$\begin{bmatrix} 1a & 71a & 71b & 71c & 71d & 71e & 71f & 71a & 71b & 71i & 71i & 71k & 71l & 71m & 71n & 71n & 71a & 71r \end{bmatrix}$	71s $71t$ $71u$ $71v$ $71w$ $71x$ $71u$ $71z$ $71aa$ $71ab$ $71ac$ $71ad$ $71ae$ $71af$ $71aa$ $71ab$ $71ai$ $71ab$	1ai $71ak$ $71al$ $71am$ $71an$ $71ao$ $71an$ $71aa$ $71ar$ $71as$ $71at$ $71au$ $7$	ba-71bb-71bc-71bd-71be-71bf-71ba-71bb-71bb-71bi-71bi-71bk-71bl-71bm-71bm-71bm-71bm-71bm-71bm-71bm-71bm
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_2 & 1 & E(11) & $	$ E(71)^{-1}  E(71)^{-2}  E(71)^{-2}  E(71)^{-2}  E(71)^{-2}  E(71)^{-3}  E($	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_4 & 1 & E(71)^3 & E(71)^6 & E(71)^9 & E(71)^{12} & E(71)^{15} & E(71)^{18} & E(71)^{21} & E(71)^{24} & E(71)^{27} & E(71)^{30} & E(71)^{36} & E(71)^{36} & E(71)^{39} & E(71)^{42} & E(71)^{48} & E(71)^{48} & E(71)^{51} & E(71)^{54} \\ \chi_5 & 1 & E(71)^4 & E(71)^8 & E(71)^{12} & E(71)^{16} & E(71)^{24} & E(71)^{28} & E(71)^{32} & E(71)^{36} & E(71)^{44} & E(71)^{48} & E(71)^{52} & E(71)^{56} & E(71)^{64} & E(71)^{68} & E(71)^{68$	$E(71)^{57}  E(71)^{60}  E(71)^{63}  E(71)^{66}  E(71)^{69}  E(71)  E(71)^{4}  E(71)^{7}  E(71)^{10}  E(71)^{13}  E(71)^{16}  E(71)^{19}  E(71)^{22}  E(71)^{25}  E(71)^{28}  E(71)^{31}  E(71)^{34}  E(71)^{5}  E(71)^{5}  E(71)^{5}  E(71)^{13}  E(71)^{17}  E(71)^{25}  E(71)^{29}  E(71)^{33}  E(71)^{37}  E(71)^{41}  E(71)^{45}  E(71)^{49}  E(71)^{53}  E(71)^{57}  E(71)^{61}  E(71)^{65}  E(71)^{69}  $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$(71)^{17}$ $E(71)^{20}$ $E(71)^{23}$ $E(71)^{26}$ $E(71)^{29}$ $E(71)^{32}$ $E(71)^{35}$ $E(71)^{38}$ $E(71)^{41}$ $E(71)^{44}$ $E(71)^{47}$ $E(71)^{50}$ $E(71)^{53}$ $E(71)^{56}$ $E(71)^{59}$ $E(71)^{62}$ $E(71)^{65}$ $E(71)^{68}$ $E(71)^{69}$ $E(71$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{24}  E(71)^{29}  E(71)^{34}  E(71)^{39}  E(71)^{44}  E(71)^{49}  E(71)^{54}  E(71)^{59}  E(71)^{69}  E(71)^{3}  E(71)^{3}  E(71)^{13}  E(71)^{13}  E(71)^{13}  E(71)^{23}  E(71)^{23}  E(71)^{23}  E(71)^{23}  E(71)^{23}  E(71)^{24}  E(71)^{25}  E(71)$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_7 & 1 & E(71)^6 & E(71)^{12} & E(71)^{18} & E(71)^{24} & E(71)^{30} & E(71)^{36} & E(71)^{42} & E(71)^{48} & E(71)^{54} & E(71)^{60} & E(71)^{66} & E(71) & E(71)^{7} & E(71)^{13} & E(71)^{19} & E(71)^{25} & E(71)^{31} & E(71)^{37} \\ \chi_8 & 1 & E(71)^7 & E(71)^{14} & E(71)^{21} & E(71)^{28} & E(71)^{35} & E(71)^{42} & E(71)^{49} & E(71)^{56} & E(71)^{63} & E(71)^{6} & E(71)^{16} & E(71)^{13} & E(71)^{20} & E(71)^{27} & E(71)^{34} & E(71)^{41} & E(71)^{48} & E(71)^{55} \\ \end{pmatrix}$	$E(71)^{43}$ $E(71)^{49}$ $E(71)^{55}$ $E(71)^{61}$ $E(71)^{67}$ $E(71)^{2}$ $E(71)^{8}$ $E(71)^{14}$ $E(71)^{20}$ $E(71)^{26}$ $E(71)^{25}$ $E(71)^{38}$ $E(71)^{44}$ $E(71)^{50}$ $E(71)^{50}$ $E(71)^{50}$ $E(71)^{62}$ $E(71)^{62}$ $E(71)^{69}$ $E(71)^{5}$ $E(71)^{12}$ $E(71)^{19}$ $E(71)^{26}$ $E(71)^{33}$ $E(71)^{40}$ $E(71)^{47}$ $E(71)^{54}$ $E(71)^{61}$ $E(71)^{68}$ $E(71)^{4}$ $E(71)^{11}$ $E(71)^{18}$ $E(71)^{25}$ $E(71)^{32}$ $E(71)^{33}$ $E(71)^{40}$ $E(71)^{47}$ $E(71)^{54}$ $E(71)^{61}$ $E(71)^{68}$ $E(71)^{4}$ $E(71)^{11}$ $E(71)^{18}$ $E(71)^{25}$ $E(71)^{32}$ $E(71)^{34}$ $E(71)^{44}$ $E(71)^{4$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$(71)^{34}$ $E(71)^{40}$ $E(71)^{40}$ $E(71)^{40}$ $E(71)^{52}$ $E(71)^{58}$ $E(71)^{64}$ $E(71)^{60}$ $E(71)^{5}$ $E(71)^{11}$ $E(71)^{11}$ $E(71)^{11}$ $E(71)^{23}$ $E(71)^{29}$ $E(71)^{35}$ $E(71)^{41}$ $E(71)^{41}$ $E(71)^{53}$ $E(71)^{59}$ $E(71)^{65}$ $E(71)$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$E(71)^{10}  E(71)^{18}  E(71)^{26}  E(71)^{34}  E(71)^{42}  E(71)^{50}  E(71)^{58}  E(71)^{66}  E(71)^{3}  E(71)^{11}  E(71)^{19}  E(71)^{27}  E(71)^{35}  E(71)^{43}  E(71)^{59}  E(71)^{67}  E(71)^{67}  E(71)^{68}  E(71$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{71)^{69}}{E(71)^{6}} \frac{E(71)^{6}}{E(71)^{14}} \frac{E(71)^{22}}{E(71)^{30}} \frac{E(71)^{38}}{E(71)^{38}} \frac{E(71)^{46}}{E(71)^{54}} \frac{E(71)^{62}}{E(71)^{62}} \frac{E(71)^{70}}{E(71)^{75}} \frac{E(71)^{15}}{E(71)^{15}} \frac{E(71)^{39}}{E(71)^{39}} \frac{E(71)^{47}}{E(71)^{55}} \frac{E(71)^{63}}{E(71)^{62}} \frac{E(71)^{63}}{E(71)^{69}} \frac{E(71)^{69}}{E(71)^{69}} \frac{E(71)^{69}}{E(71)^$
