The group G is isomorphic to the group labelled by [25, 1] in the Small Groups library. Ordinary character table of $G \cong C25$:

| 1a | <u>25a</u> | 25b | 25c | 25d | 5a | 25e | 25f | 25g | 25h | 5b | 25i | 25j | 25k | 25l | 5c | 25m | 25n | 25o | 25p | 5d | 25q | 25r | | 25s | 25t |
|---|---|---|--------------------------------------|--|-----------------------------------|--------------------------------------|---------------------------------------|--|--|---|--|------------------------------------|--|--|-----------------------------|--|--|---|--|------------------------|---|--------------------------------------|---|---|---|
| χ_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 |
| $ \chi_2 $ 1 | E(5) | $E(5)^{2}$ | $E(5)^{3}$ | $E(5)^4$ | 1 | E(5) | $E(5)^{2}$ | $E(5)^{3}$ | $E(5)^4$ | 1 | E(5) | $E(5)^{2}$ | $E(5)^{3}$ | $E(5)^4$ | 1 | E(5) | $E(5)^{2}$ | $E(5)^{3}$ | $E(5)^4$ | 1 | E(5) | $E(5)^{2}$ | i | $\Xi(5)^3$ | $E(5)^4$ |
| $ \chi_3 $ 1 | $E(5)^2$ | $E(5)^4$ | E(5) | $E(5)^{3}$ | 1 | $E(5)^{2}$ | $E(5)^4$ | E(5) | $E(5)^{3}$ | 1 | $E(5)^{2}$ | $E(5)^4$ | E(5) | $E(5)^{3}$ | 1 | $E(5)^{2}$ | $E(5)^4$ | E(5) | $E(5)^{3}$ | 1 | $E(5)^{2}$ | $E(5)^4$ | | E(5) | $E(5)^3$ |
| $ \chi_4 $ 1 | $E(5)^3$ | E(5) | $E(5)^4$ | $E(5)^{2}$ | 1 | $E(5)^{3}$ | E(5) | $E(5)^4$ | $E(5)^2$ | 1 | $E(5)^{3}$ | E(5) | $E(5)^4$ | $E(5)^{2}$ | 1 | $E(5)^{3}$ | E(5) | $E(5)^4$ | $E(5)^{2}$ | 1 | $E(5)^{3}$ | E(5) | i | $\Xi(5)^4$ | $E(5)^2$ |
| $ \chi_5 $ 1 | $E(5)^4$ | $E(5)^{3}$ | $E(5)^{2}$ | E(5) | 1 | $E(5)^{4}$ | $E(5)^{3}$ | $E(5)^{2}$ | E(5) | 1 | $E(5)^{4}$ | $E(5)^{3}$ | $E(5)^{2}$ | E(5) | 1 | $E(5)^{4}$ | $E(5)^{3}$ | $E(5)^{2}$ | E(5) | 1 | $E(5)^{4}$ | $E(5)^{3}$ | | $\Xi(5)^2$ | E(5) |
| χ_6 1 $-E(25)^6 - E(25)^{11}$ | $E(5)^{1} - E(25)^{16} - E(25)^{21} - E(25)^{21}$ | $(25)^7 - E(25)^{12} - E(25)^{17} - E(25)^{17}$ | $E(25)^{22}$ $E(25)^3$ | $E(25)^4$ | E(5) | $E(25)^{6}$ | $E(25)^{7}$ | $E(25)^{8}$ | $E(25)^{9}$ | $E(5)^{2}$ | $E(25)^{11}$ | $E(25)^{12}$ | $E(25)^{13}$ | $E(25)^{14}$ | $E(5)^{3}$ | $E(25)^{16}$ | $E(25)^{17}$ | $E(25)^{18}$ | $E(25)^{19}$ | $E(5)^{4}$ | $E(25)^{21}$ | $E(25)^{22}$ | $-E(25)^3 - E(25)$ | $E(25)^{13} - E(25)^{18} - E(25)^{18}$ | $E(25)^9 - E(25)^{14} - E(25)^{19}$ |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $E(25)^6$ | $E(25)^{12}$ | $E(25)^{18}$ | $-E(25)^4 - E(25)^9 - E(25)^4$ | $E(5)^{14} - E(25)^{19}$ $E(5)$ | $E(25)^{11}$ | $E(25)^{17}$ | $-E(25)^3 - E(25)^8 - E(25)^3$ | $E(25)^{18}$ $E(25)^4$ | $E(5)^2$ | $E(25)^{16}$ | $E(25)^{22}$ | $E(25)^{3}$ | $E(25)^{9}$ | $E(5)^3$ | $E(25)^{21}$ | $-E(25)^7 - E(25)^{12} - E(25)^{17} - E(25)^{17}$ | $E(25)^{22}$ $E(25)^{8}$ | $E(25)^{14}$ | $E(5)^4 - E(25)$ | $E(5)^6 - E(25)^{11} - E(25)^{16} - E(25)^{16}$ | $(25)^{21}$ $E(25)^7$ | É | $(25)^{13}$ | $E(25)^{19}$ |
| $\begin{vmatrix} \chi_8 \\ \chi_8 \end{vmatrix}$ 1 | $(25)^{11}$ | $E(25)^{22}$ | $E(25)^{8}$ | $E(25)^{19}$ | E(5) | $E(25)^{16}$ | $-E(25)^7 - E(25)^{12} - E$ | $E(25)^{17} - E(25)^{22}$ $E(25)^{13}$ | $-E(25)^4 - E(25)^9 - E(25)^9$ | $(25)^{14} - E(25)^{19} E(5)^{2}$ | $E(25)^{21}$ | $E(25)^{7}$ | $E(25)^{'18}$ | $E(25)^{4}$ | $E(5)^3$ $-E$ | $E(25)^6 - E(25)^{11} - E(25)^{16} - E(25)$ | $E(25)^{12}$ | $-E(25)^3 - E(25)^8 - E(25)^{13} -$ | $E(25)^{18}$ $E(25)^{9}$ | $E(5)^4$ | $E(25)^{6}$ | $E(25)^{17}$ | I | $(25)^3$ | $E(25)^{14}$ |
| $\begin{vmatrix} \chi_0 \\ \chi_0 \end{vmatrix} = 1$ $E($ | $(25)^{16}$ | $E(25)^{7}$ | $-E(25)^3 - E(25)^8 - E(25)^{13}$ | $-E(25)^{18}$ $E(25)^{14}$ | E(5) | $E(25)^{21}$ | $E(25)^{12}$ | $E(25)^3$ | $E(25)^{19}$ | $E(5)^2$ | $-E(25)^6 - E(25)^{11} - E(25)^{16} - E(25)^{16}$ | $E(25)^{17}$ | $E(25)^{8}$ | $-E(25)^4 - E(25)^9 - E(25)^{14} -$ | $-E(25)^{19} E(5)^3$ | $E(25)^{6}$ | $E(25)^{22}$ | $E(25)^{13}$ | $E(25)^4$ | $E(5)^4$ | $E(25)^{11}$ | $-E(25)^7 - E(25)^{12} - E(25)^{12}$ | $E(5)^{17} - E(25)^{22}$ | $(25)^{18}$ | $E(25)^9$ |
| $\begin{vmatrix} \chi_{10} \\ \chi_{10} \end{vmatrix}$ 1 | $(25)^{21}$ | $E(25)^{17}$ | $E(25)^{13}$ | $E(25)^9$ | E(5) | $-E(25)^6 - E(25)^{11} - E(25)^{11}$ | $E(25)^{21}$ $E(25)^{22}$ | $E(25)^{18}$ | $E(25)^{14}$ | $E(5)^2$ | $E(25)^6$ | $-E(25)^{7}-E(25)^{12}-E(25)^{12}$ | $E^{17} - E(25)^{22} - E(25)^3 - E(25)^8 - E(25)^{13} - $ | $(25)^{18}$ $E(25)^{19}$ | $E(5)^3$ | $E(25)^{11}$ | $E(25)^{7}$ | $E(25)^3$ | $-E(25)^4 - E(25)^9 - E(25)^{14} -$ | $E(25)^{19} E(5)^4$ | $E(25)^{16}$ | $E(25)^{12}$ | , , , , , | $(25)^8$ | $E(25)^{4}$ |
