The group G is isomorphic to the group labelled by [50, 1] in the Small Groups library.
Ordinary character table of $G \cong$ D50:

	$1a$	$2a$	$25a$	$5a$	$25b$	$25c$	$5b$	$25d$	$25e$	$25f$	$25g$	$25h$	$25i$	$25j$
χ_1	1	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	1	1
χ_3	2	0	$E(25)^3 + E(25)^{22}$	$E(5)^2 + E(5)^3$	$E(25)^6 + E(25)^{19}$	$E(25)^7 + E(25)^{18}$	$E(5) + E(5)^4$	$E(25)^9 + E(25)^{16}$	$E(25)^4 + E(25)^{21}$	$E(25)^8 + E(25)^{17}$	$E(25)^{12} + E(25)^{13}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(25)^{11} + E(25)^{14}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$
χ_4	2	0	$E(25)^8 + E(25)^{17}$	$E(5)^2 + E(5)^3$	$E(25)^9 + E(25)^{16}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(5) + E(5)^4$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(25)^6 + E(25)^{19}$	$E(25)^{12} + E(25)^{13}$	$E(25)^7 + E(25)^{18}$	$E(25)^{11} + E(25)^{14}$	$E(25)^4 + E(25)^{21}$	$E(25)^3 + E(25)^{22}$
χ_5	2	0	$E(25)^9 + E(25)^{16}$	$E(5) + E(5)^4$	$E(25)^7 + E(25)^{18}$	$E(25)^4 + E(25)^{21}$	$E(5)^2 + E(5)^3$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^{12} + E(25)^{13}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(25)^{11} + E(25)^{14}$	$E(25)^3 + E(25)^{22}$	$E(25)^8 + E(25)^{17}$	$E(25)^6 + E(25)^{19}$
χ_6	2	0	$E(25)^7 + E(25)^{18}$	$E(5)^2 + E(5)^3$	$E(25)^{11} + E(25)^{14}$	$E(25)^8 + E(25)^{17}$	$E(5) + E(5)^4$	$E(25)^4 + E(25)^{21}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^3 + E(25)^{22}$	$E(25)^6 + E(25)^{19}$	$E(25)^9 + E(25)^{16}$	$E(25)^{12} + E(25)^{13}$
χ_7	2	0	$E(25)^4 + E(25)^{21}$	$E(5) + E(5)^4$	$E(25)^8 + E(25)^{17}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(5)^2 + E(5)^3$	$E(25)^{12} + E(25)^{13}$	$E(25)^3 + E(25)^{22}$	$E(25)^6 + E(25)^{19}$	$E(25)^9 + E(25)^{16}$	$E(25)^7 + E(25)^{18}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^{11} + E(25)^{14}$
χ_8	2	0	$E(25)^{12} + E(25)^{13}$	$E(5)^2 + E(5)^3$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(25)^3 + E(25)^{22}$	$E(5) + E(5)^4$	$E(25)^{11} + E(25)^{14}$	$E(25)^9 + E(25)^{16}$	$E(25)^7 + E(25)^{18}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^4 + E(25)^{21}$	$E(25)^6 + E(25)^{19}$	$E(25)^8 + E(25)^{17}$
χ_9	2	0	$E(25)^{11} + E(25)^{14}$	$E(5) + E(5)^4$	$E(25)^3 + E(25)^{22}$	$E(25)^9 + E(25)^{16}$	$E(5)^2 + E(5)^3$	$E(25)^8 + E(25)^{17}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^4 + E(25)^{21}$	$E(25)^6 + E(25)^{19}$	$E(25)^{12} + E(25)^{13}$	$E(25)^7 + E(25)^{18}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$
χ_{10}	2	0	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(5) + E(5)^4$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^6 + E(25)^{19}$	$E(5)^2 + E(5)^3$	$E(25)^3 + E(25)^{22}$	$E(25)^7 + E(25)^{18}$	$E(25)^{11} + E(25)^{14}$	$E(25)^4 + E(25)^{21}$	$E(25)^8 + E(25)^{17}$	$E(25)^{12} + E(25)^{13}$	$E(25)^9 + E(25)^{16}$
χ_{11}	2	0	$E(25)^6 + E(25)^{19}$	$E(5) + E(5)^4$	$E(25)^{12} + E(25)^{13}$	$E(25)^{11} + E(25)^{14}$	$E(5)^2 + E(5)^3$	$E(25)^7 + E(25)^{18}$	$E(25)^8 + E(25)^{17}$	$E(25)^9 + E(25)^{16}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(25)^3 + E(25)^{22}$	$E(25)^4 + E(25)^{21}$
χ_{12}	2	0	$-E(25)^3 - E(25)^7 - E(25)^8 - E(25)^{12} - E(25)^{13} - E(25)^{17} - E(25)^{18} - E(25)^{22}$	$E(5)^2 + E(5)^3$	$E(25)^4 + E(25)^{21}$	$E(25)^{12} + E(25)^{13}$	$E(5) + E(5)^4$	$E(25)^6 + E(25)^{19}$	$E(25)^{11} + E(25)^{14}$	$E(25)^3 + E(25)^{22}$	$E(25)^8 + E(25)^{17}$	$E(25)^9 + E(25)^{16}$	$-E(25)^4 - E(25)^6 - E(25)^9 - E(25)^{11} - E(25)^{14} - E(25)^{16} - E(25)^{19} - E(25)^{21}$	$E(25)^7 + E(25)^{18}$
χ_{13}	2	0	$E(5)^2 + E(5)^3$	2	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	2	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$
χ_{14}	2	0	$E(5) + E(5)^4$	2	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	2	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$	$E(5) + E(5)^4$	$E(5)^2 + E(5)^3$	$E(5)^2 + E(5)^3$	$E(5) + E(5)^4$

