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	$ \begin{vmatrix} \hat{\chi}_{32} \\ \hat{\chi}_{32} \end{vmatrix} 1 E(31)^{15} E(31)^{16} E(31)^{16} E(31)^{16} E(31)^{16} E(31)^{16} E(31)^{16} E(31)^{16} E(31)^{16} E(31)^{17} E(31)^{18} E(31)^{18} $	
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	$ \begin{pmatrix} \chi_4 \\ \chi_{42} \\ \chi_{43} \\ \chi_{43} \\ \chi_{43} \\ \chi_{43} \\ \chi_{43} \\ \chi_{44} \\ \chi_{45} \\ \chi$	
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	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	$\begin{bmatrix} \chi_{40} \\ \chi_{47} \end{bmatrix} 1 & E(31)^{23} & E(31)^{15} & E(31)^{16} & E(31)^{19} & E(31)^{18} & E(31)^{19} & E(31)^{18} & E(31)^{19} & E(31)$	
	$ \begin{vmatrix} 1 \\ 1 \\ 2 \\ 3 \end{vmatrix} = E(31)^{23} - E(31)^{13} - E(31)^{1$	
	$ \left[\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
	$\left \chi_{52}\right 1 E(31)^{25} E(31)^{19} E(31)^{25} E(31)^{19} E(31)^{25} E(31)^{19} E(31)^{26} E(31)^{26} E(31)^{26} E(31)^{26} E(31)^{26} E(31)^{27} E(31)^{18} E(31)^{27} E(31)^{18} E(31)^{28} E$	
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	$\frac{\chi_{61}}{\chi_{62}} = \frac{1}{4} \frac{E(31)^{30}}{E(31)^{20}} = \frac{E(31)^{20}}{E(31)^{20}} = $	
Trivial source character table of $G \cong C62$ at $p=2$:		
Normalisers N_i	N_1	N_2
p-subgroups of G up to conjugacy in G Proposentatives $g = G N$	P_1	P_2
Representatives $n_j \in N_i$ $1 \cdot y_i + 1 \cdot y_0 + 0 \cdot y_$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\frac{1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 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_{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_{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_{18} + 0 \cdot \chi_{19} + 0 $	$\frac{7}{4} + \frac{7}{4} + \frac{7}$	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 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_{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_{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} + 0 \cdot $	$\frac{1}{\sqrt{33}} + \frac{1}{\sqrt{33}} + $	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{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_{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_{20} + 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_{34} + 0 + \chi_{35} + 0 + \chi_{25} + 0 + \chi_$	
$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_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{19} + 0 \cdot $	$\frac{7}{10} + \frac{7}{10} $	$\begin{smallmatrix} 0 & & 0 $
$0 \cdot \chi_1 + 0 \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_{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_{25} + 0 \cdot $	$2 * E(31)^{13} = 2 * $	$\begin{smallmatrix} 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} + 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} + 0$	$ \chi_{24} + 1 \cdot \chi_{25} + 1 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{31} + 0 \cdot \chi_{32} + 0 \cdot \chi_{31} + 0 \cdot \chi_$	$\begin{smallmatrix} 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} + 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 \cdot$	$\left\{ 2 + E(31)^{23} - 2 + E(31)^{23} - 2 + E(31)^{23} - 2 + E(31)^{24} - 2$	$\begin{smallmatrix} 0 & & 0 $
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\left\{\frac{2}{2} + 0 \cdot \chi_{25} + 0 \cdot $	$\begin{smallmatrix} 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} + 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 \cdot$	$2 * E(31)^{23} 2 * E(31)^{23} 2 * E(31)^{23} 2 * E(31)^{23} 2 * E(31)^{24} 2 * E(31)^{25} 2 * E(31)^{25} 2 * E(31)^{26} 2 * $	$\begin{smallmatrix} 0 & & 0 $
$= +0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0$	$2*E(31)^{13} 2*E(31)^{14} 2*E(31)^{15} 2*E$	

	$0 \cdot \chi_{62} \mid 2 \cdot 2 \cdot E(31)^{23} \mid 2 \cdot E(31)^{24} \mid 2 \cdot $
	$0 \cdot \chi_{62} \hspace{0.1cm} \hspace{0.1cm} 2 \cdot 2 \cdot E(31)^{10} \hspace{0.1cm} 2 \cdot E(31)^{10} 0.$
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_$	$0 \cdot \chi_{62} \hspace{0.1cm} \mid \hspace{0.1cm} 2 \cdot 2 \cdot E(31)^{18} \hspace{0.1cm} 2 \cdot E(31)^{18} \hspace{0.1cm} 2 \cdot E(31)^{18} \hspace{0.1cm} 2 \cdot E(31)^{18} \hspace{0.1cm} 2 \cdot E(31)^{19} $