$ \begin{vmatrix} \chi_{10} \\ \chi_{11} \end{vmatrix} = \begin{bmatrix} 1 & E(71)^9 & E(71)^{18} & E(71)^{27} & E(71)^{36} & E(71)^{45} & E(71)^{54} & E(71)^{54} & E(71)^{63} & E(71) & E(71)^{10} & E(71)^{19} & E(71)^{28} & E(71)^{37} & E(71)^{46} & E(71)^{55} & E(71)^{64} & E(71)^{2} & E(71)^{11} & E(71)^{20} \\ \chi_{11} \end{vmatrix} = \begin{bmatrix} 1 & E(71)^{10} & E(71)^{10} & E(71)^{10} & E(71)^{10} & E(71)^{10} & E(71)^{10} & E(71)^{19} & E(71)$	$ E(71)^{48}  E(71)^{58}  E(71)^{68}  E(71)^{7}  E(71)^{17}  E(71)^{27}  E(71)^{37}  E(71)^{47}  E(71)^{57}  E(71)^{67}  E(71)^{6}  E(71)^{6}  E(71)^{36}  E(71)^{36}  E(71)^{46}  E(71)^{56}  E(71)^{66}  E(71)^{56}  E(71)$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{E(71)^{63}}{E(71)^{63}} \frac{E(71)^{63}}{E(71)^{63}} \frac{E(71)^{63}}{E(71)^{62}} \frac{E(71)^{64}}{E(71)^{62}} \frac{E(71)^{62}}{E(71)^{62}} \frac{E(71)^{64}}{E(71)^{62}} \frac{E(71)^{64}}{E(71)^{64}} \frac{E(71)^{64}}{E($
$\begin{bmatrix} \chi_{12} & 1 & E(71)^{11} & E(71)^{22} & E(71)^{33} & E(71)^{44} & E(71)^{55} & E(71)^{66} & E(71)^{6} & E(71)^{17} & E(71)^{28} & E(71)^{39} & E(71)^{50} & E(71)^{61} & E(71) & E(71)^{12} & E(71)^{23} & E(71)^{34} & E(71)^{45} & E(71)^{56} \\ \chi_{13} & 1 & E(71)^{12} & E(71)^{24} & E(71)^{36} & E(71)^{48} & E(71)^{60} & E(71) & E(71)^{13} & E(71)^{25} & E(71)^{37} & E(71)^{49} & E(71)^{61} & E(71)^{2} & E(71)^{36} & E(71)^{38} & E(71)^{50} & E(71)^{62} & E(71)^{38} \\ \chi_{13} & 1 & E(71)^{12} & E(71)^{12} & E(71)^{13} & E(71)^{13} & E(71)^{13} & E(71)^{13} & E(71)^{14} & E(71)^{14} & E(71)^{14} & E(71)^{15} & E(71)^{15} & E(71)^{14} \\ \chi_{13} & 1 & E(71)^{12} & E(71)^{14} & $	$E(71)^{67}  E(71)^{7}  E(71)^{7}  E(71)^{18}  E(71)^{29}  E(71)^{40}  E(71)^{51}  E(71)^{62}  E(71)^{2}  E(71)^{13}  E(71)^{24}  E(71)^{35}  E(71)^{46}  E(71)^{57}  E(71)^{68}  E(71)^{8}  E(71)^{19}  E(71)^{30}  E(71)^{19}  E(71)^{$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71) \stackrel{E}{=} E(71) \stackrel{E}{=} $	$\frac{E(1)}{2} = \frac{E(1)}{2} = E$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_{15} & 1 & E(71)^{14} & E(71)^{28} & E(71)^{42} & E(71)^{56} & E(71)^{70} & E(71)^{13} & E(71)^{27} & E(71)^{41} & E(71)^{55} & E(71)^{69} & E(71)^{12} & E(71)^{26} & E(71)^{40} & E(71)^{54} & E(71)^{68} & E(71)^{11} & E(71)^{25} & E(71)^{39} \\ \chi_{16} & 1 & E(71)^{15} & E(71)^{36} & E(71)^{45} & E(71)^{60} & E(71)^{4} & E(71)^{19} & E(71)^{34} & E(71)^{49} & E(71)^{64} & E(71)^{8} & E(71)^{38} & E(71)^{53} & E(71)^{68} & E(71)^{12} & E(71)^{27} & E(71)^{42} & E(71)^{57} \\ \chi_{16} & 1 & E(71)^{15} & E(7$	$E(71)^{53}  E(71)^{67}  E(71)^{10}  E(71)^{24}  E(71)^{38}  E(71)^{52}  E(71)^{66}  E(71)^{9}  E(71)^{23}  E(71)^{37}  E(71)^{51}  E(71)^{65}  E(71)^{8}  E(71)^{22}  E(71)^{36}  E(71)^{50}  E(71)^{64}  E(71)^{10}  E(71)$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{71)^{32}}{671)^{46}} \frac{E(71)^{46}}{E(71)^{60}} \frac{E(71)^{3}}{E(71)^{4}} \frac{E(71)^{17}}{E(71)^{13}} \frac{E(71)^{45}}{E(71)^{45}} \frac{E(71)^{59}}{E(71)^{48}} \frac{E(71)^{16}}{E(71)^{16}} \frac{E(71)^{30}}{E(71)^{44}} \frac{E(71)^{58}}{E(71)^{57}} \frac{E(71)^{15}}{E(71)^{59}} \frac{E(71)^{43}}{E(71)^{44}} \frac{E(71)^{59}}{E(71)^{44}} \frac{E(71)^{59}}{E(71)^{$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{20}  E(71)^{36}  E(71)^{52}  E(71)^{68}  E(71)^{13}  E(71)^{29}  E(71)^{45}  E(71)^{61}  E(71)^{6}  E(71)^{22}  E(71)^{38}  E(71)^{54}  E(71)^{54}  E(71)^{15}  E(71)^{47}  E(71)^{47}  E(71)^{63}  E(71)^{54}  E(71)^{54}  E(71)^{55}  E(71)^{56}  E(71$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{771}{67} \frac{67}{67} \frac{17}{67} 1$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ E(71)^{56}  E($	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\frac{E(71)^{45}}{E(71)^{45}} \frac{E(71)^{45}}{E(71)^{45}} \frac{E(71)^{45}}{E($
$\begin{bmatrix} \chi_{20} & 1 & E(71)^{19} & E(71)^{38} & E(71)^{57} & E(71)^{5} & E(71)^{24} & E(71)^{43} & E(71)^{62} & E(71)^{10} & E(71)^{29} & E(71)^{48} & E(71)^{67} & E(71)^{15} & E(71)^{34} & E(71)^{53} & E(71) & E(71)^{20} & E(71)^{39} & E(71)^{58} \\ \chi_{21} & 1 & E(71)^{20} & E(71)^{40} & E(71)^{60} & E(71)^{9} & E(71)^{29} & E(71)^{49} & E(71)^{69} & E(71)^{18} & E(71)^{58} & E(71)^{58} & E(71)^{7} & E(71)^{47} & E(71)^{47} & E(71)^{46} & E(71)^{36} & E(71)^{56} & E(71)^{5} \\ \end{pmatrix}$	$E(71)^{6}  E(71)^{25}  E(71)^{44}  E(71)^{63}  E(71)^{11}  E(71)^{30}  E(71)^{49}  E(71)^{68}  E(71)^{16}  E(71)^{35}  E(71)^{54}  E(71)^{2}  E(71)^{21}  E(71)^{40}  E(71)^{59}  E(71)^{7}  E(71)^{26}  E(71)^{125}  E(71)^{45}  E(71)^{45}  E(71)^{44}  E(71)^{34}  E(71)^{54}  E(71)$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{44}  E(71)^{65}  E(71)^{15}  E(71)^{36}  E(71)^{57}  E(71)^{7}  E(71)^{28}  E(71)^{49}  E(71)^{20}  E(71)^{41}  E(71)^{62}  E(71)^{12}  E(71)^{33}  E(71)^{54}  E(71)^{4}  