| $\begin{vmatrix} \chi_{11} \\ \chi_{11} \end{vmatrix} = 1 - E(25)^7 - E(25)^{15}$ | $\frac{1}{2} - E(25)^{17} - E(25)^{22}$ | $E(25)^4$ | $E(25)^{6}$ | $E(25)^{8}$ | $E(5)^{2}$ | $E(25)^{12}$ | $E(25)^{14}$ | $E(25)^{16}$ | $E(25)^{18}$ | $E(5)^4$ | $E(25)^{22}$ | $-E(25)^4 - E(25)^9 - E(25)$ | $E^{14} - E(25)^{19} - E(25)^6 - E(25)^{11} - E(25)^{16} - E(25)^{11}$ | $E(25)^{21}$ $E(25)^3$ | E(5) | $E(25)^{7}$ | $E(25)^9$ | $E(25)^{11}$ | $E(25)^{13}$ | $E(5)^3$ | $E(25)^{17}$ | $E(25)^{19}$ | E | $(25)^{21}$ $-E(25)^3$ | $E^3 - E(25)^8 - E(25)^{13} - E(25)^{18}$ |
| $\begin{vmatrix} \chi_{11} \\ \chi_{12} \end{vmatrix} = \begin{pmatrix} -(-3) \\ 1 \end{pmatrix}$ | $E(25)^7$ | $E(25)^{14}$ | $E(25)^{21}$ | $E(25)^3$ | $E(5)^2$ | $E(25)^{17}$ | $-E(25)^4 - E(25)^9 - E$ | $(25)^{14} - E(25)^{19}$ $E(25)^{6}$ | $E(25)^{13}$ | $E(5)^4$ | $-E(25)^7 - E(25)^{12} - E(25)^{17} - E(25)$ | $E(25)^9$ | $E(25)^{16}$ | $-E(25)^3 - E(25)^8 - E(25)^{13} -$ | $-E(25)^{18}$ $E(5)$ | $E(25)^{12}$ | $E(25)^{19}$ | $-E(25)^6 - E(25)^{11} - E(25)^{16} -$ | $-E(25)^{21}$ $E(25)^{8}$ | $E(5)^{3}$ | $E(25)^{22}$ | $E(25)^4$ | \overline{E} | $(25)^{11}$ | $E(25)^{18}$ |
| $\begin{vmatrix} \chi_{12} \\ \chi_{13} \end{vmatrix}$ 1 $E($ | $-E(25)^{12}$ $-E(25)^{12}$ | $(25)^4 - E(25)^9 - E(25)^{14} - E(25)^{14}$ | $E(25)^{19}$ $E(25)^{11}$ | $-E(25)^3 - E(25)^8 - E(25)^8$ | $5)^{13} - E(25)^{18} 	 E(5)^{2}$ | $E(25)^{22}$ | $E(25)^9$ | $E(25)^{21}$ | $E(25)^{8}$ | $E(5)^4$ | $E(25)^7$ | $E(25)^{19}$ | $E(25)^{6}$ | $E(25)^{18}$ | E(5) | $E(25)^{17}$ | $E(25)^4$ | $E(25)^{16}$ | $E(25)^3$ | $E(5)^3 - E(25)$ | $E(25)^{12} - E(25)^{12} - E(25)^{17} - E(25)^{17}$ | $E(25)^{22}$ $E(25)^{14}$ | $-E(25)^6 - E(25)^1$ | $1 - E(25)^{16} - E(25)^{21}$ | $E(25)^{13}$ |
| $\begin{vmatrix} \chi_{14} \\ \chi_{14} \end{vmatrix}$ 1 $E($ | $(25)^{17}$ | $E(25)^9$ | $-E(25)^6 - E(25)^{11} - E(25)^{16}$ | $-E(25)^{21}$ $E(25)^{18}$ | $E(5)^2$ | $-E(25)^7 - E(25)^{12} - E(25)^{12}$ | $5)^{17} - E(25)^{22}$ $E(25)^{19}$ | $E(25)^{11}$ | $E(25)^3$ | $E(5)^4$ | $E(25)^{12}$ | $E(25)^4$ | $E(25)^{21}$ | $E(25)^{13}$ | E(5) | $E(25)^{22}$ | $E(25)^{14}$ | $E(25)^{6}$ | $-E(25)^3 - E(25)^8 - E(25)^{13} -$ | $E(25)^{18}$ $E(5)^3$ | $E(25)^{7}$ | $-E(25)^4 - E(25)^9 - E(25)^9$ | $E^{114} - E(25)^{19}$ | $(25)^{16}$ | $E(25)^8$ |
