

The group G is isomorphic to the simple Mathieu group M11.
 Ordinary character table of $G \cong \text{M11}$:

	1 <i>a</i>	2 <i>a</i>	3 <i>a</i>	4 <i>a</i>	5 <i>a</i>	6 <i>a</i>	8 <i>a</i>		8 <i>b</i>	11 <i>a</i>		11 <i>b</i>	
χ_1	1	1	1	1	1	1	1		1	1		1	
χ_2	10	2	1	2	0	−1	0		0	−1		−1	
χ_3	10	−2	1	0	0	1	$E(8) + E(8)^{\frown} 3$		$-E(8) - E(8)^{\frown} 3$	−1		−1	
χ_4	10	−2	1	0	0	1	$-E(8) - E(8)^{\frown} 3$		$E(8) + E(8)^{\frown} 3$	−1		−1	
χ_5	11	3	2	−1	1	0	−1		−1	0		0	
χ_6	16	0	−2	0	1	0	0		0	$E(11) + E(11)^{\frown} 3 + E(11)^{\frown} 4 + E(11)^{\frown} 5 + E(11)^{\frown} 9$		$E(11)^{\frown} 2 + E(11)^{\frown} 6 + E(11)^{\frown} 7 + E(11)^{\frown} 8 + E(11)^{\frown} 10$	
χ_7	16	0	−2	0	1	0	0		0	$E(11)^{\frown} 2 + E(11)^{\frown} 6 + E(11)^{\frown} 7 + E(11)^{\frown} 8 + E(11)^{\frown} 10$		$E(11) + E(11)^{\frown} 3 + E(11)^{\frown} 4 + E(11)^{\frown} 5 + E(11)^{\frown} 9$	
χ_8	44	4	−1	0	−1	1	0		0	0		0	
χ_9	45	−3	0	1	0	0	−1		−1	1		1	
χ_{10}	55	−1	1	−1	0	−1	1		1	0		0	

Trivial source character table of $G \cong \text{M11}$ at $p = 11$

Normalisers N_i	N_1									N_2				
p – subgroups of G up to conjugacy in G	P_1									P_2				
Representatives $n_j \in N_i$	1a	2a	3a	4a	5a	6a	8a		8b	1a	5a	5a	5a	5a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10}$	11	3	2	3	1	0	1		1	0	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	55	−1	1	3	0	−1	−1		−1	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	55	−5	1	1	0	1	$-1 + E(8) + E(8)^{\frown} 3$		$-1 - E(8) - E(8)^{\frown} 3$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	55	−5	1	1	0	1	$-1 - E(8) - E(8)^{\frown} 3$		$-1 + E(8) + E(8)^{\frown} 3$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10}$	11	3	2	−1	1	0	−1		−1	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	77	−3	−4	1	2	0	−1		−1	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	4	−1	0	−1	1	0		0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10}$	55	−1	1	−1	0	−1	1		1	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10}$	1	1	1	1	1	1	1		1	1	1	1	1	1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	45	−3	0	1	0	0	−1		−1	1	$E(5)^{\frown} 3$	$E(5)$	$E(5)^{\frown} 4$	$E(5)^{\frown} 2$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	45	−3	0	1	0	0	−1		−1	1	$E(5)^{\frown} 2$	$E(5)^{\frown} 4$	$E(5)$	$E(5)^{\frown} 3$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	45	−3	0	1	0	0	−1		−1	1	$E(5)^{\frown} 4$	$E(5)^{\frown} 3$	$E(5)^{\frown} 2$	$E(5)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	45	−3	0	1	0	0	−1		−1	1	$E(5)$	$E(5)^{\frown} 2$	$E(5)^{\frown} 3$	$E(5)^{\frown} 4$

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

$$P_2 = Group([(1, 8, 11, 10, 6, 9, 3, 4, 5, 2, 7)]) \cong \text{C11}$$

$$N_1 = Group([(1, 4, 3, 8)(2, 5, 6, 9), (2, 10)(4, 11)(5, 7)(8, 9)]) \cong \text{M11}$$

$$N_2 = Group([(2, 10, 8, 6, 9)(3, 11, 5, 7, 4), (1, 8, 11, 10, 6, 9, 3, 4, 5, 2, 7)]) \cong \text{C11} : \text{C5}$$