

The group G is isomorphic to the group labelled by [38, 1] in the Small Groups library.

Ordinary character table of $G \cong \text{D38}$:

	1a	2a	19a	19b	19c	19d	19e	19f	19g	19h	19i
χ_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
χ_3	2	0	$E(19)^6 + E(19)^{13}$	$E(19)^7 + E(19)^{12}$	$E(19) + E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$E(19)^9 + E(19)^{10}$	$E(19)^3 + E(19)^{16}$
χ_4	2	0	$E(19)^2 + E(19)^{17}$	$E(19)^4 + E(19)^{15}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$E(19)^9 + E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$E(19)^3 + E(19)^{16}$	$E(19) + E(19)^{18}$
χ_5	2	0	$E(19)^7 + E(19)^{12}$	$E(19)^5 + E(19)^{14}$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$E(19)^3 + E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$
χ_6	2	0	$E(19)^5 + E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$E(19)^4 + E(19)^{15}$	$E(19) + E(19)^{18}$	$E(19)^6 + E(19)^{13}$	$E(19)^8 + E(19)^{11}$	$E(19)^3 + E(19)^{16}$	$E(19)^2 + E(19)^{17}$	$E(19)^7 + E(19)^{12}$
χ_7	2	0	$E(19)^4 + E(19)^{15}$	$E(19)^8 + E(19)^{11}$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$E(19) + E(19)^{18}$	$E(19)^5 + E(19)^{14}$	$E(19)^9 + E(19)^{10}$	$E(19)^6 + E(19)^{13}$	$E(19)^2 + E(19)^{17}$
χ_8	2	0	$E(19)^8 + E(19)^{11}$	$E(19)^3 + E(19)^{16}$	$E(19)^5 + E(19)^{14}$	$E(19)^6 + E(19)^{13}$	$E(19)^2 + E(19)^{17}$	$E(19)^9 + E(19)^{10}$	$E(19) + E(19)^{18}$	$E(19)^7 + E(19)^{12}$	$E(19)^4 + E(19)^{15}$
χ_9	2	0	$E(19) + E(19)^{18}$	$E(19)^2 + E(19)^{17}$	$E(19)^3 + E(19)^{16}$	$E(19)^4 + E(19)^{15}$	$E(19)^5 + E(19)^{14}$	$E(19)^6 + E(19)^{13}$	$E(19)^7 + E(19)^{12}$	$E(19)^8 + E(19)^{11}$	$E(19)^9 + E(19)^{10}$
χ_{10}	2	0	$E(19)^9 + E(19)^{10}$	$E(19) + E(19)^{18}$	$E(19)^8 + E(19)^{11}$	$E(19)^2 + E(19)^{17}$	$E(19)^7 + E(19)^{12}$	$E(19)^3 + E(19)^{16}$	$E(19)^6 + E(19)^{13}$	$E(19)^4 + E(19)^{15}$	$E(19)^5 + E(19)^{14}$
χ_{11}	2	0	$E(19)^3 + E(19)^{16}$	$E(19)^6 + E(19)^{13}$	$E(19)^9 + E(19)^{10}$	$E(19)^7 + E(19)^{12}$	$E(19)^4 + E(19)^{15}$	$E(19) + E(19)^{18}$	$E(19)^2 + E(19)^{17}$	$E(19)^5 + E(19)^{14}$	$E(19)^8 + E(19)^{11}$

Trivial source character table of $G \cong \text{D38}$ at $p = 19$:

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
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11}$	19	-1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11}$	19	1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	1	1	1	1
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11}$	1	-1	1	-1

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

$$P_2 = \text{Group}([(1, 31, 23, 15, 7, 37, 29, 21, 13, 5, 35, 27, 19, 11, 3, 33, 25, 17, 9)(2, 32, 24, 16, 8, 38, 30, 22, 14, 6, 36, 28, 20, 12, 4, 34, 26, 18, 10)]) \cong \text{C19}$$

$$N_1 = \text{Group}([(1, 2)(3, 38)(4, 37)(5, 36)(6, 35)(7, 34)(8, 33)(9, 32)(10, 31)(11, 30)(12, 29)(13, 28)(14, 27)(15, 26)(16, 25)(17, 24)(18, 23)(19, 22)(20, 21), (1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37)(2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38)]) \cong \text{D38}$$

$$N_2 = \text{Group}([(1, 31, 23, 15, 7, 37, 29, 21, 13, 5, 35, 27, 19, 11, 3, 33, 25, 17, 9)(2, 32, 24, 16, 8, 38, 30, 22, 14, 6, 36, 28, 20, 12, 4, 34, 26, 18, 10), (1, 2)(3, 38)(4, 37)(5, 36)(6, 35)(7, 34)(8, 33)(9, 32)(10, 31)(11, 30)(12, 29)(13, 28)(14, 27)(15, 26)(16, 25)(17, 24)(18, 23)(19, 22)(20, 21)]) \cong \text{D38}$$