| $\begin{vmatrix} \chi_{14} \\ \chi_{15} \end{vmatrix} = 1$ | $(25)^{22}$ | $E(25)^{19}$ | $E(25)^{16}$ | $E(25)^{13}$ | $E(5)^2$ | $E(25)^7$ | $E(25)^4$ | $-E(25)^6 - E(25)^{11} - E(25)$ | $-E(25)^{21}$ $-E(25)^3 - E(25)^8 - E(25)^8$ | $(25)^{13} - E(25)^{18} E(5)^{4}$ | $E(25)^{17}$ | $E(25)^{14}$ | $E(25)^{11}$ | $E(25)^8$ | E(5) - E(5) | $E(25)^7 - E(25)^{12} - E(25)^{17} - E(25)$ | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | $E(25)^{19}$ $E(25)^{21}$ | $E(25)^{18}$ | $E(5)^3$ | $E(25)^{12}$ | $E(25)^9$ |) | $(25)^6$ | $E(25)^3$ |
| $\begin{vmatrix} \lambda_{16} \\ \nu_{16} \end{vmatrix}$ 1 | $(25)^3$ | $E(25)^6$ | $E(25)^9$ | $E(25)^{12}$ | $E(5)^3$ | $E(25)^{18}$ | $E(25)^{21}$ | $-E(25)^4 - E(25)^9 - E(25)^3$ | $^{14} - E(25)^{19} - E(25)^7 - E(25)^{12} - E(25)^{12}$ | $(25)^{17} - E(25)^{22} 	 E(5)$ | $E(25)^8$ | $E(25)^{11}$ | $E(25)^{14}$ | $E(25)^{17}$ | $E(5)^4 - E(5)^4$ | $E(25)^3 - E(25)^8 - E(25)^{13} - E(25)^{13}$ | $E(25)^{18} - E(25)^{16} - E(25)^{11} - E(25)^{16} - E(25)^{16}$ | $E(25)^{21}$ $E(25)^4$ | $E(25)^{7}$ | $E(5)^2$ | $E(25)^{13}$ | $E(25)^{16}$ | F. | $(25)^{19}$ | $E(25)^{22}$ |
| $\begin{vmatrix} \lambda^{10} \\ \gamma_{17} \end{vmatrix}$ 1 | E(25) ⁸ | $E(25)^{16}$ | $-E(25)^4 - E(25)^9 - E(25)^{14}$ | $-E(25)^{19}$ $E(25)^7$ | $E(5)^3$ | $-E(25)^3 - E(25)^8 - E(25)^8$ | $E(25)^{13} = E(25)^{18}$ $E(25)^{6}$ | $E(25) = E(25)^{14}$ | $E(25)$ $E(25)$ $E(25)^{22}$ | E(5) $E(5)$ | $E(25)^{13}$ | $E(25)^{21}$ | $E(25)^4$ | $E(25)^{12}$ | $E(5)^4$ | $E(25)^3$ | $E(25)$ $E(25)^{11}$ | $E(25)^{19}$ | $-E(25)^7 - E(25)^{12} - E(25)^{17} -$ | $-E(25)^{22}$ $E(5)^2$ | $E(25)^{18}$ | $-E(25)^6 - E(25)^{11} - E(25)^6$ | $5)^{16} - E(25)^{21}$ | $(25)^9$ | $E(25)^{17}$ |
| $\begin{bmatrix} \lambda^{17} & 1 \\ \gamma_{10} & 1 \end{bmatrix}$ | $\frac{E(25)^{13}}{E(25)^{13}} = E(25)^{13}$ | $25)^6 - E(25)^{11} - E(25)^{16} - B$ | $E(25)^{21}$ $E(25)^{14}$ | $-E(25)^7 - E(25)^{12} - E(25)$ | $5)^{17} - E(25)^{22} - E(5)^3$ | $E(26)$ $E(26)$ $E(26)^3$ | $E(20)$ $E(25)^{10}$ | $\frac{E(25)}{E(25)^4}$ | $E(25)^{17}$ | E(5) | $E(25)^{18}$ | $E(25)^6$ | $E(25)^{19}$ | $E(25)^7$ | $E(5)^4$ | $E(25)^8$ | $E(25)^{21}$ | $E(25)^9$ | $E(25) = E(25) = E(25)^{22}$ | $E(5)^2 = E(25)^2$ | E(25) 5) ³ = $E(25)$ ⁸ = $E(25)$ ¹³ = $E(25)$ | $(25)^{18}$ $E(25)^{11}$ | $-E(25)^4 - E(25)$ | $\theta = E(25)^{14} = E(25)^{19}$ | $E(25)^{12}$ |
