

The group G is isomorphic to the special linear group $\mathrm{SL}(2,13)$.
 Ordinary character table of $G \cong \mathrm{SL}(2,13)$:

$2a$	$3a$	$4a$	$6a$	$7a$	$7b$	$7c$	$12a$	$12b$	$13a$	$13b$	$14a$	$14b$	$14c$	$26a$	$26b$
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	-6	0	0	0	-1	-1	0	0	$E(13)^{\sim}2 + E(13)^{\sim}5 + E(13)^{\sim}6 + E(13)^{\sim}7 + E(13)^{\sim}8 + E(13)^{\sim}11$	$E(13) + E(13)^{\sim}3 + E(13)^{\sim}4 + E(13)^{\sim}9 + E(13)^{\sim}10 + E(13)^{\sim}12$	1	1	1	$-E(13)^{\sim}2 - E(13)^{\sim}5 - E(13)^{\sim}6 - E(13)^{\sim}7 - E(13)^{\sim}8 - E(13)^{\sim}11$	$-E(13) - E(13)^{\sim}3 - E(13)^{\sim}4 - E(13)^{\sim}9 - E(13)^{\sim}10 - E(13)^{\sim}12$
6	-6	0	0	0	-1	-1	0	0	$E(13) + E(13)^{\sim}3 + E(13)^{\sim}4 + E(13)^{\sim}9 + E(13)^{\sim}10 + E(13)^{\sim}12$	$E(13)^{\sim}2 + E(13)^{\sim}5 + E(13)^{\sim}6 + E(13)^{\sim}7 + E(13)^{\sim}8 + E(13)^{\sim}11$	1	1	1	$-E(13) - E(13)^{\sim}3 - E(13)^{\sim}4 - E(13)^{\sim}9 - E(13)^{\sim}10 - E(13)^{\sim}12$	$-E(13)^{\sim}2 - E(13)^{\sim}5 - E(13)^{\sim}6 - E(13)^{\sim}7 - E(13)^{\sim}8 - E(13)^{\sim}11$
7	7	1	-1	1	0	0	-1	-1	$-E(13) - E(13)^{\sim}3 - E(13)^{\sim}4 - E(13)^{\sim}9 - E(13)^{\sim}10 - E(13)^{\sim}12$	$-E(13)^{\sim}2 - E(13)^{\sim}5 - E(13)^{\sim}6 - E(13)^{\sim}7 - E(13)^{\sim}8 - E(13)^{\sim}11$	0	0	0	$-E(13) - E(13)^{\sim}3 - E(13)^{\sim}4 - E(13)^{\sim}9 - E(13)^{\sim}10 - E(13)^{\sim}12$	$-E(13)^{\sim}2 - E(13)^{\sim}5 - E(13)^{\sim}6 - E(13)^{\sim}7 - E(13)^{\sim}8 - E(13)^{\sim}11$
7	7	1	-1	1	0	0	-1	-1	$-E(13)^{\sim}2 - E(13)^{\sim}5 - E(13)^{\sim}6 - E(13)^{\sim}7 - E(13)^{\sim}8 - E(13)^{\sim}11$	$-E(13) - E(13)^{\sim}3 - E(13)^{\sim}4 - E(13)^{\sim}9 - E(13)^{\sim}10 - E(13)^{\sim}12$	0	0	0	$-E(13)^{\sim}2 - E(13)^{\sim}5 - E(13)^{\sim}6 - E(13)^{\sim}7 - E(13)^{\sim}8 - E(13)^{\sim}11$	$-E(13) - E(13)^{\sim}3 - E(13)^{\sim}4 - E(13)^{\sim}9 - E(13)^{\sim}10 - E(13)^{\sim}12$
12	-12	0	0	0	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	$-E(7) - E(7)^{\sim}6$	0	-1	-1	$E(7)^{\sim}2 + E(7)^{\sim}5$	$E(7) + E(7)^{\sim}6$	$E(7)^{\sim}3 + E(7)^{\sim}4$	1	1
12	12	0	0	0	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	$-E(7) - E(7)^{\sim}6$	0	-1	-1	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7) - E(7)^{\sim}6$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	-1	-1
12	12	0	0	0	$-E(7) - E(7)^{\sim}6$	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	0	-1	-1	$-E(7) - E(7)^{\sim}6$	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	-1	-1
12	-12	0	0	0	$-E(7) - E(7)^{\sim}6$	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	0	0	0	$E(7) + E(7)^{\sim}6$	$E(7)^{\sim}2 + E(7)^{\sim}5$	$E(7)^{\sim}3 + E(7)^{\sim}4$	1	1
12	-12	0	0	0	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	$-E(7) - E(7)^{\sim}6$	0	-1	-1	$E(7)^{\sim}2 + E(7)^{\sim}5$	$E(7)^{\sim}3 + E(7)^{\sim}4$	$E(7) + E(7)^{\sim}6$	1	1
12	12	0	0	0	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	$-E(7) - E(7)^{\sim}6$	0	-1	-1	$-E(7)^{\sim}2 - E(7)^{\sim}5$	$-E(7)^{\sim}3 - E(7)^{\sim}4$	$-E(7) - E(7)^{\sim}6$	-1	-1
13	13	1	1	1	-1	-1	1	1	0	0	-1	-1	-1	0	0
14	-14	2	0	-2	0	0	0	0	1	1	0	0	0	-1	-1
14	14	-1	-2	-1	0	0	1	1	1	1	0	0	0	1	1
14	14	-1	2	-1	0	0	-1	-1	1	1	0	0	0	1	1
14	-14	-1	0	1	0	0	0	0	1	1	0	0	0	-1	-1
14	-14	-1	0	1	0	0	0	0	1	1	0	0	0	-1	-1
14	-14	-1	0	1	0	0	0	0	1	1	0	0	0	-1	-1

