

Ordinary character table of $G \cong (\text{C3} \times \text{C3}) : \text{Q8}$:

	1a	4a	2a	3a	12a	6a	12b	4b	4c	3b	12c	6b	12d	3c	12e	6c	12f	3d	12g	6d	12h
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	1	1	-1	1	-1	-1	1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1
χ_3	1	-1	1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1	-1
χ_4	1	1	1	1	1	1	1	-1	-1	1	1	1	1	1	1	1	1	1	1	1	1
χ_5	2	-2	2	2	-2	2	-2	0	0	-1	1	-1	1	-1	1	-1	1	-1	1	-1	1
χ_6	2	2	2	2	2	2	2	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
χ_7	2	0	-2	2	0	-2	0	0	0	2	0	-2	0	2	0	-2	0	2	0	-2	0
χ_8	2	-2	2	-1	1	-1	1	0	0	2	-2	2	-2	-1	1	-1	1	-1	1	-1	1
χ_9	2	2	2	-1	-1	-1	-1	0	0	2	2	2	2	-1	-1	-1	-1	-1	-1	-1	-1
χ_{10}	2	-2	2	-1	1	-1	1	0	0	-1	1	-1	1	-1	1	-1	1	2	-2	2	-2
χ_{11}	2	-2	2	-1	1	-1	1	0	0	-1	1	-1	1	2	-2	2	-2	-1	1	-1	1
χ_{12}	2	2	2	-1	-1	-1	-1	0	0	-1	-1	-1	-1	-1	-1	-1	-1	2	2	2	2
χ_{13}	2	2	2	-1	-1	-1	-1	0	0	-1	-1	-1	-1	2	2	2	-1	-1	-1	-1	-1
χ_{14}	2	0	-2	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	0	0	2	0	-2	0	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$
χ_{15}	2	0	-2	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	0	0	2	0	-2	0	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$
χ_{16}	2	0	-2	2	0	-2	0	0	0	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$
χ_{17}	2	0	-2	2	0	-2	0	0	0	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$
χ_{18}	2	0	-2	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	0	0	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	2	0	-2	0
χ_{19}	2	0	-2	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	0	0	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	2	0	-2	0
χ_{20}	2	0	-2	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	0	0	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	2	0	-2	0	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$
χ_{21}	2	0	-2	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$	0	0	-1	$-E(12)^7 + E(12)^{11}$	1	$E(12)^7 - E(12)^{11}$	2	0	-2	0	-1	$E(12)^7 - E(12)^{11}$	1	$-E(12)^7 + E(12)^{11}$

Normalisers N_i

[illegible]
$$\begin{aligned} P_1 &= Group([()]) \cong 1 \\ P_2 &= Group([(1, 3, 2)]) \cong C3 \\ P_3 &= Group([(4, 6, 5)]) \cong C3 \\ P_4 &= Group([(1, 3, 2)(4, 6, 5)]) \cong C3 \\ P_5 &= Group([(1, 3, 2)(4, 5, 6)]) \cong C3 \\ P_6 &= Group([(1, 3, 2), (4, 6, 5)]) \cong C3 \times C3 \end{aligned}$$
$$\begin{aligned}
N_1 &= \text{Group}([(2, 3)(5, 6)(7, 8, 10, 12)(9, 14, 13, 11), (7, 9, 10, 13)(8, 11, 12, 14), (7, 10)(8, 12)(9, 13)(11, 14), (1, 2, 3), (4, 5, 6)]) \cong (C_3 \times C_3) : Q_8 \\
N_2 &= \text{Group}([(2, 3)(5, 6)(7, 8, 10, 12)(9, 14, 13, 11), (7, 9, 10, 13)(8, 11, 12, 14), (7, 10)(8, 12)(9, 13)(11, 14), (1, 2, 3), (4, 5, 6)]) \cong (C_3 \times C_3) : Q_8 \\
N_3 &= \text{Group}([(2, 3)(5, 6)(7, 8, 10, 12)(9, 14, 13, 11), (7, 9, 10, 13)(8, 11, 12, 14), (7, 10)(8, 12)(9, 13)(11, 14), (1, 2, 3), (4, 5, 6)]) \cong (C_3 \times C_3) : Q_8 \\
N_4 &= \text{Group}([(2, 3)(5, 6)(7, 8, 10, 12)(9, 14, 13, 11), (7, 9, 10, 13)(8, 11, 12, 14), (7, 10)(8, 12)(9, 13)(11, 14), (1, 2, 3), (4, 5, 6)]) \cong (C_3 \times C_3) : Q_8 \\
N_5 &= \text{Group}([(2, 3)(5, 6)(7, 8, 10, 12)(9, 14, 13, 11), (7, 9, 10, 13)(8, 11, 12, 14), (7, 10)(8, 12)(9, 13)(11, 14), (1, 2, 3), (4, 5, 6)]) \cong (C_3 \times C_3) : Q_8 \\
N_6 &= \text{Group}([(2, 3)(5, 6)(7, 8, 10, 12)(9, 14, 13, 11), (7, 9, 10, 13)(8, 11, 12, 14), (7, 10)(8, 12)(9, 13)(11, 14), (1, 2, 3), (4, 5, 6)]) \cong (C_3 \times C_3) : Q_8
\end{aligned}$$