) - E(24)^{}11$	$-E(24)^{}17 + E(24)^{}19$	$E(24)^{} 17 - E(24)^{} 19$	$-E(24) + E(24)^{2}$ 11	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 + 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$								$E(20)^{} 13 - E(20)^{} 17$	$-E(20) + E(20)^{9}$	$-\dot{E}(24) + \dot{E}(24)^{} 11$	$E(24)^{}17 - E(24)^{}19$	$-\dot{E}(24)^{}17 + \dot{E}(24)^{}19$	$E(24) - E(24)^{2}$ 11	0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$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_{18} + 0 \cdot \chi_{19} + 0 \cdot $							-1	-1	-1	1	1	1		0 0 0 0 0	0 0	0 0 0	0	0 0	0 0	0	0 0	0 0	ļ
$ \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$				1 1	-1 -1	1	1	1	1	-1	-1	-1	-1	0 0 0 0 0	0 0	0 0	0	0 0	0 0	0	0 0	0 0	ļ
$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 $				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	\neg
$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} + 0 \cdot \chi_{16} + 0 \cdot $					0	$E(5)^{} 2 + E(5)^{} 3$	$E(5) + E(5)^{} 4$	$E(5) + E(5)^{} 4$	$E(5)^2 + E(5)^3$	0	0	0	0	1 1 1 $E(\xi)$	5) $E(5)^2 = E(5)^3 = E(5)$	$E(5)^4 E(5)^2 E(6)$	$(5) E(5)^4$	$E(5)^{} 3 \qquad E(5)$	$E(5)^{} 3 \qquad E(5)^{} 2$	$E(5)^{}4$	$E(5)^{3}$	$E(5)^2$ $E(5)^4$	<u>.</u>
$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} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} + 0 \cdot $					0	$E(5)^{} 2 + E(5)^{} 3$	$E(5) + E(5)^{} 4$	$E(5) + E(5)^{} 4$	$E(5)^{} 2 + E(5)^{} 3$	0	0	0	0	1 1 1 $E(5)$	$\stackrel{\frown}{}_{1}4 \stackrel{\frown}{E(5)}^{}_{1}3 \stackrel{\frown}{E(5)}^{}_{2} \qquad \stackrel{\frown}{}_{1}$	$E(5)$ $E(5)^3$ $E(5)$	$\stackrel{\sim}{E}(5)$	$E(5)^{} 2 \qquad E(5)^{} 4$	$E(5)^2$ $E(5)^3$	E(5) $E($	$E(5)^4$ $E(5)^2$	$E(5)^{}$ 3 $E(5)$	
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0$					0	$E(5) + E(5)^4$	$E(5)^{} 2 + E(5)^{} 3$	$E(5)^{} 2 + E(5)^{} 3$	$E(5) + E(5)^4$	0	0	0	0	1 1 1 $E(5)$	$(2 E(5)^4 E(5) E$	$E(5)^{} = E(5)^{} = E(5)^{} = E(5)^{}$	$E(5)^2 = E(5)^3$	$E(5)$ $E(5)^2$	$E(5)$ $E(5)^{}$	$E(5)^{}3 \qquad E($	$\stackrel{\smile}{5}$ 2 $\stackrel{\smile}{E}$ $\stackrel{\smile}{(5)}$	$E(5)^{} 4 \qquad E(5)^{} 3$	<u> </u>
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{16} \end{vmatrix} $				$E(5)^2 + E(5)^3 $ $E(5) + E(5)^4$	0	$E(5) + E(5)^{} 4$	$E(5)^{} 2 + E(5)^{} 3$	$E(5)^{} 2 + E(5)^{} 3$	$E(5) + E(5)^{} 4$	0	0	0	0	1 1 1 $E(5)$	$\stackrel{()}{\circ} 3 \stackrel{()}{=} \stackrel{(5)}{\circ} \stackrel{(5)}{\circ} \stackrel{(4)}{=} E$	$E(5)^2$ $E(5)$ $E(5)$	$E(5)^3$ $E(5)^2$	$E(5)^{}4 \qquad E(5)^{}3$	$E(5)^{}4 \qquad \stackrel{\stackrel{.}{}}{E}(5)$	$E(5)^2$ $E($	$5)^{} 3 \qquad E(5)^{} 4$	$E(5)$ $E(5)^2$	2
$ \begin{vmatrix} 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_{19} \end{vmatrix} $				1 1	1 1	-1	-1	-1	-1	-1	-1	-1	-1	1 1 -1 -1 1	$1 \qquad 1$	1 1 1	í í	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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0$				$E(5) + E(5)^{} 4$ $E(5)^{} 2 + E(5)^{} 3$	0 0	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^{} 4$	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	0	0	0	0	1 1 -1 -1 $E(5)$	$(5)^4 E(5)^3 E(5)^2$	$E(5)$ $E(5)^3$ $E(5)$	$E(5)^4 E(5)$	$E(5)^{} 2 - E(5)^{} 4$	$-E(5)^2 = -E(5)^2$	$3 \qquad -E(5) \qquad -E$	$(5)^{} 4 \qquad -E(5)^{} 2$	$-E(5)^{} 3 \qquad -E(5)$,
