The group $G$ is isomorphic to the group labelled by [ "could not identify G" ] in the Small Groups library.
Ordinary character table of $G \cong$ M11:

| | $1a$ | $2a$ | $3a$ | $4a$ | $5a$ | $6a$ | $8a$ | $8b$ | $11a$ | $11b$ |
|---|---|---|---|---|---|---|---|---|---|---|
| $\chi_1$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| $\chi_2$ | 10 | 2 | 1 | 2 | 0 | −1 | 0 | 0 | −1 | −1 |
| $\chi_3$ | 10 | −2 | 1 | 0 | 0 | 1 | $E(8)+E(8)^3$ | $-E(8)-E(8)^3$ | −1 | −1 |
| $\chi_4$ | 10 | −2 | 1 | 0 | 0 | 1 | $-E(8)-E(8)^3$ | $E(8)+E(8)^3$ | −1 | −1 |
| $\chi_5$ | 11 | 3 | 2 | −1 | 1 | 0 | −1 | −1 | 0 | 0 |
| $\chi_6$ | 16 | 0 | −2 | 0 | 1 | 0 | 0 | 0 | $E(11)+E(11)^3+E(11)^4+E(11)^5+E(11)^9$ | $E(11)^2+E(11)^6+E(11)^7+E(11)^8+E(11)^{10}$ |
| $\chi_7$ | 16 | 0 | −2 | 0 | 1 | 0 | 0 | 0 | $E(11)^2+E(11)^6+E(11)^7+E(11)^8+E(11)^{10}$ | $E(11)+E(11)^3+E(11)^4+E(11)^5+E(11)^9$ |
| $\chi_8$ | 44 | 4 | −1 | 0 | −1 | 1 | 0 | 0 | 0 | 0 |
| $\chi_9$ | 45 | −3 | 0 | 1 | 0 | 0 | −1 | −1 | 1 | 1 |
| $\chi_{10}$ | 55 | −1 | 1 | −1 | 0 | −1 | 1 | 1 | 0 | 0 |

