

The group  $G$  is isomorphic to the group labelled by [ 1320, 133 ] in the Small Groups library.

Ordinary character table of  $G \cong \text{PSL}(2,11) : \text{C2}$ :

	1a	2a	3a	5a	5b	6a	11a	2b	4a	10a	10b	12a	12b
$\chi_1$	1	1	1	1	1	1	1	1	1	1	1	1	1
$\chi_2$	1	1	1	1	1	1	1	-1	-1	-1	-1	-1	-1
$\chi_3$	10	2	-2	0	0	2	-1	0	0	0	0	0	0
$\chi_4$	10	-2	1	0	0	1	-1	0	2	0	0	-1	-1
$\chi_5$	10	-2	1	0	0	1	-1	0	-2	0	0	1	1
$\chi_6$	10	2	1	0	0	-1	-1	0	0	0	0	$-E(12)^7 + E(12)^{11}$	$E(12)^7 - E(12)^{11}$
$\chi_7$	10	2	1	0	0	-1	-1	0	0	0	0	$E(12)^7 - E(12)^{11}$	$-E(12)^7 + E(12)^{11}$
$\chi_8$	11	-1	-1	1	1	-1	0	1	-1	1	1	-1	-1
$\chi_9$	11	-1	-1	1	1	-1	0	-1	1	-1	-1	1	1
$\chi_{10}$	12	0	0	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	1	2	0	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	0
$\chi_{11}$	12	0	0	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	1	-2	0	$-E(5) - E(5)^4$	$-E(5)^2 - E(5)^3$	0	0
$\chi_{12}$	12	0	0	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	1	2	0	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	0
$\chi_{13}$	12	0	0	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	1	-2	0	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^4$	0	0

Trivial source character table of  $G \cong \text{PSL}(2,11) : \text{C2}$  at  $p = 2$ :

Normalisers $N_i$	$N_1$					$N_2$		$N_3$			$N_4$	$N_5$	$N_6$	$N_7$	
$p$ -subgroups of $G$ up to conjugacy in $G$	$P_1$					$P_2$		$P_3$			$P_4$	$P_5$	$P_6$	$P_7$	
Representatives $n_j \in N_i$	1a	5b	5a	3a	11a	1a	3a	1a	5b	5a	1a	3a	1a	3a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	24	4	4	0	2	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	32	2	2	-4	-1	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	40	0	0	4	-4	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13}$	24	$2 * E(5) + 2 * E(5)^4$	$2 * E(5)^2 + 2 * E(5)^3$	0	2	0	0	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	24	$2 * E(5)^2 + 2 * E(5)^3$	$2 * E(5) + 2 * E(5)^4$	0	2	0	0	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 2 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	44	4	4	-4	0	4	4	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	20	0	0	2	-2	4	-2	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	12	2	2	0	1	0	0	2	2	2	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	12	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	1	0	0	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13}$	12	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	1	0	0	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	22	2	2	-2	0	2	2	0	0	0	2	2	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	30	0	0	3	-3	2	-1	0	0	0	2	-1	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	22	2	2	-2	0	2	2	2	2	2	0	0	2	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	10	0	0	-2	-1	2	2	0	0	0	0	0	0	2	-1
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13}$	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

$P_1 = \text{Group}([()]) \cong 1$

$P_2 = \text{Group}([(1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12)]) \cong \text{C2}$

$P_3 = \text{Group}([(2, 3)(4, 6)(7, 12)(8, 10)(9, 11)]) \cong \text{C2}$

$P_4 = \text{Group}([(1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (1, 10, 5, 8)(2, 7, 6, 11)(3, 9, 4, 12)]) \cong \text{C4}$

$P_5 = \text{Group}([(1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (2, 3)(4, 6)(7, 12)(8, 10)(9, 11)]) \cong \text{C2} \times \text{C2}$

$P_6 = \text{Group}([(1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (1, 8)(2, 12)(3, 11)(4, 7)(5, 10)(6, 9)]) \cong \text{C2} \times \text{C2}$

$P_7 = \text{Group}([(1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (1, 10, 5, 8)(2, 7, 6, 11)(3, 9, 4, 12), (2, 3)(4, 6)(7, 12)(8, 10)(9, 11)]) \cong \text{D8}$

$N_1 = \text{Group}([(3, 4)(5, 7)(6, 8)(9, 10)(11, 12), (1, 2, 3)(4, 5, 6)(7, 9, 10)(8, 11, 12)]) \cong \text{PSL}(2,11) : \text{C2}$

$N_2 = \text{Group}([(1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (1, 2, 3)(4, 5, 6)(7, 9, 10)(8, 11, 12), (1, 6)(2, 5)(3, 4)(7, 10)(8, 11), (1, 11, 4, 10, 2, 12, 5, 7, 3, 8, 6, 9)]) \cong \text{D24}$

$N_3 = \text{Group}([(2, 3)(4, 6)(7, 12)(8, 10)(9, 11), (1, 5)(2, 4)(3, 6)(7, 9)(11, 12), (2, 12, 11, 4, 8)(3, 7, 9, 6, 10)]) \cong \text{D20}$

$N_4 = \text{Group}([(1, 10, 5, 8)(2, 7, 6, 11)(3, 9, 4, 12), (1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (2, 3)(4, 6)(7, 12)(8, 10)(9, 11), (1, 2)(5, 6)(7, 8)(9, 12)(10, 11)]) \cong \text{D24}$

$N_5 = \text{Group}([(2, 3)(4, 6)(7, 12)(8, 10)(9, 11), (1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (1, 10, 5, 8)(2, 7, 6, 11)(3, 9, 4, 12)]) \cong \text{D8}$

$N_6 = \text{Group}([(1, 8)(2, 12)(3, 11)(4, 7)(5, 10)(6, 9), (1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12), (2, 3)(4, 6)(7, 12)(8, 10)(9, 11), (1, 2, 7)(3, 8, 6)(4, 5, 9)(10, 12, 11)]) \cong \text{S4}$

$N_7 = \text{Group}([(2, 3)(4, 6)(7, 12)(8, 10)(9, 11), (1, 10, 5, 8)(2, 7, 6, 11)(3, 9, 4, 12), (1, 5)(2, 6)(3, 4)(7, 11)(8, 10)(9, 12)]) \cong \text{D8}$