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} \end{vmatrix} $				$E(5) + E(5)^{} 4$ $E(5)^{} 2 + E(5)^{} 3$	0 0	$-E(5)^{} 2 - E(5)^{} 3$	$-E(5) - E(5)^{} 4$	$-E(5) - E(5)^{} 4$	$-E(5)^{} 2 - E(5)^{} 3$	0	0	0	0	$1 1 -1 -1 E(\xi)$	$E(5)^2 = E(5)^3 = E$	$E(5)^{}4 E(5)^{}2 \qquad E(6)^{}$	$(5) E(5)^4$	$E(5)^{}3 \qquad -E(5)$	$-E(5)^{}$ 3 $-E(5)^{}$	$2 - E(5)^4 - E(5)^4$	$E(5)$ $-E(5)^3$	$-E(5)^{} 2 \qquad -E(5)^{} /$	4
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{15} \end{vmatrix} $				$E(5)^{} 2 + E(5)^{} 3$ $E(5) + E(5)^{} 4$	0	$-\dot{E}(5) - E(5)^{} 4$	$-E(5)^{} 2 - E(5)^{} 3$	$-E(5)^{} 2 - E(5)^{} 3$	$-\dot{E}(5) - E(5)^{} 4$	0	0	0	0	1 1 -1 $E(5)$) $\stackrel{\wedge}{} 2 E(5) \stackrel{\wedge}{} 4 E(5) E$	$E(5)^3$ $E(5)^4$ $E(5)$	$E(5)^2$ $E(5)^3$	$E(5)$ $-E(5)^2$	$-\dot{E}(5)$ $-\dot{E}(5)$	$4 \qquad -E(5)^{} \qquad -E$	$(5)^{}2 \qquad -\dot{E}(5)$	$-E(5)^{}$ 4 $-E(5)^{}$	3
$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} + 0 \cdot \chi_{16} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{16} + 0 \cdot $				$E(5)^2 + E(5)^3 $ $E(5) + E(5)^4$	0	$-E(5) - E(5)^{} 4$	$-E(5)^{} 2 - E(5)^{} 3$	$-E(5)^{} 2 - E(5)^{} 3$	$-E(5) - E(5)^{} 4$	0	0	0		1 1 -1 $E(5)$		` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	, , ,	. ,	` ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	` '	` '	. ,	
$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} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} + 0 \cdot $				$-E(5) - E(5)^{} 4 - E(5)^{} 2 - E(5)^{} 3$	0	$-E(20)^{}13 + E(20)^{}17$	$-E(20) + E(20)^{} 9$	$E(20) - E(20)^{} 9$	$E(20)^{}13 - E(20)^{}17$	0	0	0	0	1 -1 $E(4)$ $-E(4)$ $E(5)$	$E(5)^2 = E(5)^3 = E(5)$	$F(5)^{} = -E(5)^{} = -E(5)^{}$	$E(5)$ $-E(5)^4$ -	$-E(5)^{} 3 \qquad E(20)^{} 9$	$-E(20)^{} 17 - E(20)^{}$	13 $E(20)$ $-E($	$(20)^{}9 E(20)^{}17$	$E(20)^{}13 \qquad -E(20)$,
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{16} \end{vmatrix} $				$-E(5) - E(5)^{2} - E(5)^{3} - E(5)^{3}$	0 0	$E(20)^{} 13 - E(20)^{} 17$	$E(20) - E(20)^{} 9$	$-E(20) + E(20)^{9}$	$-\vec{E}(20)^{} 13 + \vec{E}(20)^{} 17$	0	0	0		1 -1 $E(4)$ $-E(4)$ $E(5)$, , , , , , , , , , , , , , , , , , , ,	()	()	()	()	, ,	. , ,	()	/
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} \end{vmatrix} $				$-E(5)^{} 2 - E(5)^{} 3 \qquad -E(5) - E(5)^{} 4$	0	$-E(20) + E(20)^{} 9$	$E(20)^{}13 - E(20)^{}17$	$-E(20)^{}13 + E(20)^{}17$	$E(20) - E(20)^{}9$	0	0	0	0	1 -1 $E(4)$ $-E(4)$ $E(5)$	$\stackrel{()}{} 2 \stackrel{()}{E(5)} \stackrel{()}{} 4 \stackrel{()}{E(5)} \stackrel{()}{E(5)}$	$E(5)^{}3 - E(5)^{}4 - E(5)^{}$	$5)^{} 2 - E(5)^{} 3$	$-\dot{E}(5)$ $E(20)^{2}$ 13	$-E(20)^{}9 \qquad -E(20)$	E(20) 17 - E(2)	$(20)^{}13 E(20)^{}9$	$E(20)$ $-E(20)^{}$	17