E(71)^{25}  E(71)^{44}  E(71)^{44}  E(71)^{45}  E(71)$	$\frac{E(1)}{F(1)^{66}} = \frac{E(1)}{E(1)^{17}} = \frac{E(1)}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_{23} & 1 & E(71)^{22} & E(71)^{44} & E(71)^{66} & E(71)^{17} & E(71)^{39} & E(71)^{61} & E(71)^{12} & E(71)^{34} & E(71)^{56} & E(71)^{7} & E(71)^{29} & E(71)^{51} & E(71)^{2} & E(71)^{46} & E(71)^{68} & E(71)^{19} & E(71)^{41} \\ \chi_{24} & 1 & E(71)^{23} & E(71)^{46} & E(71)^{69} & E(71)^{21} & E(71)^{44} & E(71)^{67} & E(71)^{19} & E(71)^{42} & E(71)^{65} & E(71)^{17} & E(71)^{40} & E(71)^{63} & E(71)^{15} & E(71)^{38} & E(71)^{61} & E(71)^{13} & E(71)^{36} & E(71)^{59} \\ \end{pmatrix}$	$E(71)^{63}$ $E(71)^{14}$ $E(71)^{36}$ $E(71)^{58}$ $E(71)^{9}$ $E(71)^{31}$ $E(71)^{33}$ $E(71)^{4}$ $E(71)^{26}$ $E(71)^{48}$ $E(71)^{70}$ $E(71)^{21}$ $E(71)^{43}$ $E(71)^{65}$ $E(71)^{16}$ $E(71)^{38}$ $E(71)^{60}$ $E(71)^{11}$ $E(71)^{11}$ $E(71)^{34}$ $E(71)^{57}$ $E(71)^{9}$ $E(71)^{32}$ $E(71)^{55}$ $E(71)^{7}$ $E(71)^{30}$ $E(71)^{53}$ $E(71)^{53}$ $E(71)^{54}$ $E(71)^{54}$ $E(71)^{54}$ $E(71)^{54}$ $E(71)^{54}$ $E(71)^{55}$ $E(71)^{55}$ $E(71)^{7}$ $E(71)^{55}$ $E(71)^{5$	$\frac{71)^{11}}{671} \frac{E(71)^{33}}{671} \frac{E(71)^{35}}{671} \frac{E(71)^{28}}{671} \frac{E(71)^{50}}{671} \frac{E(71)}{671} \frac{E(71)^{23}}{671} \frac{E(71)^{45}}{671} \frac{E(71)^{45}}{671}$	$E(71)^{30}$ $E(71)^{52}$ $E(71)^{3}$ $E(71)^{25}$ $E(71)^{47}$ $E(71)^{69}$ $E(71)^{20}$ $E(71)^{42}$ $E(71)^{64}$ $E(71)^{15}$ $E(71)^{15}$ $E(71)^{15}$ $E(71)^{10}$ $E(71)^{10}$ $E(71)^{15}$ $E(71$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{30}  E(71)^{54}  E(71)^{7}  E(71)^{31}  E(71)^{55}  E(71)^{8}  E(71)^{32}  E(71)^{56}  E(71)^{9}  E(71)^{33}  E(71)^{57}  E(71)^{10}  E(71)^{34}  E(71)^{58}  E(71)^{11}  E(71)^{35}  E(71)^{59}  E(71)^$	$71)^{12}  E(71)^{36}  E(71)^{36}  E(71)^{13}  E(71)^{37}  E(71)^{61}  E(71)^{44}  E(71)^{38}  E(71)^{62}  E(71)^{15}  E(71)^{39}  E(71)^{63}  E(71)^{46}  E(71)^{40}  E(71)^{46}  E(71)^{47}  E(71)^{41}  E(71)^{48}  E(71)$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ E(71)^{68}  E(71)^{23}  E(71)^{49}  E(71)^{4}  E(71)^{30}  E(71)^{56}  E(71)^{11}  E(71)^{37}  E(71)^{63}  E(71)^{18}  E(71)^{44}  E(71)^{70}  E(71)^{51}  E(71)^{6}  E(71)^{32}  E(71)^{58}  E(71)^{58}  E(71)^{58}  E(71)^{59}  E(71$	$\frac{1}{1}\frac{1}\frac$	$\frac{E(71)^{25}}{E(71)^{25}} \frac{E(71)^{25}}{E(71)^{10}} \frac{E(71)^{25}}{E($
$\begin{bmatrix} \chi_{28} & 1 & E(71)^{27} & E(71)^{54} & E(71)^{10} & E(71)^{37} & E(71)^{64} & E(71)^{20} & E(71)^{47} & E(71)^{3} & E(71)^{3} & E(71)^{57} & E(71)^{13} & E(71)^{40} & E(71)^{67} & E(71)^{23} & E(71)^{50} & E(71)^{6} & E(71)^{3} & E(71)^{60} \\ \chi_{29} & 1 & E(71)^{28} & E(71)^{56} & E(71)^{13} & E(71)^{41} & E(71)^{69} & E(71)^{24} & E(71)^{54} & E(71)^{11} & E(71)^{39} & E(71)^{67} & E(71)^{52} & E(71)^{9} & E(71)^{37} & E(71)^{62} & E(71)^{22} & E(71)^{50} & E(71)^{7} \\ \chi_{29} & 1 & E(71)^{28} & E(71)^{28} & E(71)^{56} & E(71)^{13} & E(71)^{41} & E(71)^{54} & E(71)^{$	$E(71)^{16}  E(71)^{43}  E(71)^{70}  E(71)^{26}  E(71)^{53}  E(71)^{9}  E(71)^{36}  E(71)^{63}  E(71)^{19}  E(71)^{19}  E(71)^{46}  E(71)^{2}  E(71)^{29}  E(71)^{56}  E(71)^{12}  E(71)^{39}  E(71)^{66}  E(71)^{22}  E(71)^{35}  E(71)^{35}  E(71)^{63}  E(71)^{63}  E(71)^{63}  E(71)^{64}  E(71)^{18}  E(71)^{18}  E(71)^{46}  E(71)^{19}  E(71)$	$71)^{49}  E(71)^{5}  E(71)^{32}  E(71)^{59}  E(71)^{15}  E(71)^{42}  E(71)^{69}  E(71)^{25}  E(71)^{52}  E(71)^{52}  E(71)^{8}  E(71)^{35}  E(71)^{62}  E(71)^{18}  E(71)^{45}  E(71)  E(71)^{28}  E(71)^{55}  E(71)^{14}  E(71)^{42}  E(71)^{43}  E(71)^{44}  E(71)^{44} $	$(71)^{11}$ $E(71)^{38}$ $E(71)^{65}$ $E(71)^{21}$ $E(71)^{48}$ $E(71)^4$ $E(71)^{31}$ $E(71)^{58}$ $E(71)^{14}$ $E(71)^{41}$ $E(71)^{68}$ $E(71)^{24}$ $E(71)^{51}$ $E(71)^{7}$ $E(71)^{34}$ $E(71)^{61}$ $E(71)^{17}$ $E(71)^{44}$ $E(71)^{41}$ $E(71)^{42}$ $E(71)^{42}$ $E(71)^{42}$ $E(71)^{43}$ $E(71)^{44}$ $E(71)^{4$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{E(17)^{54}}{E(71)^{54}} \frac{E(71)^{41}}{E(71)^{42}} \frac{E(71)^{70}}{E(71)^{28}} \frac{E(71)^{57}}{E(71)^{57}} \frac{E(71)^{44}}{E(71)^{42}} \frac{E(71)^{2}}{E(71)^{43}} \frac{E(71)^{60}}{E(71)^{43}} \frac{E(71)^{47}}{E(71)^{47}} \frac{E(71)^{57}}{E(71)^{47}} \frac{E(71)^{63}}{E(71)^{47}} \frac{E(71)^{63}}{E(71)^{47}} \frac{E(71)^{63}}{E(71)^{47}} \frac{E(71)^{67}}{E(71)^{47}} \frac{E(71)^{67}}{E(7$	$\frac{2(17)^{50}}{(27)^{50}} \frac{E(71)^{8}}{(27)^{50}} \frac{E(71)^{37}}{(27)^{50}} \frac{E(71)^{24}}{(27)^{50}} \frac{E(71)^{14}}{(27)^{50}} \frac{E(71)^{40}}{(27)^{50}} \frac{E(71)^{40}}{(27)^{$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_{31} & 