Trivial source character table of $G \cong \text{SL}(2,13)$ at $p = 2$

[illegible]

$$\begin{aligned} P_1 &= Group([()]) \cong 1 \\ P_2 &= Group([(1, 3)(2, 5)(4, 8)(6, 11)(7, 12)(9, 16)(10, 17)(13, 22)(14, 23)(15, 24)(18, 29)(19, 30)(20, 31)(21, 32)(25, 26)(27, 36)(28, 37)(33, 41)(34, 42)(35, 43)(38, 47)(39, 48)(40, 49)(44, 46)(45, 54)(50, 53)(51, 52)(55, 56)]) \cong C2 \\ P_3 &= Group([(1, 22, 3, 13)(2, 15, 5, 24)(4, 53, 8, 50)(6, 38, 11, 47)(7, 29, 12, 18)(9, 51, 16, 52)(10, 54, 17, 45)(14, 49, 23, 40)(19, 55, 30, 56)(20, 39, 31, 48)(21, 36, 32, 27)(25, 35, 26, 43)(28, 34, 37, 42)(33, 44, 41, 46), (1, 3)(2, 5)(4, 8)(6, 11)(7, 12)(9, 16)(10, 17)(13, 22)(14, 23)(15, 24)(18, 29)(19, 30)(20, 31)(21, 32)(25, 26)(27, 36)(28, 37)(33, 41)(34, 42)(35, 43)(38, 47)(39, 48)(40, 49)(44, 46)(45, 54)(50, 53)(51, 52)(55, 56)]) \cong C4 \\ P_4 &= Group([(1, 7, 3, 12)(2, 14, 5, 23)(4, 21, 8, 32)(6, 26, 11, 25)(9, 34, 16, 42)(10, 20, 17, 31)(13, 29, 22, 18)(15, 40, 24, 49)(19, 33, 30, 41)(27, 50, 36, 53)(28, 52, 37, 51)(35, 47, 43, 38)(39, 54, 48, 45)(44, 55, 46, 56), (1, 29, 3, 18)(2, 49, 5, 40)(4, 36, 8, 27)(6, 43, 11, 35)(7, 13, 12, 22)(9, 37, 16, 28)(10, 39, 17, 48)(14, 24, 23, 15)(19, 44, 30, 46)(20, 45, 31, 54)(21, 50, 32, 53)(25, 38, 26, 47)(33, 56, 41, 55)(34, 52, 42, 51)]) \cong Q8 \end{aligned}$$