| $\begin{bmatrix} \lambda^{18} & 1 \\ \gamma_{10} & 1 \end{bmatrix}$ | $(25)^{18}$ | $E(25)^{11}$ | $E(25)^4$ | $E(29) = E(29) = E(29)$ $E(25)^{22}$ | $E(23) = E(3)$ $E(5)^3$ | $E(25)^8$ | $-E(25)^6 - E(25)^{11} - E(25)^6$ | $E(25)^{16} = E(25)^{21}$ $E(25)^{19}$ | $E(25)^{12}$ | E(5) | $E(25)^3 - E(25)^8 - E(25)^{13} - E(25)^1$ | E(25) $E(25)$ 16 | $E(25)^9$ | $-E(25)^7 - E(25)^{12} - E(25)^{17} -$ | $-E(25)^{22}$ $E(5)^4$ | $E(25)^{13}$ | $E(25)^6$ | $-E(25)^4 - E(25)^9 - E(25)^{14} -$ | $E(25)^{19}$ $E(25)^{17}$ | $E(5)^2$ | $E(25)^3$ | $E(25)$ $E(25)^{21}$ | E(20) E(20) | $(25)^{14}$ | $E(25)^7$ |
| $\begin{bmatrix} \chi_{19} & 1 & E_{10} \\ \chi_{22} & 1 & -F_{10} \\ \end{bmatrix}$ | $8 - F(25)^{13} - F(25)^{18}$ | $E(25)$ $E(25)^{21}$ | $E(29)$ $E(25)^{19}$ | $E(29)$ $E(25)^{17}$ | $E(5)^3$ | E(25) E(25)13 | $E(29) E(29) E(25)^{11}$ | $\frac{L(20)}{1}$ $\frac{L(20)}{F(25)^9}$ | $E(25)^7$ | E(5) | F(25) = E(25) = E(25) | $-F(25)^6 - F(25)^{11} - F(25)^6$ | $16 - F(25)^{21} - F(25)^4 - F(25)^9 - F(25)^{14} - F(25)^4$ | $(25)^{19}$ $E(25)$ $E(25)^{22}$ | $E(20) 	 E(5)^4$ | E(25) $E(25)18$ | E(25) $E(25)16$ | E(29) 	 E(29) 	 E(29) | $E(25)$ $E(25)^{12}$ | $E(5)^2$ | $E(25)^{8}$ | $E(25)^{6}$ | I. | $(25)^4 - F(25)^7$ | $-\frac{E(25)}{-F(25)^{12}} - \frac{F(25)^{17}}{-F(25)^{22}}$ |
| $\begin{bmatrix} \chi_{20} & 1 & L(20) & L(20) \\ \chi_{21} & 1 & E(20) & L(20) \end{bmatrix}$ | $E(25)^4$ | $E(25)^8$ | $E(25)^{12}$ | E(25) $E(25)16$ | $E(5)^4$ | $-E(25)^4 - E(25)^9 - E(25)^4$ | $1.14 - E(25)^{19}$ $E(25)^3$ | E(25) | E(25) | $E(5)^3$ | E(25) $E(25)$ $E(25)$ | E(25) $E(25)$ $E(25)$ $E(25)$ | E(25) $E(25)$ $E(25$ | $E(25)^{22}$ $E(25)^{6}$ | $E(5)^2$ | E(25) $E(25)14$ | E(25) $E(25)18$ | $E(25)^{22}$ | $-E(25)^6 - E(25)^{11} - E(25)^{16} -$ | E(0) | $E(25)^9$ | E(25) | F. | (25) (25) 17 | E(25) = E(25) = E(25) |
