The group G is isomorphic to the group labelled by [69, 1] in the Small Groups library. Ordinary character table of $G \cong C69$: $E(3) \quad E(3) \quad$ $4 \quad \begin{bmatrix} 1 \quad E(23) \quad E(23)^2 \quad E(23)^2 \quad E(23)^2 \quad E(23)^3 \quad E(23)^4 \quad E(23)^3 \quad E(23)^4 \quad E(23)^{13} \quad E(23)^{14} \quad E(23)^{15} \quad E(23)^{16} \quad E(23)^{17} \quad E(23)^{18} \quad E(23)^$ $\chi_5 \ | \ 1 \ | \ E(23) \ | \ E(23)^2 \ | \ E(23)^2 \ | \ E(23)^3 \ | \ E(23)^4 \ | \ E(23)^3 \ | \ E(23)^4 \ | \ E(23)^{15} \ | \ E(23)^{15$ $- \frac{1}{1} \quad E(23)^2 \quad E(23)^4 \quad E(23)^2 \quad E(23)^4 \quad E(23)^4 \quad E(23)^4 \quad E(23)^4 \quad E(23)^{10} \quad E(23)^{12} \quad E(23)^{13} \quad E(23)^{13}$ $\begin{bmatrix} 1 & E(23)^2 & E(23)^4 & E(23)^2 & E(23)^4 & E(23)^4 & E(23)^4 & E(23)^4 & E(23)^4 & E(23)^{15} & E(23)^{1$ $\begin{bmatrix} 1 & E(23)^2 & E(23)^4 & E(23)^4 & E(23)^4 & E(23)^4 & E(23)^4 & E(23)^{10} & E($ $\begin{bmatrix}1&E(23)^3&E(23)^6&E(23)^9&E(23)^{12}&E(23)^{13}&E(23)^{14}&E(23)^{13}&E(23)^{15}&E(23$ $E(23)^{10} = E(23)^{10} = E(2$ $1 - E(23)^3 - E(23)^6 - E(23)^4 -$ $E(23)^{15} E(23)^{16} E(23)^{18} E(23)^{18$ $E(69)^{58} E(69)^{58} E(69)^{58$ $\{ ext{1} \ ext{2} \$ $E(23)^{5} E(23)^{10} E(23)^{5} E(23)^{10} E(23)^{10}$ $E(69)^{58} E(69)^{58} E(69)^{58$ $1 - E(23)^{6} - E(23)^{10} - E(23)^{6} - E(23)^{10} - E$ $\{ E(3)^{15} E($ $23 \mid 1 \quad E(23)^7 \quad E(23)^{14} \quad E(23)^7 \quad E(23)^{14} \quad E(23)^{21} \quad E(23)^{14} \quad E(23)^{21} \quad E(23)^{14} \quad E(23)^{14} \quad E(23)^{15} \quad$ $\{23\}^{15} = (23)$ $E(69)^{58} E(69)^{58} E(69)^{58$ $E(69)^{56} E(69)^{56} E(69)^{56$ $E(23)^{10} = E(23)^{10} = E(2$ $\{ e_{30} \mid 1 = (23)^9 = (23)^{18} = (23)^9 = (23)^{18} = (23)^4 = (23)^{18}$ $\{ E(3)^{10} \ E(6)^{10} \ E($ $E(69)^{58} E(69)^{58} E(69)^{58$ $\{ 23 \}^{13} = \{ 23 \}^{14} =$ $\{ E(3)^{15} E($ $E(69)^{56} E(69)^{57} E(69)^{58} E(69)^{58$ $E(23)^{13} E(23)^{14} E(23)^{15} E(23)^{15$ $E(69)^{58} E(69)^{58} E(69)^{58$ $E(69)^{58} E(69)^{58} E(69)^{58$ $E(23)^{13} \quad E(23)^{14} \quad E(23)^{15} \quad E(23)^{16} \quad E(23)^{16} \quad E(23)^{16} \quad E(23)^{16} \quad E(23)^{16} \quad E(23)^{17} \quad E(23)^{18} \quad E(2$ $\{ E(3)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{14} \ E(23)^{14} \ E(23)^{14} \ E(23)^{15} \ E($ $E(69)^{58} E(69)^{58} E(69)^{58$ $1 \quad E(23)^{14} \quad E(23)^{15} \quad E(23)^{14} \quad E(23)^{15} \quad$ $E(69)^{56} E(69)^{57} E(69)^{58} E(69)^{58$ $\{ 1 \ \ E(23)^{14} \ \ E(23)^{14} \ \ E(23)^{14} \ \ E(23)^{15} \ \ E(23)^{14} \ \ E(23)^{15} \ \ E(23)^{16} \ \ E(23)^{16} \ \ E(23)^{17} \ \ E(23)^{18} \ \ E(23)^{18}$ $E(69)^{58} E(69)^{48} E(69)^{58} E(69)^{48} E(69)^{58} E(69)^{58$ $\{ E_{50} = E_{50} =$ $1 \quad E(23)^{16} \quad E(23)^{18} \quad$ $1 \quad E(23)^{17} \quad E(23)^{17} \quad E(23)^{17} \quad E(23)^{17} \quad E(23)^{17} \quad E(23)^{17} \quad E(23)^{18} \quad$ $\{1 - E(23)^{17} - E(23)^{17} - E(23)^{17} - E(23)^{17} - E(23)^{17} - E(23)^{17} - E(23)^{18} - E(23)^{18}$ $f_{55} = f_{55} =$ $E(69)^{56} = E(69)^{56} = E($ $E(69)^{58} E(69)^{48} E(69)^{58} E(69)^{48} E(69)^{58} E(69)^{48} E(69)^{58} E(69)^{58$ $f_{58} \mid 1 \quad E(23)^{19} \quad E(23)^{15} \quad E(23)^{19} \quad E(23)^{15} \quad E($