1 & E(71)^{30} & E(71)^{60} & E(71)^{19} & E(71)^{49} & E(71)^{8} & E(71)^{38} & E(71)^{68} & E(71)^{27} & E(71)^{57} & E(71)^{16} & E(71)^{46} & E(71)^{5} & E(71)^{65} & E(71)^{65} & E(71)^{24} & E(71)^{54} & E(71)^{13} & E(71)^{43} \\ \chi_{32} & 1 & E(71)^{31} & E(71)^{62} & E(71)^{22} & E(71)^{53} & E(71)^{13} & E(71)^{44} & E(71)^{4} & E(71)^{35} & E(71)^{66} & E(71)^{26} & E(71)^{57} & E(71)^{17} & E(71)^{48} & E(71)^{8} & E(71)^{70} & E(71)$	$E(71)^{21}  E(71)^{32}  E(71)^{32}  E(71)^{31}  E(71)^{31}  E(71)^{31}  E(71)^{40}  E(7$	$\frac{71)^{15}}{(71)^{15}} \frac{E(71)^{45}}{(271)^{45}} \frac{E(71)^{34}}{(271)^{34}} \frac{E(71)^{64}}{(271)^{25}} \frac{E(71)^{35}}{(271)^{25}} \frac{E(71)^{42}}{(271)^{42}} \frac{E(71)}{(271)^{45}} \frac{E(71)^{51}}{(271)^{45}} \frac{E(71)^{51}}{(271)^{45}$	$\frac{(71)^{28}}{(71)^{10}} \frac{E(71)^{36}}{E(71)^{41}} \frac{E(71)^{47}}{E(71)^{47}} \frac{E(71)^{60}}{E(71)^{50}} \frac{E(71)^{60}}{E(71)^{50}} \frac{E(71)^{25}}{E(71)^{55}} \frac{E(71)^{44}}{E(71)^{44}} \frac{E(71)^{44}}{E(71)^{45}} \frac{E(71)^{63}}{E(71)^{63}} \frac{E(71)^{62}}{E(71)^{63}} \frac{E(71)^{63}}{E(71)^{64}} \frac{E(71)^{44}}{E(71)^{44}} \frac{E(71)^{44}}{E(71)^{45}} \frac{E(71)^{44}}{E(71)^{45}} \frac{E(71)^{45}}{E(71)^{67}} \frac{E(71)^{63}}{E(71)^{68}} \frac{E(71)^{44}}{E(71)^{49}} \frac{E(71)^{44}}{E(71)^{44}} \frac{E(71)^{44}}{E(71$
$\begin{bmatrix} \chi_{33} & 1 & E(71)^{32} & E(71)^{64} & E(71)^{25} & E(71)^{57} & E(71)^{18} & E(71)^{50} & E(71)^{11} & E(71)^{43} & E(71)^{4} & E(71)^{36} & E(71)^{68} & E(71)^{29} & E(71)^{61} & E(71)^{22} & E(71)^{54} & E(71)^{47} & E(71)^{48} \\ \chi_{34} & 1 & E(71)^{33} & E(71)^{66} & E(71)^{28} & E(71)^{61} & E(71)^{23} & E(71)^{56} & E(71)^{18} & E($	$ E(71)^{40}  E(71)  E(71)^{33}  E(71)^{65}  E(71)^{26}  E(71)^{58}  E(71)^{19}  E(71)^{51}  E(71)^{12}  E(71)^{44}  E(71)^{5}  E(71)^{37}  E(71)^{69}  E(71)^{30}  E(71)^{62}  E(71)^{23}  E(71)^{55}  E(71)^{55}  E(71)^{59}  E(71)^{5$	$71\overset{16}{\cancel{5}}\overset{E}{\cancel{5}}\overset{E}{\cancel{5}}\overset{1}{\cancel{5}}\overset{1}{\cancel{5}}\overset{E}{\cancel{5}}\overset{1}{\cancel{5}}\overset$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$E(71)^{7}  E(71)^{41}  E(71)^{38}  E(71)  E(71)^{35}  E(71)^{69}  E(71)^{32}  E(71)^{66}  E(71)^{29}  E(71)^{63}  E(71)^{26}  E(71)^{26}  E(71)^{26}  E(71)^{27}  E(71)^{27$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	$E(71)^{26}$ $E(71)^{61}$ $E(71)^{25}$ $E(71)^{60}$ $E(71)^{24}$ $E(71)^{59}$ $E(71)^{23}$ $E(71)^{58}$ $E(71)^{22}$ $E(71)^{57}$ $E(71)^{21}$ $E(71)^{56}$ $E(71)^{20}$ $E(71)^{55}$ $E(71)^{19}$ $E(71)^{54}$ $E(71)^{18}$ $E(71)^{45}$ $E(71)^{45}$ $E(71)^{10}$ $E(71)^{46}$ $E(71)^{11}$ $E(71)^{47}$ $E(71)^{12}$ $E(71)^{48}$ $E(71)^{13}$ $E(71)^{49}$ $E(71)^{14}$ $E(71)^{50}$ $E(71)^{15}$ $E(71)^{51}$ $E(71)^{16}$ $E(71)^{52}$ $E(71)^{17}$ $E(71)^{53}$ $E(71)^{54}$ $E(71)^{55}$ $E(7$	$\frac{71)^{53}}{6} \frac{E(71)^{17}}{6} \frac{E(71)^{52}}{6} \frac{E(71)^{16}}{6} \frac{E(71)^{51}}{6} \frac{E(71)^{15}}{6} \frac{E(71)^{50}}{6} \frac{E(71)^{14}}{6} \frac{E(71)^{14}}{6} \frac{E(71)^{13}}{6} \frac{E(71)^{13}}{6} \frac{E(71)^{14}}{6} E(71$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$E(71)^{64}  E(71)^{30}  E(71)^{67}  E(71)^{33}  E(71)^{70}  E(71)^{36}  E(71)^{2}  E(71)^{39}  E(71)^{5}  E(71)^{42}  E(71)^{48}  E(71)^{45}  E(71)^{48}  E(71)$	$71)^{54}  E(71)^{20}  E(71)^{57}  E(71)^{23}  E(71)^{60}  E(71)^{26}  E(71)^{63}  E(71)^{29}  E(71)^{66}  E(71)^{32}  E(71)^{69}  E(71)^{35}  E(71)  E(71)^{38}  E(71)^{4}  E(71)^{41}  E(71)^{7}  E(71)^{19}  E(71)^{19} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\begin{bmatrix} \chi_{39} & 1 & E(11)^{13} & E(11)^{14} & E$	$ E(71)^{31}  E(71)^{70}  E(71)^{38}  E(71)^{6}  E(71)^{45}  E(71)^{13}  E(71)^{52}  E(71)^{20}  E(71)^{59}  E(71)^{27}  E(71)^{66}  E(71)^{34}  E(71)^{2}  E(71)^{41}  E(71)^{48}  E(71)^{16}  E(71)^{48}  E(71)^{16}  E(71)^{48}  E(71$	$\frac{1}{1} \frac{1}{1} \frac{1}$	$\frac{1}{1} = \frac{1}{1} = \frac{1}$
