

The group G is isomorphic to the group labelled by [68, 3] in the Small Groups library.

Ordinary character table of $G \cong \text{C17} : \text{C4}$:

	1a	4a	2a	17a	4b	17b	17c	17d
χ_1	1	1	1	1	1	1	1	1
χ_2	1	-1	1	1	-1	1	1	1
χ_3	1	$-E(4)$	-1	1	$E(4)$	1	1	1
χ_4	1	$E(4)$	-1	1	$-E(4)$	1	1	1
χ_5	4	0	0	$E(17)^3 + E(17)^5 + E(17)^{12} + E(17)^{14}$	0	$E(17)^6 + E(17)^7 + E(17)^{10} + E(17)^{11}$	$E(17)^2 + E(17)^8 + E(17)^9 + E(17)^{15}$	$E(17) + E(17)^4 + E(17)^{13} + E(17)^{16}$
χ_6	4	0	0	$E(17)^2 + E(17)^8 + E(17)^9 + E(17)^{15}$	0	$E(17) + E(17)^4 + E(17)^{13} + E(17)^{16}$	$E(17)^6 + E(17)^7 + E(17)^{10} + E(17)^{11}$	$E(17)^3 + E(17)^5 + E(17)^{12} + E(17)^{14}$
χ_7	4	0	0	$E(17) + E(17)^4 + E(17)^{13} + E(17)^{16}$	0	$E(17)^2 + E(17)^8 + E(17)^9 + E(17)^{15}$	$E(17)^3 + E(17)^5 + E(17)^{12} + E(17)^{14}$	$E(17)^6 + E(17)^7 + E(17)^{10} + E(17)^{11}$
χ_8	4	0	0	$E(17)^6 + E(17)^7 + E(17)^{10} + E(17)^{11}$	0	$E(17)^3 + E(17)^5 + E(17)^{12} + E(17)^{14}$	$E(17) + E(17)^4 + E(17)^{13} + E(17)^{16}$	$E(17)^2 + E(17)^8 + E(17)^9 + E(17)^{15}$

Trivial source character table of $G \cong \text{C17} : \text{C4}$ at $p = 17$:

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	4a	2a	4b	1a	4a	2a	4b
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	17	-1	1	-1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	17	$E(4)$	-1	$-E(4)$	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	17	1	1	1	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	17	$-E(4)$	-1	$E(4)$	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	1	1	1	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	-1	1	-1	1	-1	1	-1
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	$E(4)$	-1	$-E(4)$	1	$E(4)$	-1	$-E(4)$
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	1	$-E(4)$	-1	$E(4)$	1	$-E(4)$	-1	$E(4)$

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

$$P_2 = \text{Group}([(1, 52, 36, 20, 4, 56, 40, 24, 8, 60, 44, 28, 12, 64, 48, 32, 16)(2, 54, 38, 22, 6, 58, 42, 26, 10, 62, 46, 30, 14, 66, 50, 34, 18)(3, 55, 39, 23, 7, 59, 43, 27, 11, 63, 47, 31, 15, 67, 51, 35, 19)(5, 57, 41, 25, 9, 61, 45, 29, 13, 65, 49, 33, 17, 68, 53, 37, 21)]) \cong \text{C17}$$

$$N_1 = \text{Group}([(1, 2, 3, 5)(4, 54, 67, 21)(6, 55, 68, 16)(7, 57, 64, 18)(8, 38, 63, 37)(9, 52, 66, 19)(10, 39, 65, 32)(11, 41, 60, 34)(12, 22, 59, 53)(13, 36, 62, 35)(14, 23, 61, 48)(15, 25, 56, 50)(17, 20, 58, 51)(24, 42, 47, 33)(26, 43, 49, 28)(27, 45, 44, 30)(29, 40, 46, 31), (1, 3)(2, 5)(4, 67)(6, 68)(7, 64)(8, 63)(9, 66)(10, 65)(11, 60)(12, 59)(13, 62)(14, 61)(15, 56)(16, 55)(17, 58)(18, 57)(19, 52)(20, 51)(21, 54)(22, 53)(23, 48)(24, 47)(25, 50)(26, 49)(27, 44)(28, 43)(29, 46)(30, 45)(31, 40)(32, 39)(33, 42)(34, 41)(35, 36)(37, 38), (1, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64)(2, 6, 10, 14, 18, 22, 26, 30, 34, 38, 42, 46, 50, 54, 58, 62, 66)(3, 7, 11, 15, 19, 23, 27, 31, 35, 39, 43, 47, 51, 55, 59, 63, 67)(5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 68)]) \cong \text{C17} : \text{C4}$$

$$N_2 = \text{Group}([(1, 52, 36, 20, 4, 56, 40, 24, 8, 60, 44, 28, 12, 64, 48, 32, 16)(2, 54, 38, 22, 6, 58, 42, 26, 10, 62, 46, 30, 14, 66, 50, 34, 18)(3, 55, 39, 23, 7, 59, 43, 27, 11, 63, 47, 31, 15, 67, 51, 35, 19)(5, 57, 41, 25, 9, 61, 45, 29, 13, 65, 49, 33, 17, 68, 53, 37, 21)]) \cong \text{C17} : \text{C4}$$