

The group G is isomorphic to the group labelled by [24, 14] in the Small Groups library.

Ordinary character table of $G \cong C_2 \times C_2 \times S_3$:

	$1a$	$2a$	$2b$	$2c$	$3a$	$2d$	$2e$	$2f$	$6a$	$6b$	$2g$	$6c$
χ_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
χ_3	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
χ_5	1	-1	1	1	1	-1	-1	1	1	1	-1	1
χ_6	1	1	-1	-1	1	-1	-1	1	-1	-1	1	1
χ_7	1	1	-1	1	1	-1	1	-1	-1	1	-1	-1
χ_8	1	1	1	-1	1	1	-1	-1	1	-1	-1	-1
χ_9	2	0	-2	-2	-1	0	0	2	1	1	0	-1
χ_{10}	2	0	-2	2	-1	0	0	-2	1	-1	0	1
χ_{11}	2	0	2	-2	-1	0	0	-2	-1	1	0	1
χ_{12}	2	0	2	2	-1	0	0	2	-1	-1	0	-1

Trivial source character table of $G \cong C_2 \times C_2 \times S_3$ at $p = 2$:

Normalisers N_i	N_1		N_2		N_3		N_4		N_5	N_6	N_7	N_8	N_9	N_{10}	N_{11}	N_{12}		N_{13}	N_{14}	N_{15}	N_{16}
p -subgroups of G up to conjugacy in G	P_1		P_2		P_3		P_4		P_5	P_6	P_7	P_8	P_9	P_{10}	P_{11}	P_{12}		P_{13}	P_{14}	P_{15}	P_{16}
Representatives $n_j \in N_i$	1a	3a	1a	3a	1a	3a	1a	3a	1a	1a	1a	1a	1a	1a	1a	1a	3a	1a	1a	1a	1a
$1 \cdot x_1 + 1 \cdot x_2 + 1 \cdot x_3 + 1 \cdot x_4 + 1 \cdot x_5 + 1 \cdot x_6 + 1 \cdot x_7 + 1 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 1 \cdot x_9 + 1 \cdot x_{10} + 1 \cdot x_{11} + 1 \cdot x_{12}$	8	-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 1 \cdot x_3 + 0 \cdot x_4 + 1 \cdot x_5 + 0 \cdot x_6 + 1 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 1 \cdot x_{10} + 0 \cdot x_{11} + 1 \cdot x_{12}$	4	-2	4	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 1 \cdot x_4 + 1 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 1 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 1 \cdot x_{11} + 1 \cdot x_{12}$	4	-2	0	0	4	-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 1 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 1 \cdot x_5 + 1 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
$0 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 1 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 1 \cdot x_{12}$	4	-2	0	0	0	0	4	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 1 \cdot x_6 + 1 \cdot x_7 + 1 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 1 \cdot x_2 + 0 \cdot x_3 + 1 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 1 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 1 \cdot x_2 + 1 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 1 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 1 \cdot x_3 + 1 \cdot x_4 + 0 \cdot x_5 + 1 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	4	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 1 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	0	0	2	2	0	0	2	0	2	0	2	0	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 1 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	2	2	0	0	0	0	2	2	0	0	0	2	0	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 1 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	0	0	0	0	2	2	2	0	0	2	0	0	2	0	0	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 1 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	2	2	0	0	0	0
$0 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 1 \cdot x_{12}$	2	-1	2	-1	2	-1	2	-1	0	0	0	0	0	0	0	2	-1	0	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 1 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	0	0	2	2	0	0	0	2	0	2	0	0	0	0	0	2	0	0	0
$1 \cdot x_1 + 0 \cdot x_2 + 1 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	2	2	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	0	0
$1 \cdot x_1 + 1 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	2	2	0	0	0	0	2	2	0	2	2	0	0	0	0	0	0	0	0	2	0
$1 \cdot x_1 + 0 \cdot x_2 + 0 \cdot x_3 + 0 \cdot x_4 + 0 \cdot x_5 + 0 \cdot x_6 + 0 \cdot x_7 + 0 \cdot x_8 + 0 \cdot x_9 + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = \text{Group}([(())]) \cong 1$
 $P_2 = \text{Group}([(1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24)]) \cong C_2$
 $P_3 = \text{Group}([(1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24)]) \cong C_2$
 $P_4 = \text{Group}([(1, 9)(2, 13)(3, 4)(5, 17)(6, 7)(8, 20)(10, 11)(12, 23)(14, 15)(16, 24)(18, 19)(21, 22)]) \cong C_2$
 $P_5 = \text{Group}([(1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23)]) \cong C_2$
 $P_6 = \text{Group}([(1, 7)(2, 4)(3, 13)(5, 22)(6, 9)(8, 19)(10, 24)(11, 16)(12, 15)(14, 23)(17, 21)(18, 20)]) \cong C_2$
 $P_7 = \text{Group}([(1, 6)(2, 3)(4, 13)(5, 21)(7, 9)(8, 18)(10, 16)(11, 24)(12, 14)(15, 23)(17, 22)(19, 20)]) \cong C_2$
 $P_8 = \text{Group}([(1, 13)(2, 9)(3, 7)(4, 6)(5, 24)(8, 23)(10, 22)(11, 21)(12, 20)(14, 19)(15, 18)(16, 17)]) \cong C_2$
 $P_9 = \text{Group}([(1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24), (1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23)]) \cong C_2 \times C_2$
 $P_{10} = \text{Group}([(1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24), (1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23)]) \cong C_2 \times C_2$
 $P_{11} = \text{Group}([(1, 9)(2, 13)(3, 4)(5, 17)(6, 7)(8, 20)(10, 11)(12, 23)(14, 15)(16, 24)(18, 19)(21, 22), (1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23)]) \cong C_2 \times C_2$
 $P_{12} = \text{Group}([(1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24), (1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24)]) \cong C_2 \times C_2$
 $P_{13} = \text{Group}([(1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24), (1, 7)(2, 4)(3, 13)(5, 22)(6, 9)(8, 19)(10, 24)(11, 16)(12, 15)(14, 23)(17, 21)(18, 20)]) \cong C_2 \times C_2$
 $P_{14} = \text{Group}([(1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24), (1, 6)(2, 3)(4, 13)(5, 21)(7, 9)(8, 18)(10, 16)(11, 24)(12, 14)(15, 23)(17, 22)(19, 20)]) \cong C_2 \times C_2$
 $P_{15} = \text{Group}([(1, 9)(2, 13)(3, 4)(5, 17)(6, 7)(8, 20)(10, 11)(12, 23)(14, 15)(16, 24)(18, 19)(21, 22), (1, 7)(2, 4)(3, 13)(5, 22)(6, 9)(8, 19)(10, 24)(11, 16)(12, 15)(14, 23)(17, 21)(18, 20)]) \cong C_2 \times C_2$
 $P_{16} = \text{Group}([(1, 4)(2, 7)(3, 9)(5, 11)(6, 13)(8, 15)(10, 17)(12, 19)(14, 20)(16, 22)(18, 23)(21, 24), (1, 3)(2, 6)(4, 9)(5, 10)(7, 13)(8, 14)(11, 17)(12, 18)(15, 20)(16, 21)(19, 23)(22, 24), (1, 2)(3, 6)(4, 7)(5, 16)(8, 12)(9, 13)(10, 21)(11, 22)(14, 18)(15, 19)(17, 24)(20, 23)]) \cong C_2 \times C_2 \times C_2$

[illegible]