$\begin{bmatrix} \chi_{41} & 1 & E(71)^{40} & E(71)^{9} & E(71)^{49} & E(71)^{18} & E(71)^{58} & E(71)^{27} & E(71)^{67} & E(71)^{36} & E(71)^{5} & E(71)^{45} & E(71)^{14} & E(71)^{54} & E(71)^{23} & E(71)^{63} & E(71)^{32} & E(71) & E(71)^{41} & E(71)^{10} \\ \chi_{42} & 1 & E(71)^{41} & E(71)^{11} & E(71)^{12} & E(71)^{22} & E(71)^{63} & E(71)^{33} & E(71)^{3} & E(71)^{44} & E(71)^{14} & E(71)^{55} & E(71)^{25} & E(71)^{66} & E(71)^{36} & E(71)^{47} & E(71)^{17} & E(71)^{58} & E(71)^{28} \\ \chi_{42} & 1 & E(71)^{41} & E(71)^{41} & E(71)^{41} & E(71)^{41} & E(71)^{41} & E(71)^{41} & E(71)^{42} & E(71)^{42} & E(71)^{44} & E(71)^{44$	$E(71)^{50}  E(71)^{19}  E(71)^{59}  E(71)^{28}  E(71)^{68}  E(71)^{37}  E(71)^{6}  E(71)^{46}  E(71)^{15}  E(71)^{55}  E(71)^{24}  E(71)^{64}  E(71)^{33}  E(71)^{2}  E(71)^{42}  E(71)^{11}  E(71)^{51}  E(71)^{69}  E(71)^{69}  E(71)^{9}  E(71)^{50}  E(71)^{20}  E(71)^{61}  E(71)^{31}  E(71)  E(71)^{42}  E(71)^{12}  E(71)^{53}  E(71)^{23}  E(71)^{64}  E(71)^{34}  E(71)^{4}  E(71)^{45}  E(71)^{15}  E(71)^{15} $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$(71)^{61}$ $E(71)^{30}$ $E(71)^{70}$ $E(71)^{39}$ $E(71)^{8}$ $E(71)^{48}$ $E(71)^{17}$ $E(71)^{57}$ $E(71)^{26}$ $E(71)^{66}$ $E(71)^{35}$ $E(71)^{4}$ $E(71)^{44}$ $E(71)^{13}$ $E(71)^{53}$ $E(71)^{22}$ $E(71)^{62}$ $E(71)^{31}$ $E(71)^{43}$ $E(71)^{13}$ $E(71)^{54}$ $E(71)^{54}$ $E(71)^{65}$ $E(71)^{35}$ $E(71)^{5}$ $E(71)^{46}$ $E(71)^{16}$ $E(71)^{$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{17}  E(71)^{59}  E(71)^{30}  E(71)  E(71)^{43}  E(71)^{14}  E(71)^{56}  E(71)^{27}  E(71)^{69}  E(71)^{40}  E(71)^{11}  E(71)^{53}  E(71)^{24}  E(71)^{66}  E(71)^{37}  E(71)^{8}  E(71)^{50}  E(71)^{38}  E(71)^{38$	$71)^{21}  E(71)^{63}  E(71)^{34}  E(71)^{5}  E(71)^{47}  E(71)^{18}  E(71)^{60}  E(71)^{31}  E(71)^{2}  E(71)^{44}  E(71)^{15}  E(71)^{57}  E(71)^{28}  E(71)^{40}  E(71)^{41}  E(71)^{54}  E(71)^{54}  E(71)^{58}  E(71)^{$	$\frac{71)^{25}}{5} \frac{E(71)^{67}}{5} \frac{E(71)^{38}}{5} \frac{E(71)^{9}}{5} \frac{E(71)^{51}}{5} \frac{E(71)^{22}}{5} \frac{E(71)^{64}}{5} \frac{E(71)^{35}}{5} \frac{E(71)^{6}}{5} \frac{E(71)^{48}}{5} \frac{E(71)^{49}}{5} \frac{E(71)^{39}}{5} E(71)^$
$\begin{bmatrix} \chi_{44} & 1 & E(71)^{13} & E$	$ E(71)^{65}  E($	$\frac{1}{71} \frac{1}{12} \frac$	$\frac{E(71)^{60}}{E(71)^{33}} \frac{E(71)^{60}}{E(71)^{60}} \frac{E(71)^{61}}{E(71)^{60}} \frac{E(71)^{61}}{E(71)^{61}} \frac{E(71)^{61}}{E($
$\begin{bmatrix} \chi_{46} & 1 & E(71)^{45} & E(71)^{19} & E(71)^{64} & E(71)^{38} & E(71)^{12} & E(71)^{57} & E(71)^{31} & E(71)^{5} & E(71)^{50} & E(71)^{24} & E(71)^{69} & E(71)^{43} & E(71)^{47} & E(71)^{62} & E(71)^{36} & E(71)^{10} & E(71)^{55} & E(71)^{29} \\ \chi_{46} & 1 & E(71)^{46} & E(71)^{21} & E(71)^{64} & E(71)^{64} & E(71)^{12} & E(71)^{12} & E(71)^{13} & E($	$E(71)^3  E(71)^{48}  E(71)^{22}  E(71)^{67}  E(71)^{41}  E(71)^{15}  E(71)^{60}  E(71)^{34}  E(71)^{8}  E(71)^{53}  E(71)^{27}  E(71)  E(71)^{46}  E(71)^{20}  E(71)^{65}  E(71)^{39}  E(71)^{13}  E(71)^{12}  E(71)^{13}  E(71)^{14}  E(71)^{14}  E(71)^{16}  E(71)^{15}  E(71)^{16}  E(71)^{15}  E(71)^{16}  E(71)^{15}  E(71)^{17}  E(71)^{18}  E(71)^{18} $	$71)^{58}  E(71)^{32}  E(71)^{6}  E(71)^{51}  E(71)^{55}  E(71)^{70}  E(71)^{44}  E(71)^{18}  E(71)^{63}  E(71)^{37}  E(71)^{11}  E(71)^{56}  E(71)^{30}  E(71)^{4}  E(71)^{49}  E(71)^{23}  E(71)^{68}  E(71)^{23}  E(71)^{69}  E(71)^{69}  E(71)^{49}  E(71)^{69}  E(71)^{49}  E(71)^{$	$(71)^{42}$ $E(71)^{16}$ $E(71)^{61}$ $E(71)^{61}$ $E(71)^{35}$ $E(71)^{9}$ $E(71)^{54}$ $E(71)^{28}$ $E(71)^{2}$ $E(71)^{47}$ $E(71)^{21}$ $E(71)^{66}$ $E(71)^{40}$ $E(71)^{4}$ $E(71)^{59}$ $E(71)^{33}$ $E(71)^{7}$ $E(71)^{52}$ $E(71)^{26}$ $E(71)^{24}$ $E(71)^{70}$ $E(71)^{45}$ $E(71)^{20}$ $E(71)^{46}$ $E(71)^{41}$ $E(71)^{16}$ $E(71)^{46}$ $E(71)^{45}$ $E(71)^{4$
$\begin{bmatrix} \chi_{48} & 1 & E(71)^{47} & E(71)^{23} & E(71)^{46} & E(71)^{22} & E(71)^{69} & E(71)^{45} & E(71)^{44} & E(71)^{20} & E(71)^{46} & E(71)^{48} & E$	$E(71)^{41}  E(71)^{17}  E(71)^{64}  E(71)^{40}  E(71)^{16}  E(71)^{63}  E(71)^{15}  E(71)^{15}  E(71)^{16}  E(71)^{13}  E(71)^{13}  E(71)^{13}  E(71)^{13}  E(71)^{13}  E(71)^{14}  E(71)^{15}  E(7$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{vmatrix} \chi_{49} & 1 & E(71)^{49} & E(71)^{27} & E(71)^{5} & E(71)^{54} & E(71)^{32} & E(71)^{10} & E(71)^{59} & E(71)^{37} & E(71)^{15} & E(71)^{42} & E(71)^{49} & E(71)^{47} & E$	$E(71)^{60}  E(71)^{37}  E(71)^{14}  E(71)^{62}  E(71)^{39}  E(71)^{16}  E(71)^{64}  E(71)^{41}  E(71)^{18}  E(71)^{60}  E(71)^{43}  E(71)^{20}  E(71)^{43}  E(71)^{43}  E(71)^{42}  E(71)^{44}  E(7$	$\frac{71)^{24}}{6}  E(71)  E(71)^{49}  E(71)^{26}  E(71)^{3}  E(71)^{31}  E(71)^{28}  E(71)^{3}  E(71)^{33}  E(71)^{36}  E(71)^{49}  E(71)^{36}  E(71)^$	$\frac{E(71)^{39}}{E(71)^{39}} \frac{E(71)^{36}}{E(71)^{41}} \frac{E(71)^{41}}{E(71)^{42}} \frac{E(71)^{43}}{E(71)^{44}} \frac{E(71)^{44}}{E(71)^{44}} \frac{E(71)^{44}}{E($