$$\begin{aligned}
V_1 &= \text{Group}([(2, 4, 7)(5, 8, 12)(6, 9, 14)(10, 15, 21)(11, 16, 23)(13, 18, 26)(17, 24, 32)(19, 27, 34)(22, 29, 25)(28, 35, 40)(30, 36, 42)(37, 43, 49)(38, 44, 50)(39, 45, 52)(46, 53, 47)(48, 54, 51), (1, 2, 3, 5)(4, 6, 8, 11)(7, 10, 12, 17)(9, 13, 16, 22)(14, 19, 23, 30)(15, 20, 24, 31)(18, 25, 29, 26)(21, 28, 32, 37)(27, 33, 36, 41)(34, 38, 42, 47)(35, 39, 43, 48)(40, 46, 49, 44)(45, 51, 54, 52)(50, 55, 53, 56)])] \cong \text{SL}(2, 13) \\
V_2 &= \text{Group}([(2, 4, 7)(5, 8, 12)(6, 9, 14)(10, 15, 21)(11, 16, 23)(13, 18, 26)(17, 24, 32)(19, 27, 34)(22, 29, 25)(28, 35, 40)(30, 36, 42)(37, 43, 49)(38, 44, 50)(39, 45, 52)(46, 53, 47)(48, 54, 51), (1, 2, 3, 5)(4, 6, 8, 11)(7, 10, 12, 17)(9, 13, 16, 22)(14, 19, 23, 30)(15, 20, 24, 31)(18, 25, 29, 26)(21, 28, 32, 37)(27, 33, 36, 41)(34, 38, 42, 47)(35, 39, 43, 48)(40, 46, 49, 44)(45, 51, 54, 52)(50, 55, 53, 56)])] \cong \text{SL}(2, 13) \\
V_3 &= \text{Group}([(1, 22, 3, 12)(2, 15, 5, 24)(4, 53, 8, 11, 47)(7, 29, 12, 18)(9, 51, 16, 52)(10, 54, 17, 45)(14, 49, 23, 40)(19, 55, 30, 56)(20, 39, 31, 48)(36, 52, 26, 53, 26, 43)(28, 34, 26, 43)(33, 44, 41, 46)(1, 3)(2, 5)(4, 6, 11)(7, 12)(9, 13, 16, 11)(12, 19)(13, 22)(15, 24, 23)(18, 29, 19, 30)(20, 31)(21, 32)(25, 26)(27, 36)(28, 37, 33, 41)(34, 42)(35, 43)(38, 47)(39, 48)(40, 49)(44, 46)(50, 55, 53)(51, 52)(55, 56), (1, 4, 3, 8)(2, 23, 5, 14)(6, 34, 11, 42)(7, 17, 12, 10)(9, 44, 16, 46)(13, 53, 22, 50)(15, 49, 24, 40)(18, 45, 29, 54)(19, 43, 30, 35)(20, 32, 31, 21)(25, 55, 26, 56)(27, 39, 36, 48)(28, 47, 37, 38)(33, 52, 41, 51), (1, 31, 3, 20)(2, 14, 5, 23)(4, 17, 8, 10)(6, 44, 11, 46)(7, 32, 12, 21)(9, 25, 16, 26)(13, 48, 22, 39)(15, 40, 24, 49)(18, 27, 39, 36)(19, 37, 30, 28)(33, 47, 41, 38)(34, 56, 42, 55)(35, 51, 43, 52)(45, 53, 54, 50)])] \cong \text{C}_3 \times \text{Q}_8 \\
V_4 &= \text{Group}([(1, 7, 3, 12)(2, 14, 5, 23)(4, 21, 8, 32)(6, 26, 11, 25)(9, 34, 16, 42)(10, 20, 17, 31)(13, 29, 22, 18)(15, 40, 24, 49)(19, 33, 30, 41)(27, 50, 36, 53)(28, 52, 37, 51)(35, 47, 43, 38)(39, 54, 48, 45)(44, 55, 46, 56), (1, 29, 3, 18)(2, 49, 5, 40)(4, 36, 8, 27)(6, 43, 11, 35)(7, 13, 12, 22)(9, 37, 16, 28)(10, 39, 17, 48)(14, 24, 23, 15)(19, 44, 30, 46)(20, 45, 31, 54)(21, 50, 32, 53)(25, 38, 26, 47)(33, 56, 41, 55)(34, 52, 42, 51), (2, 53, 55)(4, 46, 40)(5, 50, 56)(7, 18, 13)(8, 44, 49)(9, 34, 51)(10, 45, 39)(12, 29, 22)(14, 32, 19)(15, 36, 33)(16, 42, 52)(17, 54, 48)(21, 30, 23)(24, 27, 41)(25, 43, 38)(26, 35, 47)])] \cong \text{SL}(2, 3)
\end{aligned}$$