Trivial source character table of G $\cong$ M11 at p = 2

| *Normalisers* $N_i$ | $N_1$ | | | | | $N_2$ | | $N_3$ | $N_4$ | | $N_5$ | $N_6$ | $N_7$ | | $N_8$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $p-$ *subgroups of* $G$ *up to conjugacy in* $G$ | $P_1$ | | | | | $P_2$ | | $P_3$ | $P_4$ | | $P_5$ | $P_6$ | $P_7$ | | $P_8$ |
| *Representatives* $n_j \in N_i$ | $1a$ | $3a$ | $5a$ | $11a$ | $11b$ | $1a$ | $3a$ | $1a$ | $1a$ | $3a$ | $1a$ | $1a$ | $1a$ | $3a$ | $1a$ |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}$ | 112 | 4 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+1\cdot\chi_2+1\cdot\chi_3+1\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}$ | 96 | 6 | 1 | −3 | −3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+1\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 16 | −2 | 1 | $E(11)^2+E(11)^6+E(11)^7+E(11)^8+E(11)^{10}$ | $E(11)+E(11)^3+E(11)^4+E(11)^5+E(11)^9$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+1\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 16 | −2 | 1 | $E(11)+E(11)^3+E(11)^4+E(11)^5+E(11)^9$ | $E(11)^2+E(11)^6+E(11)^7+E(11)^8+E(11)^{10}$ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}$ | 144 | 0 | −1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+2\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}$ | 200 | 2 | 0 | 2 | 2 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}$ | 120 | 3 | 0 | −1 | −1 | 8 | −1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+2\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+2\cdot\chi_8+1\cdot\chi_9+1\cdot\chi_{10}$ | 220 | 4 | 0 | 0 | 0 | 12 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 12 | 3 | 2 | 1 | 1 | 4 | 1 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| $0\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 44 | −1 | −1 | 0 | 0 | 4 | 1 | 0 | 2 | −1 | 0 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+0\cdot\chi_9+1\cdot\chi_{10}$ | 110 | 2 | 0 | 0 | 0 | 6 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| $1\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+1\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 22 | 4 | 2 | 0 | 0 | 6 | 0 | 2 | 2 | 2 | 0 | 2 | 0 | 0 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+1\cdot\chi_8+1\cdot\chi_9+0\cdot\chi_{10}$ | 90 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| $0\cdot\chi_1+1\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 10 | 1 | 0 | −1 | −1 | 2 | −1 | 2 | 0 | 0 | 0 | 0 | 2 | −1 | 0 |
| $1\cdot\chi_1+0\cdot\chi_2+0\cdot\chi_3+0\cdot\chi_4+0\cdot\chi_5+0\cdot\chi_6+0\cdot\chi_7+0\cdot\chi_8+0\cdot\chi_9+0\cdot\chi_{10}$ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(2,9)(3,7)(5,11)(6,10)]) \cong$ C2
$P_3 = Group([(2,9)(3,7)(5,11)(6,10),(2,7,9,3)(5,6,11,10)]) \cong$ C4
$P_4 = Group([(2,9)(3,7)(5,11)(6,10),(3,7)(4,8)(5,10)(6,11)]) \cong$ C2 x C2
$P_5 = Group([(2,9)(3,7)(5,11)(6,10),(2,5,3,10,9,11,7,6)(4,8),(2,7,9,3)(5,6,11,10)]) \cong$ C8
$P_6 = Group([(2,9)(3,7)(5,11)(6,10),(3,7)(4,8)(5,10)(6,11),(2,7,9,3)(5,6,11,10)]) \cong$ D8
$P_7 = Group([(2,5,9,11)(3,6,7,10),(2,9)(3,7)(5,11)(6,10),(2,7,9,3)(5,6,11,10)]) \cong$ Q8
$P_8 = Group([(2,5,9,11)(3,6,7,10),(2,9)(3,7)(5,11)(6,10),(2,7)(3,9)(4,8)(6,10),(2,7,9,3)(5,6,11,10)]) \cong$ QD16

$N_1 = Group([(1,4,3,8)(2,5,6,9),(2,10)(4,11)(5,7)(8,9)]) \cong$ M11
$N_2 = Group([(2,9)(3,7)(5,11)(6,10),(1,4)(3,5)(6,10)(7,11),(2,11,9,5)(3,10,7,6),(3,7)(4,8)(5,10)(6,11)]) \cong$ GL(2,3)
$N_3 = Group([(2,9)(3,7)(5,11)(6,10),(2,11,9,5)(3,10,7,6),(3,7)(4,8)(5,10)(6,11),(2,7,9,3)(5,6,11,10)]) \cong$ QD16
$N_4 = Group([(2,8)(3,7)(4,9)(10,11),(2,9)(3,7)(5,11)(6,10),(2,7)(3,9)(4,8)(6,10),(3,7)(4,8)(5,10)(6,11)]) \cong$ S4
$N_5 = Group([(2,9)(3,7)(5,11)(6,10),(2,5,3,10,9,11,7,6)(4,8),(3,7)(4,8)(5,10)(6,11),(2,7,9,3)(5,6,11,10)]) \cong$ QD16
$N_6 = Group([(2,9)(3,7)(5,11)(6,10),(2,11,9,5)(3,10,7,6),(3,7)(4,8)(5,10)(6,11),(2,7,9,3)(5,6,11,10)]) \cong$ QD16
$N_7 = Group([(2,5,9,11)(3,6,7,10),(1,8,4)(3,10,11)(5,7,6),(2,9)(3,7)(5,11)(6,10),(3,7)(4,8)(5,10)(6,11),(2,7,9,3)(5,6,11,10)]) \cong$ GL(2,3)
$N_8 = Group([(2,5,9,11)(3,6,7,10),(2,9)(3,7)(5,11)(6,10),(2,7)(3,9)(4,8)(6,10),(3,7)(4,8)(5,10)(6,11),(2,7,9,3)(5,6,11,10)]) \cong$ QD16