	$0 \cdot \chi_{62} \hspace{0.1cm} \mid \hspace{0.1cm} 2 \cdot 2 \cdot E(31)^{20} \hspace{0.1cm} 2 \cdot E(31)^{20} $
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_{10} + 0 \cdot \chi_{1$	$0\cdot \widehat{\chi_{62}} \hspace{0.5cm} 2 \hspace{0.5cm} 2 \hspace{0.5cm} 2 \hspace{0.5cm} 2 \hspace{0.5cm} E(31)^{5} \hspace{0.5cm} 2 \hspace{0.5cm} E(31)^{5} \hspace{0.5cm} 2 \hspace{0.5cm} E(31)^{10} \hspace{0.5cm} 2 0.5$
$0 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_3 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_{10} $	$0 \cdot \sqrt{c_2} \begin{vmatrix} 2 & 2 * E(31)^9 & 2 * E(31)^{18} & 2 * E(3$
$\frac{1}{10000000000000000000000000000000000$	$\frac{1}{2} \frac{1}{2} \frac{1}$
$ \begin{array}{c} 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_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{21} + 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_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 1 \cdot \chi_{29} + 1 \cdot \chi_{30} + 0 \cdot \chi_{21} + 0 \cdot \chi_{2$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10$	$\frac{10 \cdot \chi_{62}}{\chi_{62}} = \frac{2 \cdot 2 \cdot E(31)^{23}}{2 \cdot 2 \cdot$
$0 \cdot \chi_{11} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{2$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \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_{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_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi$	$0 \cdot \chi_{62} \begin{vmatrix} 2 & 2 * E(31)^{25} & 2 * $
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_$	$0 \cdot \chi_{62} \ \ 2 \cdot 2 \cdot E(31)^{22} \ \ 2 \cdot E(31)^{22} \ \ 2 \cdot E(31)^{23} \ \ 2 \cdot E(31)^{23} \ \ 2 \cdot E(31)^{23} \ \ 2 \cdot E(31)^{24} \ \ 2 \cdot E(31)^{25} \ \ 2 \cdot E(3$
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_$	$0 \cdot \chi_{62} \hspace{0.1cm} \mid \hspace{0.1cm} 2 \cdot 2 \cdot E(31)^{13} \hspace{0.1cm} 2 \cdot E(31)^{14} \hspace{0.1cm} 2 \cdot E(31)^{15} $
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_{44} + 0 \cdot \chi_{45} + 0 \cdot \chi_{45$	$0 \cdot \chi_{62} \ \ \ \ 2 \cdot x E(31)^{26} \ \ 2 \cdot x E$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_{10} + 0 \cdot \chi_{1$	$0\cdot\chi_{62} \hspace{0.1cm} \hspace{0.1cm} 2 \hspace{0.1cm} 2 \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{11} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{12} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{13} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{14} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{13} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{14} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^{16} \hspace{0.1cm} 2 \hspace{0.1cm} E \hspace{0.1cm} (31)^$
$0 \cdot y_1 + 0 \cdot y_2 + 0 \cdot y_3 + 0 \cdot y_4 + 0 \cdot y_5 + 0 \cdot y_6 + 0 \cdot y_{10} + 0 \cdot y_{1$	$0\cdot \sqrt{62} \begin{vmatrix} 2 & 2*E(31)^{21} & 2*E(31)^{21} & 2*E(31)^{11} & 2*E(31)^{12} & 2*E(31)^{12} & 2*E(31)^{13} & 2*E(31)^{13} & 2*E(31)^{14} & 2*E(31)^{15} & 2*E($
	$0\cdot \gamma_{62} \mid 2 \mid 2*E(31)^{27} \mid 2*E(31)^{27} \mid 2*E(31)^{27} \mid 2*E(31)^{28} \mid 2*E(31)^{28} \mid 2*E(31)^{19} \mid 2*E$
$\frac{1}{10000000000000000000000000000000000$	$0 \cdot v_{c9} = 2 \cdot 2 \cdot E(31)^{29} \cdot 2 \cdot $
$\frac{1}{10.000000000000000000000000000000000$	$\frac{1}{1.\sqrt{60}} = \frac{1}{2} $
$ \begin{array}{c} -0.7 & \chi_{11} + 0.7 & \chi_{21} + 0.7 & \chi_{31} + 0.7 & \chi_{41} + 0.7 & \chi_{51} + 0.7 & \chi_{51}$	$\frac{1 \cdot \chi_{62}}{1} = \frac{1}{2} = \frac{1}{$
$1 - \frac{1}{2} + $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\frac{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{11} + 0 \cdot$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$1 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \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_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\left 0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_{44} + 0 \cdot \chi_{45} + 0 \cdot \chi_{46} + 0 \cdot \chi_{47} + 0 \cdot \chi_{48} + 0 \cdot \chi_{49} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{59} + 0 \cdot \chi_{56} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{59} + 0 \cdot \chi_{59$	$ - \frac{1}{10} \cdot \chi_{62} \mid 1 - E(31)^2 - E(31)^{10} - E(31)$
