

The group G is isomorphic to the group labelled by [34, 1] in the Small Groups library.

Ordinary character table of $G \cong \text{D34}$:

	1a	2a	17a	17b	17c	17d	17e	17f	17g	17h
χ_1	1	1	1	1	1	1	1	1	1	1
χ_2	1	-1	1	1	1	1	1	1	1	1
χ_3	2	0	$E(17)^5 + E(17)^{12}$	$E(17)^7 + E(17)^{10}$	$E(17)^2 + E(17)^{15}$	$E(17)^3 + E(17)^{14}$	$E(17)^8 + E(17)^9$	$E(17)^4 + E(17)^{13}$	$E(17) + E(17)^{16}$	$E(17)^6 + E(17)^{11}$
χ_4	2	0	$E(17)^3 + E(17)^{14}$	$E(17)^6 + E(17)^{11}$	$E(17)^8 + E(17)^9$	$E(17)^5 + E(17)^{12}$	$E(17)^2 + E(17)^{15}$	$E(17) + E(17)^{16}$	$E(17)^4 + E(17)^{13}$	$E(17)^7 + E(17)^{10}$
χ_5	2	0	$E(17)^6 + E(17)^{11}$	$E(17)^5 + E(17)^{12}$	$E(17) + E(17)^{16}$	$E(17)^7 + E(17)^{10}$	$E(17)^4 + E(17)^{13}$	$E(17)^2 + E(17)^{15}$	$E(17)^8 + E(17)^9$	$E(17)^3 + E(17)^{14}$
χ_6	2	0	$E(17)^2 + E(17)^{15}$	$E(17)^4 + E(17)^{13}$	$E(17)^6 + E(17)^{11}$	$E(17)^8 + E(17)^9$	$E(17)^7 + E(17)^{10}$	$E(17)^5 + E(17)^{12}$	$E(17)^3 + E(17)^{14}$	$E(17) + E(17)^{16}$
χ_7	2	0	$E(17)^7 + E(17)^{10}$	$E(17)^3 + E(17)^{14}$	$E(17)^4 + E(17)^{13}$	$E(17)^6 + E(17)^{11}$	$E(17) + E(17)^{16}$	$E(17)^8 + E(17)^9$	$E(17)^2 + E(17)^{15}$	$E(17)^5 + E(17)^{12}$
χ_8	2	0	$E(17)^8 + E(17)^9$	$E(17) + E(17)^{16}$	$E(17)^7 + E(17)^{10}$	$E(17)^2 + E(17)^{15}$	$E(17)^6 + E(17)^{11}$	$E(17)^3 + E(17)^{14}$	$E(17)^5 + E(17)^{12}$	$E(17)^4 + E(17)^{13}$
χ_9	2	0	$E(17)^4 + E(17)^{13}$	$E(17)^8 + E(17)^9$	$E(17)^5 + E(17)^{12}$	$E(17) + E(17)^{16}$	$E(17)^3 + E(17)^{14}$	$E(17)^7 + E(17)^{10}$	$E(17)^6 + E(17)^{11}$	$E(17)^2 + E(17)^{15}$
χ_{10}	2	0	$E(17) + E(17)^{16}$	$E(17)^2 + E(17)^{15}$	$E(17)^3 + E(17)^{14}$	$E(17)^4 + E(17)^{13}$	$E(17)^5 + E(17)^{12}$	$E(17)^6 + E(17)^{11}$	$E(17)^7 + E(17)^{10}$	$E(17)^8 + E(17)^9$

Trivial source character table of $G \cong \text{D34}$ 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	2a	1a	2a
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10}$	17	-1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10}$	17	1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10}$	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10}$	1	-1	1	-1

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

$$P_2 = \text{Group}([(1, 27, 19, 11, 3, 29, 21, 13, 5, 31, 23, 15, 7, 33, 25, 17, 9)(2, 28, 20, 12, 4, 30, 22, 14, 6, 32, 24, 16, 8, 34, 26, 18, 10)]) \cong \text{C17}$$

$$N_1 = \text{Group}([(1, 2)(3, 34)(4, 33)(5, 32)(6, 31)(7, 30)(8, 29)(9, 28)(10, 27)(11, 26)(12, 25)(13, 24)(14, 23)(15, 22)(16, 21)(17, 20)(18, 19), (1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33)(2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34)]) \cong \text{D34}$$

$$N_2 = \text{Group}([(1, 27, 19, 11, 3, 29, 21, 13, 5, 31, 23, 15, 7, 33, 25, 17, 9)(2, 28, 20, 12, 4, 30, 22, 14, 6, 32, 24, 16, 8, 34, 26, 18, 10), (1, 2)(3, 34)(4, 33)(5, 32)(6, 31)(7, 30)(8, 29)(9, 28)(10, 27)(11, 26)(12, 25)(13, 24)(14, 23)(15, 22)(16, 21)(17, 20)(18, 19)]) \cong \text{D34}$$