Trivial source character table of $G \cong$ D50 at $p = 5$:

Normalisers N_i	N_1		N_2		N_3	
p-subgroups of G up to conjugacy in G	P_1		P_2		P_3	
Representatives $n_j \in N_i$	$1a$	$2a$	$1a$	$2a$	$1a$	$2a$
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	25	-1	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	25	1	0	0	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	5	-1	5	-1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14}$	5	1	5	1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14}$	1	-1	1	-1	1	-1

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(1,4,9,16,25)(2,6,12,20,30)(3,8,15,24,34)(5,11,19,29,38)(7,14,23,33,41)(10,18,28,37,44)(13,22,32,40,46)(17,27,36,43,48)(21,31,39,45,49)(26,35,42,47,50)]) \cong$ C5
$P_3 = Group([(1,34,33,32,31,4,3,41,40,39,9,8,7,46,45,16,15,14,13,49,25,24,23,22,21)(2,38,37,36,35,6,5,44,43,42,12,11,10,48,47,20,19,18,17,50,30,29,28,27,26), (1,4,9,16,25)(2,6,12,20,30)(3,8,15,24,34)(5,11,19,29,38)(7,14,23,33,41)(10,18,28,37,44)(13,22,32,40,46)(17,27,36,43,48)(21,31,39,45,49)(26,35,42,47,50)]) \cong$ C25

$N_1 = Group([(1,2)(3,50)(4,30)(5,49)(6,25)(7,48)(8,47)(9,20)(10,46)(11,45)(12,16)(13,44)(14,43)(15,42)(17,41)(18,40)(19,39)(21,38)(22,37)(23,36)(24,35)(26,34)(27,33)(28,32)(29,31), (1,3,7,13,21,4,8,14,22,31,9,15,23,32,39,16,24,33,40,45,25,34,41,46,49)(2,5,10,17,26,6,11,18,27,35,12,19,28,36,42,20,29,37,43,47,30,38,44,48,50), (1,4,9,16,25)(2,6,12,20,30)(3,8,15,24,34)(5,11,19,29,38)(7,14,23,33,41)(10,18,28,37,44)(13,22,32,40,46)(17,27,36,43,48)(21,31,39,45,49)(26,35,42,47,50)]) \cong$ D50
$N_2 = Group([(1,4,9,16,25)(2,6,12,20,30)(3,8,15,24,34)(5,11,19,29,38)(7,14,23,33,41)(10,18,28,37,44)(13,22,32,40,46)(17,27,36,43,48)(21,31,39,45,49)(26,35,42,47,50), (1,2)(3,50)(4,30)(5,49)(6,25)(7,48)(8,47)(9,20)(10,46)(11,45)(12,16)(13,44)(14,43)(15,42)(17,41)(18,40)(19,39)(21,38)(22,37)(23,36)(24,35)(26,34)(27,33)(28,32)(29,31), (1,3,7,13,21,4,8,14,22,31,9,15,23,32,39,16,24,33,40,45,25,34,41,46,49)(2,5,10,17,26,6,11,18,27,35,12,19,28,36,42,20,29,37,43,47,30,38,44,48,50)]) \cong$ D50
$N_3 = Group([(1,34,33,32,31,4,3,41,40,39,9,8,7,46,45,16,15,14,13,49,25,24,23,22,21)(2,38,37,36,35,6,5,44,43,42,12,11,10,48,47,20,19,18,17,50,30,29,28,27,26), (1,4,9,16,25)(2,6,12,20,30)(3,8,15,24,34)(5,11,19,29,38)(7,14,23,33,41)(10,18,28,37,44)(13,22,32,40,46)(17,27,36,43,48)(21,31,39,45,49)(26,35,42,47,50), (1,2)(3,50)(4,30)(5,49)(6,25)(7,48)(8,47)(9,20)(10,46)(11,45)(12,16)(13,44)(14,43)(15,42)(17,41)(18,40)(19,39)(21,38)(22,37)(23,36)(24,35)(26,34)(27,33)(28,32)(29,31)]) \cong$ D50