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0$					0 0	E(20) - E(20) 9	$-E(20)^{} 13 + E(20)^{} 17$	$E(20)^{} 13 - E(20)^{} 17$	$-E(20) + E(20)^{} 9$	0	0	0	0	1 -1 $-E(4)$ $E(4)$ $E(5)$	$(2)^2 2 E(5)^2 4 E(5) E$	$E(5) \hat{} 3 - E(5) \hat{} 4 - E(5)$	$5)^{} 2 - E(5)^{} 3$	$-E(5)$ $-E(20)^{}13$	$E(20) \hat{} 9 \qquad E(20)$	$-\dot{E}(20)^{}17 E(2)^{}$	$0)^{}13 \qquad -\hat{E}(20)^{}9$	$-E(20)$ $E(20)^{}$ 1'	17
$ \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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0$					0	$-E(20)^{}13 + E(20)^{}17$	$-E(20) + E(20)^{2}$ 9	$E(20) - E(20)^{} 9$	$E(20)^{} 13 - E(20)^{} 17$	0	0	0	0	1 - 1 - E(4) E(4) E(5)	$()^{} 4 E(5)^{} 3 E(5)^{} 2$	E(5) $-E(5)$ 3 $-E(5)$	$(5)^{} 4 \qquad -\dot{E}(5) \qquad -$	$-E(5)^{}2 \qquad -E(20)$	$E(20)^{} 13 \qquad E(20)^{} 1$	$7 -E(20)^{}9 \qquad E$	(20) $-E(20)^{2}$ 13 -	$-E(20)^{}17 \qquad E(20)^{}$	9
$\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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 $					0 0	$E(20)^{} 13 - E(20)^{} 17$	$E(20) - E(20)^{} 9$	$-E(20) + E(20)^{} 9$	$-E(20)^{}13 + E(20)^{}17$	0	0	0		1 - 1 - E(4) E(4) E(5)	, ()	() ()	. /		()	()	()		
$\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} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{19} + 0 \cdot \chi_{11} + 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_{19} + 0 $				-2 -2	0 0	0	0	0	0	0	0	$\overset{\circ}{0}$		1 - 1 E(4) -E(4) 1	, , , , , , , , , , , , , , , , , , , ,	()	()	()	· / · · /	` /	· · · · · · · · · · · · · · · · · · ·	E(4) $-E(4)$	
$\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} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{19} + 0 \cdot \chi_{11} + 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_{19} + 0 $				-2 -2	0 0	0	0	0	0	0	0	$\overset{\circ}{0}$		1 -1 -E(4) E(4)				()	()	()	()	()	/ I
$\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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 $				$-E(5)^2 - E(5)^3 - E(5) - E(5)^4$	0 0	$-E(20) + E(20)^{} 9$	$E(20)^{}13 - E(20)^{}17$	$-E(20)^{} 13 + E(20)^{} 17$	$E(20) - E(20)^{} 9$	0	0	0		1 -1 -E(4) E(4) E(5)									
$\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} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{19} + 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_{16} + 0 \cdot \chi_{19} + 0 $					0 0	(-) ' (-) -	(-) - (-) .	$E(20) \hat{1} = E(20) \hat{1}$ $E(20) \hat{1} = E(20) \hat{1}$	(-) -	0	0	$\overset{\circ}{0}$		1 - 1 E(4) E(5)	, ()		. /			()	, , ,		
$\begin{bmatrix} \circ & \Lambda 1 & \circ & \Lambda 2 & \circ & \Lambda 3 & \circ & \Lambda 3 & \circ & \Lambda 0 & \circ & \Lambda 1 & \circ & \Lambda 2 & \circ & \Lambda 1 & \circ $	711 - 710 - 719 - 720 - 721 - 722 - 723 - 1 724 12 12 12		, <u> </u>		<u> </u>	=(=0) =(=0) 0	=(20) 10 2(20) 11	_(20) 10 2(20) 11	=(==) =(==) 0		<u> </u>	<u> </u>	, , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , , ,	(*) = 2(*) 2(2, 2 2(0) 2	_(*) 1 2(20) 11	= (- 0) = (2 0)	5 E(=0) 10 E(, -, <u>-, -, -, -, -, -, -, -, -, -, -, -, -, -</u>	(