$\begin{bmatrix} \chi_{51} & 1 & E(71)^{50} & E(71)^{29} & E(71)^{8} & E(71)^{58} & E(71)^{37} & E(71)^{16} & E(71)^{16} & E(71)^{45} & E(71)^{45} & E(71)^{3} & E(71)^{53} & E(71)^{32} & E(71)^{11} & E(71)^{61} & E(71)^{40} & E(71)^{19} & E(71)^{69} & E(71)^{48} \\ \chi_{52} & 1 & E(71)^{51} & E(71)^{31} & E(71)^{31} & E(71)^{11} & E(71)^{62} & E(71)^{42} & E(71)^{22} & E(71)^{2} & E(71)^{53} & E(71)^{33} & E(71)^{33} & E(71)^{44} & E(71)^{44} & E(71)^{4} & E(71)^{4} & E(71)^{55} & E(71)^{35} & E(71)^{15} & E(71)^{66} \\ \end{bmatrix}$	$E(71)^{27}  E(71)^{6}  E(71)^{56}  E(71)^{35}  E(71)^{14}  E(71)^{64}  E(71)^{43}  E(71)^{22}  E(71)  E(71)^{51}  E(71)^{30}  E(71)^{9}  E(71)^{59}  E(71)^{38}  E(71)^{17}  E(71)^{67}  E(71)^{46}  E(71)^{46}$	$\frac{71)^{25}}{(271)^{41}} \frac{E(71)^{4}}{(271)^{41}} \frac{E(71)^{33}}{(271)^{41}} \frac{E(71)^{12}}{(271)^{12}} \frac{E(71)^{41}}{(271)^{42}} \frac{E(71)^{20}}{(271)^{41}} \frac{E(71)^{49}}{(271)^{43}} \frac{E(71)^{28}}{(271)^{42}} \frac{E(71)^{36}}{(271)^{44}} \frac{E(71)^{45}}{(271)^{44}} \frac{E(71)^{44}}{(271)^{44}} \frac{E(71)^{44}}{(271)$	$\frac{(71)^{23}}{(71)^{5}} \frac{E(71)^{5}}{(71)^{56}} \frac{E(71)^{52}}{(71)^{36}} \frac{E(71)^{10}}{(71)^{67}} \frac{E(71)^{39}}{(71)^{47}} \frac{E(71)^{18}}{(71)^{47}} \frac{E(71)^{47}}{(71)^{58}} \frac{E(71)^{47}}{(71)^{58}} \frac{E(71)^{55}}{(71)^{58}} \frac{E(71)^{34}}{(71)^{49}} \frac{E(71)^{33}}{(71)^{49}} \frac{E(71)^{49}}{(71)^{49}} \frac{E(71)^{49}}{(71)^{49$
$ \begin{vmatrix} \chi_{53} & 1 & E(71)^{52} & E(71)^{33} & E(71)^{14} & E(71)^{66} & E(71)^{47} & E(71)^{28} & E(71)^{9} & E(71)^{61} & E(71)^{42} & E(71)^{23} & E(71)^{4} & E(71)^{56} & E(71)^{37} & E(71)^{18} & E(71)^{70} & E(71)^{51} & E(71)^{32} & E(71)^{13} & E(71)^{18} & E($	$E(71)^{65}  E(71)^{46}  E(71)^{27}  E(71)^{8}  E(71)^{60}  E(71)^{41}  E(71)^{22}  E(71)^{35}  E(71)^{36}  E(71)^{17}  E(71)^{69}  E(71)^{50}  E(71)^{12}  E(71)^{12}  E(71)^{45}  E(71$	$\frac{11}{71} \frac{E(11)}{E(11)} $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{13}$ $E(71)^{66}$ $E(71)^{48}$ $E(71)^{30}$ $E(71)^{12}$ $E(71)^{65}$ $E(71)^{47}$ $E(71)^{29}$ $E(71)^{11}$ $E(71)^{64}$ $E(71)^{46}$ $E(71)^{28}$ $E(71)^{10}$ $E(71)^{63}$ $E(71)^{43}$ $E(71)^{24}$ $E(71)^{29}$ $E(71)^{39}$ $E(7$	$\frac{71)^{62}}{(71)^{27}} \frac{E(71)^{44}}{(271)^{45}} \frac{E(71)^{8}}{(271)^{8}} \frac{E(71)^{43}}{(271)^{43}} \frac{E(71)^{23}}{(271)^{43}} \frac{E(71)^{60}}{(271)^{50}} \frac{E(71)^{42}}{(271)^{42}} \frac{E(71)^{24}}{(271)^{45}} \frac{E(71)^{41}}{(271)^{50}} \frac{E(71)^{53}}{(271)^{56}} \frac{E(71)^{56}}{(271)^{56}} \frac{E(71)^{56}}{(271)^{$	$(71)^{40}$ $E(71)^{22}$ $E(71)^{4}$ $E(71)^{37}$ $E(71)^{39}$ $E(71)^{21}$ $E(71)^{3}$ $E(71)^{30}$ $E(71)^{30}$ $E(71)^{30}$ $E(71)^{30}$ $E(71)^{30}$ $E(71)^{40}$ $E(71)^$
$ \begin{vmatrix} \chi_{56} \\ \chi_{57} \end{vmatrix} = 1  E(71)^{55}  E(71)^{39}  E(71)^{23}  E(71)^{7}  E(71)^{62}  E(71)^{46}  E(7$	$ E(71)^{51}  E(71)^{35}  E(71)^{19}  E(71)^{3}  E(71)^{58}  E(71)^{42}  E(71)^{26}  E(71)^{10}  E(71)^{65}  E(71)^{49}  E(71)^{49}  E(71)^{17}  E(71)  E(71)^{56}  E(71)^{40}  E(71)^{24}  E(71)^{8}  E(71)^{18}  E(71)^{19}  E(71)^{19$	$71\overset{63}{\cancel{5}}  E(71)\overset{47}{\cancel{5}}  E(71)\overset{47}{\cancel{5}}  E(71)\overset{15}{\cancel{5}}  E(71)\overset{54}{\cancel{5}}  E(71)\overset{54}{\cancel{5}}  E(71)\overset{54}{\cancel{5}}  E(71)\overset{62}{\cancel{5}}  E(71)\overset{62}{\cancel{5}}  E(71)\overset{61}{\cancel{5}}  E(71)\overset{61}{5$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$\left \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ E(71)^{18}  E(71)^{4}  E(71)^{61}  E(71)^{47}  E(71)^{33}  E(71)^{19}  E(71)^{5}  E(71)^{62}  E(71)^{48}  E(71)^{34}  E(71)^{20}  E(71)^{6}  E(71)^{49}  E(71)^{35}  E(71)^{27}  E(71)^{7}  E(7$	$\frac{E(1)}{F(1)^{64}} = \frac{E(1)}{F(1)^{36}} = \frac{E(1)}{F(1)^{36}} = \frac{E(1)}{F(1)^{65}} = \frac{E(1)}{F(1)^{51}} = \frac{E(1)}{F(1)^{37}} = \frac{E(1)}{F(1)^{37}} = \frac{E(1)}{F(1)^{66}} = \frac{E(1)}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{E(71)^{37}}{E(71)^{56}} \frac{E(71)^{24}}{E(71)^{44}} \frac{E(71)^{11}}{E(71)^{59}} \frac{E(71)^{50}}{E(71)^{50}} \frac{E(71)^{43}}{E(71)^{43}} \frac{E(71)^{17}}{E(71)^{55}} \frac{E(71)^{4}}{E(71)^{31}} \frac{E(71)^{62}}{E(71)^{19}} \frac{E(71)^{30}}{E(71)^{50}} \frac{E(71)^{10}}{E(71)^{50}} \frac{E(71)^{50}}{E(71)^{50}} \frac{E(71)^{43}}{E(71)^{43}} \frac{E(71)^{4}}{E(71)^{4}} \frac{E(71)^{49}}{E(71)^{4}} \frac{E(71)^{30}}{E(71)^{54}} \frac{E(71)^{10}}{E(71)^{54}} \frac{E(71)^{50}}{E(71)^{43}} \frac{E(71)^{43}}{E(71)^{43}} \frac{E(71)^{43}}{E(71)^$	$\frac{71)^{29}}{6} \frac{E(71)^{16}}{E(71)^{33}} \frac{E(71)^{61}}{E(71)^{48}} \frac{E(71)^{48}}{E(71)^{35}} \frac{E(71)^{22}}{E(71)^{22}} \frac{E(71)^{9}}{E(71)^{67}} \frac{E(71)^{64}}{E(71)^{54}} \frac{E(71)^{41}}{E(71)^{41}} \frac{E(71)^{15}}{E(71)^{45}} \frac{E(71)^{15}}{E(71)^{45}} \frac{E(71)^{45}}{E(71)^{45}} $	$\frac{71)^{21}}{E(71)^8} \frac{E(71)^{86}}{E(71)^{60}} \frac{E(71)^{53}}{E(71)^{40}} \frac{E(71)^{27}}{E(71)^{44}} \frac{E(71)^{14}}{E(71)^{4}} \frac{E(71)}{E(71)^{59}} \frac{E(71)^{46}}{E(71)^{46}} \frac{E(71)^{20}}{E(71)^{33}} \frac{E(71)^{20}}{E(71)^{4}} \frac{E(71)^{52}}{E(71)^{46}} \frac{E(71)^{26}}{E(71)^{48}} \frac{E(71)^{26}}{E(71)^{24}} \frac{E(71)^{13}}{E(71)^{4}} \frac{E(71)^{46}}{E(71)^{46}} E$