| $\begin{bmatrix} \chi_{21} & 1 \\ \chi_{11} & 1 \end{bmatrix}$ | 7(25)9 | E(25) E(25)18 | $E(25)^7 = E(25)^{12} = E(25)^{17}$ | E(25) E(25)22 $E(25)11$ | E(5) $E(5)4$ | -E(25) - E(25) - E(25)4 | E(29) = E(29) $E(29)$ | $\frac{E(29)}{F(25)22}$ | E(25) E(25)6 | E(5) | $\frac{D(29)}{3}$ $\frac{E(95)^4}{2}$ $\frac{E(95)^9}{2}$ $\frac{E(95)^{14}}{2}$ $\frac{E(95)^1}{2}$ | -E(29) - E(29) - E(29) | -E(23) - E(23) - E(23) - E(23) - E(35) | E(25) $E(25)11$ $E(25)16$ | E(0) E(0) | E(25) E(25)19 | E(25) E(25)3 | E(25) E(25)12 | -E(23) - E(23) - E(23) - E(23) | E(20) $E(5)$ | E(25) E(25)14 | $E(25)^3 = E(25)^8 = E(25)^8$ | \13 F(25)18 | (25)7 | E(25) E(25)16 |
| $\begin{bmatrix} \chi_{22} & 1 \\ \chi_{22} & 1 \end{bmatrix}$ | 7(25) 7(25)14 | E(25) $E(25)3$ | -E(20) - E(20) - E(20) | E(29) $E(29)$ | E(3) $E(5)4$ | E(25) E(25)9 | E(20) $F(25)3$ $F(25)8$ F | E(29) $(25)13 	 E(25)18 	 E(25)12$ | $E(25)^6 = E(25)^{11} = E(25)^6$ | $E(0)^{\alpha}$ $E(1)^{\alpha}$ $E(1)^{\alpha}$ | E(20) - E(20) - E(20) - E(20) | E(25) ¹ E(25)18 | E(25) $F(25)$ 7 | -E(25) - E(25) - E(25) - E(25) | - E(20) = E(0) E(5)2 = 1 | $E(20)$ $E(25)^4 = E(25)^9 = E(25)^{14} = E(25)^3$ | 19 E(25)13 | $E(20)$ $E(25)^7 = E(25)^{12} = E(25)^{17}$ | E(25)22 $E(25)16$ | E(0) $E(5)$ | E(25) E(25)19 | $-E(20) - E(20)^{2} - E(20)^{3}$ | $E_{ij} = E(20)$ | (25)22 | E(25) E(25)11 |
| $\begin{bmatrix} \chi_{23} & 1 \\ \chi & 1 \end{bmatrix}$ | (25)19 | $E(20)^{\circ}$ $E(25)13$ | E(25) | $E(25)^{\circ}$ $E(25)^{\circ}$ | E(0) E(16 E(25)21 E(5)4 | $E(29)^{4}$ $E(25)14$ | $-E(25)^{2}-E(25)^{2}-E$ | $\frac{(20) - E(20)}{E(25)^7} = \frac{E(20)}{E(25)^7}$ | $-E(25)^2 - E(25)^2 - E(15)^2$ | E(5) = E(20) = E(5) | E(25) F(25)9 | E(25) | $E(25)^{\circ}$ $E(25)22$ | E(25) E(25)16 | E(5) = -1 | E(20) - E(20) - E(20) - E(20) | $E(25)^{-1}$ $E(25)^{3}$ $E(25)^{8}$ $E(25)^{13}$ $E(25)^{13}$ | -E(29) - E(29) - E(29) - E(29) | E(20) $E(25)$ 11 | E(5) $E(5)$ | E(20) (5)4 E(25)9 E(25)14 E(| $E(29)^3$ $E(25)18$ | E E | (25) (25)12 | E(25)6 |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | (20) 9 $E(25)14$ $E(25)19$ $E(6)$ | $E(2\theta)^{-1}$ (at)3 $E(3t)8$ $E(3t)13$ E | E(25)18 $E(25)$ 22 | $-E(20)^{\circ} - E(20)^{\circ} - E(20)^{\circ}$ | $E(5) = E(20)^{-1} E(5)^{-1}$ | $E(20)^{-1}$ $E(95)19$ | $E(20)^{\circ}$ | $-E(29)^{\circ} - E(29)^{\circ} - E(29)$ | $E(20) = E(20)$ $E(20)^{16}$ | E(0) | $E(20)^{\circ}$ $E(20)^{\circ}$ | $E(20)^{\circ}$ $E(20)13$ | $E(25)^{-1}$ | $E(20)^{-1}$ $E(211)$ | $E(3)^{2}$ $E(\xi)^{2}$ | E(20) - E(25)9 | $-E(23)^{2} - E(23)^{2} - E(23)^{2} - E$ | $E(20)^{-1}$ $E(20)^{-1}$ | $E(25)^{-1}$ $E(95)6$ | E(3) = -E(2i) | $E(25)^2 - E(25)^{-1} - E(45)^4$ | $E(20)^{-1}$ $E(20)^{-2}$ | $E(\mathfrak{g}\mathfrak{t})^7 = E(\mathfrak{g}\mathfrak{t})^1$ | (20) (20) (20) (20) (20) (20) | $E(20)^{\circ}$ $E(95)11 E(95)16 E(95)21$ |