> $f_{59} = f_{59} =$ $E(69)^{58} E(69)^{58} E(69)^{58$ $\{ E(3)^{15} E($ $\{ (69)^{58} \ E(69)^{58} \ E($ $E(69)^{58} E(69)^{58} E(69)^{58$ $\chi_{67} \hspace{0.1cm} \hspace{0.1cm} 1 \hspace{0.1cm} \hspace{0.1cm} \hspace{0.1cm} \hspace{0.1cm} \chi_{67} \hspace{0.1cm} 1 \hspace{0.1cm} \hspace{0.1cm} \hspace{0.1cm} \hspace{0.1cm} \hspace{0.1cm} \chi_{67} \hspace{0.1cm} \hspace{0.1cm} 1 \hspace{0.1cm} \hspace$ $\chi_{68} \ | \ 1 \ E(23)^{22} \ E(23)^{21} \ E(23)^{22} \ E(23)^{21} \ E(23)^{22} \ E(23)^{21} \ E(23)^{23} \ E(23)^{23} \ E(23)^{23} \ E(23)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{13} \ E(23)^{14} \ E(23)^{13} \ E(23)^{14} \ E(23)^{15} \ E(23)^{14} \ E(23)^{15} \$ $\left[\chi_{69}\right] \left[\chi_{69}\right] \left[\chi_{69}\right$

 $E(23)^{15} \\ E(23)^{15} \\ E(2$ $\frac{1}{1} + \frac{1}{1} + \frac{1}$

 $3 * E (23)^{13} \\ 3 * E (23)^{13} \\ 3 * E (23)^{13} \\ 3 * E (23)^{14} \\ 3 * E (23)^{15} \\ 3 * E (23)$ $3 * E (23)^{13} 3 * E (23)^{14} 3 * E (23)^{15} 3 * E (23)^{$ $3 * E (23)^{13} \\ 3 * E (23)^{13} \\ 3 * E (23)^{13} \\ 3 * E (23)^{14} \\ 3 * E (23)^{15} \\ 3 * E (23)$ $3 * E (23)^{13} \\ 3 * E (23)^{13} \\ 3 * E (23)^{13} \\ 3 * E (23)^{14} \\ 3 * E (23)^{15} \\ 3 * E (23)$

 $\chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0$

 $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1$

p-subgroups of G up to conjugacy in

Representatives $n_j \in N_i$

 $3 * E (23)^{10} 3 * E (23)^{12} 3 * E (23)^{13} 3 * E (23)^{13} 3 * E (23)^{14} 3 * E (23)^{15} 3 * E (23)^{$ $3 * E(23)^{13} \\ 3 * E(23)^{14} \\ 3 * E(23)^{15} \\ 3 *$

 $3 * E (23)^{13} \\ 3 * E (23)^{14} \\ 3 * E (23)^{15} \\ 3 * E (23)$ $3 * E(23)^{16} \ \ 3 * E(23)^{18} \ \ 3 * E(23)^{$ $3 * E (23)^{13} \\ 3 * E (23)^{14} \\ 3 * E (23)^{15} \\ 3 * E (23)$

 $9 \cdot \chi_{1} + 9 \cdot \chi_{2} + 9 \cdot \chi_{3} + 9 \cdot \chi_{1} + 9 \cdot \chi_{2} + 9 \cdot \chi_{3} + 9 \cdot \chi_{4} + 9 \cdot$

 $3 * E(23)^{13} 3 * E(23)^{14} 3 * E(23)^{15} 3 *$ $3 * E (23)^{10} \ \ 3 * E (23)^{10} \ \ \ 3 * E (23)^{10}$ $3 * E(23)^{15} 3 *$

 $0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_{45} + 0 \cdot \chi_{4$

 $3 * E(23)^{10} 3 *$ $3 * E(23)^{15} 3 *$ $3 * E (23)^{10} 3 * E (23)^{$ $3 * E (23)^{15} 3 * E (23)^{$ $3 * E (23)^{15} 3 * E (23)^{$ $3 * E (23)^{15} 3 * E (23)^{$ $\cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0$ $0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{15} + 0 \cdot \chi_{15} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot$ $\cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{27} + 0 \cdot \chi$ $0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} +$

 $\chi_{29} + \text{U} \cdot \chi_{30} + \text{U} \cdot \chi_{31} + \text{U} \cdot \chi_{31} + \text{U} \cdot \chi_{31} + \text{U} \cdot \chi_{32} + \text{U} \cdot \chi_{33} + \text{U} \cdot \chi_{34} + \text{U} \cdot \chi_{35} + \text{U} \cdot \chi_{36} + \text{U} \cdot \chi_{36} + \text{U} \cdot \chi_{36} + \text{U} \cdot \chi_{46} + \text{U$

 $\cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_{44} + 0 \cdot \chi_{45} + 0 \cdot \chi_{$

 $\underbrace{v \cdot \chi_1 + v \cdot \chi_2 + v \cdot \chi_3 + v \cdot \chi_4 + v \cdot \chi_3 + v \cdot \chi_4 + v \cdot \chi_5 + v \cdot \chi_6 + v \cdot \chi_{15} + v \cdot \chi_{16} +$ $P_1 = Group([()]) \cong 1$ $P_2 = Group([(1,2,3)]) \cong C3$

 $N_1 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26)]) \cong C69$ $g = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26)]) \cong C69$