$ \begin{vmatrix} \chi_{61} \\ \chi_{62} \end{vmatrix} = 1  E(71)^{60}  E(71)^{49}  E(71)^{38}  E(71)^{27}  E(71)^{16}  E(71)^{5}  E(71)^{65}  E(71)^{65}  E(71)^{54}  E(71)^{43}  E(71)^{32}  E(71)^{21}  E(71)^{10}  E(71)^{70}  E(71)^{59}  E(71)^{48}  E(71)^{37}  E(71)^{26}  E(71)^{15} \\ \chi_{62} \end{vmatrix} = 1  E(71)^{61}  E(71)^{61}  E(71)^{61}  E(71)^{41}  E(71)^{41}  E(71)^{41}  E(71)^{41}  E(71)^{41}  E(71)^{42}  E(71)^{42}  E(71)^{42}  E(71)^{42}  E(71)^{42}  E(71)^{42}  E(71)^{42}  E(71)^{43}  E(71)^{43}  E(71)^{43}  E(71)^{43}  E(71)^{43}  E(71)^{44}  E$	$E(71)^4  E(71)^{64}  E(71)^{53}  E(71)^{42}  E(71)^{31}  E(71)^{20}  E(71)^{9}  E(71)^{69}  E(71)^{58}  E(71)^{47}  E(71)^{36}  E(71)^{14}  E(71)^{3}  E(71)^{63}  E(71)^{63}  E(71)^{52}  E(71)^{41}  E(71)^{41}  E(71)^{42}  E(71)^{43}  E(71)^{44}  E(71)^{45}  E(71)^{4$	$71\overset{\cancel{)}30}{\cancel{)}30}  E(71)\overset{\cancel{)}19}{\cancel{)}19}  E(71)\overset{\cancel{)}8}{\cancel{)}8}  E(71)\overset{\cancel{)}68}{\cancel{)}8}  E(71)\overset{\cancel{)}67}{\cancel{)}57}  E(71)\overset{\cancel{)}46}{\cancel{)}6}  E(71)\overset{\cancel{)}46}{\cancel{)}6}  E(71)\overset{\cancel{)}46}{\cancel{)}6}  E(71)\overset{\cancel{)}68}{\cancel{)}6}  E(71)\overset{\cancel{)}68}{\cancel{0}71}  E(71)\overset{\cancel{0}8}{\cancel{0}71}  E(71)\overset{\cancel{0}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ E(71) \stackrel{E}{=} E(71) \stackrel{E}{=}$	$\frac{11}{71} \frac{E(11)}{8} \frac{E(11)}{11} E(11)$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{61}$ $E(71)^{53}$ $E(71)^{45}$ $E(71)^{37}$ $E(71)^{29}$ $E(71)^{21}$ $E(71)^{13}$ $E(71)^{15}$ $E(71)^{68}$ $E(71)^{60}$ $E(71)^{52}$ $E(71)^{44}$ $E(71)^{36}$ $E(71)^{28}$ $E(71)^{20}$ $E(71)^{12}$ $E(71)^{4}$	$\frac{71)^{67}}{67}  E(71)^{59}  E(71)^{51}  E(71)^{43}  E(71)^{43}  E(71)^{35}  E(71)^{27}  E(71)^{19}  E(71)^{11}  E(71)^{3}  E(71)^{66}  E(71)^{58}  E(71)^{50}  E(71)^{42}  E(71)^{34}  E(71)^{26}  E(71)^{18}  E(71)^{10}  E(71)^{32}  E(71)^{25}  E(71)^{18}  E(71)^{11}  E(71)^{4}  E(71)^{69}  E(71)^{54}  E(71)^{47}  E(71)^{40}  E(71)^{33}  E(71)^{26}  E(71)^{19}  E(71)^{12}  E(71)^{5}  E(71)^{69}  E(71)^{62}  E(71)^{69}  E$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{vmatrix} \chi_{66} \\ \chi_{67} \end{vmatrix} = 1 - E(71)^{65} - E(71)^{59} - E(71)^{53} - E(71)^{47} - E(71)^{41} - E(71)^{45} - E(71)^{29} - E(71)^{29} - E(71)^{23} - E(71)^{47} - E(71)^{41} - E(71)^{45} - E(71)^{46} - E($	$E(71)^{28}  E(71)^{22}  E(71)^{16}  E(71)^{10}  E(71)^{4}  E(71)^{69}  E(71)^{63}  E(71)^{57}  E(71)^{51}  E(71)^{45}  E(71)^{39}  E(71)^{33}  E(71)^{27}  E(71)^{15}  E(71)^{15}  E(71)^{3}  E(71)^{38}  E(71)^{58}  E(71)$	$71)^{68}  E(71)^{62}  E(71)^{56}  E(71)^{56}  E(71)^{44}  E(71)^{38}  E(71)^{32}  E(71)^{26}  E(71)^{20}  E(71)^{14}  E(71)^{8}  E(71)^{2}  E(71)^{67}  E(71)^{61}  E(71)^{55}  E(71)^{49}  E(71)^{43}  E(71)^{33}  E(71)^{33}  E(71)^{38}  E(71)^{$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ E(71)^{66}  E(71)^{62}  E(71)^{58}  E(71)^{54}  E(71)^{50}  E(71)^{46}  E(71)^{42}  E(71)^{38}  E(71)^{34}  E(71)^{30}  E(71)^{26}  E(71)^{22}  E(71)^{18}  E(71)^{14}  E(71)^{10}  E(71)^{2}  E(71)^{24}  E(71)^{14}  E(71)^{10}  E(71)^{2}  E(71)^{24}  E(71$	$\frac{1}{1}\frac{1}\frac$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