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_$	$-0 \cdot \chi_{62} \mid 1 - E(31)^8 - E(31)^{16} - E(31)^{18} - E$
	$0\cdot\chi_{62} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{1$	$0\cdot\chi_{62} \ \ \ 1 E(31)^{12} E(31)^{12} E(31)^{12} E(31)^{13} E(31)^{1$
$0 \cdot \gamma_1 + 0 \cdot \gamma_2 + 0 \cdot \gamma_3 + 0 \cdot \gamma_4 + 0 \cdot \gamma_5 + 0 \cdot \gamma_6 + 0 \cdot \gamma_{10} + 0 \cdot \gamma_{1$	$0\cdot \frac{1}{1} \cdot \frac$
$0 \cdot y_1 + 0 \cdot y_2 + 0 \cdot y_3 + 0 \cdot y_4 + 0 \cdot y_5 + 0 \cdot y_4 + 0 \cdot y_{15} + 0 \cdot y_{16} + 0 \cdot y_{17} + 0 \cdot y_{18} + 0 \cdot y_{16} + 0 \cdot y_{17} + 0 \cdot y_{18} + 0 \cdot y_{1$	$\frac{1}{1} + \frac{1}{1} + \frac{1}$
$0 \cdot v_1 + 0 \cdot v_2 + 0 \cdot v_3 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_4 + 0 \cdot v_5 + 0 \cdot v_6 + 0 \cdot v_{11} + 0 \cdot v_{12} + 0 \cdot v_{13} + 0 \cdot v_{14} + 0 \cdot v_{15} + 0$	$\frac{7}{7} + \frac{7}{7} + \frac{7}$
$\frac{1}{10.000000000000000000000000000000000$	$\frac{1}{1} \frac{1}{1} \frac{1}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	E(31) = E(31
$ \begin{array}{c} 0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_{10} +$	$ E(31)^{-} E(3$
$0\cdot\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+0\cdot\chi_{17}+0\cdot\chi_{18}+0\cdot\chi_{19}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29}+0\cdot\chi_{21}+0\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+0\cdot\chi_{24}+0\cdot\chi_{25}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{26}+0\cdot\chi_{27}+0\cdot\chi_{28}+0\cdot\chi_{29$	$E(31)^{12} E(31)^{13} E(31)^{14} E(31)^{15} E(3$
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{27$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 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_{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_{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} $	$ E(31)^{24} E(31)^{25} E($
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi$	$0 \cdot \chi_{62} \mid 1 E(31)^{19} E(31)^{19} $
$\boxed{0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_{44} + 0 \cdot \chi_{45} + 0 \cdot \chi_{46} + 0 \cdot \chi_{47} + 0 \cdot \chi_{48} + 0 \cdot \chi_{49} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{59} + 0 \cdot \chi_{58} + 0 \cdot \chi_{59} + 0 \cdot \chi_{59$	$-0 \cdot \chi_{62} \mid 1 - E(31)^{28} $
$10. v_1 + 0. v_2 + 0. v_3 + 0. v_4 + 0. v_5 + 0. v_6 + $	$E(31)^{10} = E(31)^{11} = E(31)^{11} = E(31)^{11} = E(31)^{11} = E(31)^{12} = E(31)^{13} = E(31)^{13} = E(31)^{13} = E(31)^{14} = E(3$
$ \begin{array}{c} 3 \\ 3 \\ 4 \\ 4 \\ 5 \\ 4 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5 \\ 5$	$0\cdot\chi_{62} \mid 1 E(31)^{25} E(31)^{25} E(31)^{25} E(31)^{25} E(31)^{25} E(31)^{25} E(31)^{26} E(31)^{27} E(31)^{27} E(31)^{27} E(31)^{27} E(31)^{27} E(31)^{28} E$
$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\frac{\lambda_{02}}{0\cdot \chi_{62}} \left[\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c} \chi_{11} + \sigma_{11} + \sigma_{12} + \sigma_{13} + \sigma_{13} + \sigma_{14} + \sigma_{1$	$\frac{1}{1} = \frac{1}{1} = \frac{1}$
$\frac{1}{10000000000000000000000000000000000$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{1$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ E(31)^{23} E(31)^{24} E(31)^{25} E($
$0 \cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{22$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c} \chi_{11} + \sigma_{11} + \sigma_{12} + \sigma_{13} + \sigma_{14} + \sigma_{1$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	$0 \cdot \chi_{62} \ \ \ 1 E(31)^{23} E(31)^{24} E(31)^{25} E(31)^{24} E(31)^{25} E(31)^{25} E(31)^{24} E(31)^{25} E(31)^$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{1$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

 $1 \times E(31)^{20} \times$

 $N_1 = Group([(1,2),(3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33)]) \cong C62$