Representants n_j : () , (1, 2)(3, 5)(4, 6)(7,10)(8, 9)(11,15)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47), (1, 3, 7)(2, 5,10)(4, 9,14)(6, 8,13)(11,18,31)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,33,45)(36,47,42) (1,39, 2,35)(3,31, 5,38)(4,28, 6,20)(7,40,10,29)(8,27, 9,19)(11,22,15,24)(12,21,16,23)(13,47,14,45)(17,44,25,48)(18,46,26,43)(30,33,41,36)(32,34,237),

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

(7,17,40,15,18)(10,25,29,11,26)(12,30,42,27,20)(13,33,47,23,34)(14,36,45,21,37)(16,41,32,19,28)(22,44,43,38,35)(24,48,46,31,39),

(1,44,25,15,24)(2,48,17,11,22)(3,10,46,35,18)(4,30,33,21,16)(5,7,43,39,26)(6,41,36,23,12)(8,14,42,28,34)(9,13,32,20,37),

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

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

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

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

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

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

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

 $\begin{array}{l} (3,11,43,26,35)(5,15,46,18,39)(7,31,24,17,40)(8,21,32,37,28)(9,23,42,34,20)(10,38,22,25,29)(12,33,47,13,27)(14,19,16,36,45), \\ (3,10,22,11,35)(5,7,24,15,39)(8,14,16,21,28)(9,13,12,23,20)(17,18,48,31,46)(19,32,36,37,41)(25,26,44,38,43)(27,42,33,34,30), \\ (3,10,29,44,43)(5,7,40,48,46)(8,14,45,41,32)(9,13,47,30,42)(11,22,25,35,38)(12,33,20,27,23)(15,24,17,39,31)(16,36,28,19,21), \end{array}$

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

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

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

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

 $P_2\cong \mathrm{C}11$ $N_1\cong \mathrm{C}2 \ . \ (\mathrm{PSL}(2,11):\mathrm{C}2)=\mathrm{SL}(2,11) \ . \ \mathrm{C}2$

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

 $N_2 \cong C11 : C20$