| $+\chi_{25}+1$ $-E(25)^{2}-E(25)^{3}$ | $-E(20)^{-1}-E(20)^{-1}$ $-E(20)^{-1}$ | $(20)^{2} - E(20)^{2} - E(20)^{2} - E$ | $E(25)^{-2}$ | $E(25)^{-1}$ | $E(5)^{2}$ | $E(25)^{10}$ | $E(25)^{25}$ | $E(25)^{-1}$ | $E(25)^{20}$ | $E(5)^{\circ}$ | $E(20)^{-1}$ | $E(25)^{23}$ | $E(20)^{-2}$ | $E(20)^{-1}$ | $E(\mathfrak{d})^{2}$ | $E(20)^{\circ}$ | E(20) | E(20) | $E(20)^{\circ}$ | E(0) | $E(20)^{-}$ | $E(25)^{\circ}$ | -E(25) - E(25) | $-E(20)^{-1}-E(20)^{-2}-E(20)^{-1}$ | $-E(20)^{-1}-E(20)^{-2}-E(20)^{-2}$ |

| Trivial source character table of $G \cong C25$ at $p = 5$: | | | |
|--|------------|------------|-------|
| Normalisers N_i | N_1 | N_2 | N_3 |
| p-subgroups of G up to conjugacy in G | P_1 | P_2 | P_3 |
| Representatives $n_j \in N_i$ | 1 <i>a</i> | 1 <i>a</i> | 1a |
| $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_{19} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{25} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot $ | 25 | 0 | 0 |
| $1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot $ | 5 | 5 | 0 |
| $\boxed{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_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 $ | 1 | 1 | 1 |

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

 $P_2 = Group([(1,6,11,16,21)(2,7,12,17,22)(3,8,13,18,23)(4,9,14,19,24)(5,10,15,20,25)]) \cong C5$

 $P_3 = Group([(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25), (1, 6, 11, 16, 21)(2, 7, 12, 17, 22)(3, 8, 13, 18, 23)(4, 9, 14, 19, 24)(5, 10, 15, 20, 25)]) \cong \mathbf{C}25$

 $N_1 = Group([(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25)]) \cong C25$

 $N_2 = Group([(1,6,11,16,21)(2,7,12,17,22)(3,8,13,18,23)(4,9,14,19,24)(5,10,15,20,25),(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25)]) \cong C25$ $N_3 = Group([(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25),(1,6,11,16,21)(2,7,12,17,22)(3,8,13,18,23)(4,9,14,19,24)(5,10,15,20,25)]) \cong C25$