$ \begin{vmatrix} \chi_{69} & 1 & E(71)^{68} & E(71)^{65} & E(71)^{65} & E(71)^{62} & E(71)^{59} & E(71)^{56} & E(71)^{53} & E(71)^{50} & E(71)^{50} & E(71)^{47} & E(71)^{44} & E(71)^{41} & E(71)^{48} & E(71)^{35} & E(71)^{35} & E(71)^{29} & E(71)^{26} & E(71)^{23} & E(71)^{20} & E(71)^{17} \\ \chi_{70} & 1 & E(71)^{69} & E(71)^{67} & E(71)^{65} & E(71)^{63} & E(71)^{61} & E(71)^{59} & E(71)^{57} & E(71)^{55} & E(71)^{53} & E(71)^{51} & E(71)^{49} & E(71)^{47} & E(71)^{45} & E(71)^{41} & E(71)^{49} & $	$E(71)^{14}  E(71)^{11}  E(71)^{8}  E(71)^{5}  E(71)^{2}  E(71)^{70}  E(71)^{70}  E(71)^{67}  E(71)^{64}  E(71)^{61}  E(71)^{58}  E(71)^{55}  E(71)^{52}  E(71)^{49}  E(71)^{46}  E(71)^{43}  E(71)^{40}  E(71)^{37}  E(71)^{33}  E(71)^{33}  E(71)^{31}  E(71)^{29}  E(71)^{27}  E(71)^{25}  E(71)^{23}  E(71)^{21}  E(71)^{19}  E(71)^{17}  E(71)^{15}  E(71)^{13}  E(71)^{11}  E(71)^{9}  E(71)^{7}  E(71)^{5}  E(71)^{3}  E(71)  E(71)^{19}  E($	$71)^{34}  E(71)^{31}  E(71)^{28}  E(71)^{25}  E(71)^{22}  E(71)^{19}  E(71)^{16}  E(71)^{13}  E(71)^{10}  E(71)^{7}  E(71)^{4}  E(71)  E(71)^{69}  E(71)^{66}  E(71)^{63}  E(71)^{60}  E(71)^{57}  E(71)^{7}  E(71)^{68}  E(71)^{68}  E(71)^{66}  E(71)^{62}  E(71)^{60}  E(71)^{58}  E(71)^{56}  E(71)^{54}  E(71)^{52}  E(71)^{50}  E(71)^{48}  E(71)^{46}  E(71)^{44}  E(71)^{42}  E(71)^{40}  E(71)^{38}  E(71)^{48}  $	$\frac{71)^{54}}{671)^{54}} \frac{E(71)^{51}}{E(71)^{48}} \frac{E(71)^{45}}{E(71)^{45}} \frac{E(71)^{42}}{E(71)^{39}} \frac{E(71)^{36}}{E(71)^{24}} \frac{E(71)^{30}}{E(71)^{20}} \frac{E(71)^{27}}{E(71)^{24}} \frac{E(71)^{21}}{E(71)^{14}} \frac{E(71)^{18}}{E(71)^{14}} \frac{E(71)^{15}}{E(71)^{16}} \frac{E(71)^{9}}{E(71)^{6}} \frac{E(71)^{6}}{E(71)^{4}} \frac{E(71)^{3}}{E(71)^{2}} = \frac{1}{12} 1$
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$E(71)^{52}  E(71)^{51}  E(71)^{50}  E(71)^{49}  E(71)^{48}  E(71)^{47}  E(71)^{46}  E(71)^{45}  E(71)^{44}  E(71)^{43}  E(71)^{42}  E(71)^{41}  E(71)^{40}  E(71)^{39}  E(71)^{38}  E(71)^{37}  E(71)^{36}  E(71)^{48}  E(7$	$\frac{1}{71} \frac{1}{35} \frac{1}{E(71)^{34}} \frac{1}{E(71)^{33}} \frac{1}{E(71)^{32}} \frac{1}{E(71)^{31}} \frac{1}{E(71)^{30}} \frac{1}{E(71)^{29}} \frac{1}{E(71)^{28}} \frac{1}{E(71)^{27}} \frac{1}{E(71)^{26}} \frac{1}{E(71)^{25}} \frac{1}{E(71)^{24}} \frac{1}{E(71)^{23}} \frac{1}{E(71)^{21}} \frac{1}{E(71)^{20}} \frac{1}{E(71)^{19}} 1$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Trivial source character table of $G \cong C71$ at $p = 71$ :  Normalisers $N_i$			$\mid N_1 \mid N_2 \mid$
Normalisers $N_i$ $p\text{-subgroups of }G\text{ up to conjugacy in }G$ Representatives $n_j \in N_i$ $1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{19} + 1 \cdot$			$egin{array}{ c c c c c c c c c c c c c c c c c c c$
$\frac{\text{Representatives } n_j \in N_i}{1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{22} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{22} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{22}$	$\chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{25} + 1 \cdot \chi_{26} + 1 \cdot \chi_{27} + 1 \cdot \chi_{28} + 1 \cdot \chi_{29} + 1 \cdot \chi_{30} + 1 \cdot \chi_{31} + 1 \cdot \chi_{32} + 1 \cdot \chi_{33} + 1 \cdot \chi_{34} + 1 \cdot \chi_{35} + 1 \cdot \chi_{36} + 1 \cdot \chi_{37} + 1 \cdot \chi_{38} + 1 \cdot \chi_{39} + 1 \cdot \chi_{40} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{42} + 1 \cdot \chi_{41} + 1 \cdot \chi_{42} + 1 \cdot \chi_{$	$-1 \cdot \chi_{43} + 1 \cdot \chi_{44} + 1 \cdot \chi_{45} + 1 \cdot \chi_{46} + 1 \cdot \chi_{47} + 1 \cdot \chi_{48} + 1 \cdot \chi_{49} + 1 \cdot \chi_{50} + 1 \cdot \chi_{51} + 1 \cdot \chi_{52} + 1 \cdot \chi_{53} + 1 \cdot \chi_{54} + 1 \cdot \chi_{55} + 1 \cdot \chi_{56} + 1 \cdot \chi_{57} + 1 \cdot \chi_{58} + 1 \cdot \chi_{59} + 1 \cdot \chi_{60} + 1 \cdot \chi_{61} + 1 $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$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_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $	$\chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{31} + 0 \cdot \chi_{32} + 0 \cdot \chi_{33} + 0 \cdot \chi_{34} + 0 \cdot \chi_{35} + 0 \cdot \chi_{36} + 0 \cdot \chi_{37} + 0 \cdot \chi_{38} + 0 \cdot \chi_{39} + 0 \cdot \chi_{40} + 0 \cdot \chi_{41} + 0 \cdot \chi_{42} + 0 \cdot \chi_{42} + 0 \cdot \chi_{41} + 0 \cdot \chi_{42} + 0 \cdot \chi_{$	$-0 \cdot \chi_{43} + 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_{50} + 0 \cdot \chi_{51} + 0 \cdot \chi_{52} + 0 \cdot \chi_{53} + 0 \cdot \chi_{54} + 0 \cdot \chi_{55} + 0 \cdot \chi_{56} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{59} + 0 \cdot \chi_{60} + 0 \cdot \chi_{61} + 0 $	$ \cdot \chi_{62} + 0 \cdot \chi_{63} + 0 \cdot \chi_{64} + 0 \cdot \chi_{65} + 0 \cdot \chi_{66} + 0 \cdot \chi_{67} + 0 \cdot \chi_{68} + 0 \cdot \chi_{69} + 0 \cdot \chi_{70} + 0 \cdot \chi_{71} \mid 1 \mid 1 \mid 1 $

 $P_1 = Group([()]) \cong 1 \\ P_2 = Group([(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71)]) \cong C71$ 

 $N_1 = Group([(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71)]) \cong C71$   $N_2 = Group([(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71)]) \cong C71$