

The group  $G$  is isomorphic to the group labelled by [ 26, 1 ] in the Small Groups library.

Ordinary character table of  $G \cong \text{D26}$ :

	1a	2a	13a	13b	13c	13d	13e	13f
$\chi_1$	1	1	1	1	1	1	1	1
$\chi_2$	1	-1	1	1	1	1	1	1
$\chi_3$	2	0	$E(13)^2 + E(13)^{11}$	$E(13)^3 + E(13)^{10}$	$E(13)^6 + E(13)^7$	$E(13)^4 + E(13)^9$	$E(13)^5 + E(13)^8$	$E(13) + E(13)^{12}$
$\chi_4$	2	0	$E(13)^6 + E(13)^7$	$E(13)^4 + E(13)^9$	$E(13)^5 + E(13)^8$	$E(13) + E(13)^{12}$	$E(13)^2 + E(13)^{11}$	$E(13)^3 + E(13)^{10}$
$\chi_5$	2	0	$E(13)^5 + E(13)^8$	$E(13) + E(13)^{12}$	$E(13)^2 + E(13)^{11}$	$E(13)^3 + E(13)^{10}$	$E(13)^6 + E(13)^7$	$E(13)^4 + E(13)^9$
$\chi_6$	2	0	$E(13) + E(13)^{12}$	$E(13)^5 + E(13)^8$	$E(13)^3 + E(13)^{10}$	$E(13)^2 + E(13)^{11}$	$E(13)^4 + E(13)^9$	$E(13)^6 + E(13)^7$
$\chi_7$	2	0	$E(13)^3 + E(13)^{10}$	$E(13)^2 + E(13)^{11}$	$E(13)^4 + E(13)^9$	$E(13)^6 + E(13)^7$	$E(13) + E(13)^{12}$	$E(13)^5 + E(13)^8$
$\chi_8$	2	0	$E(13)^4 + E(13)^9$	$E(13)^6 + E(13)^7$	$E(13) + E(13)^{12}$	$E(13)^5 + E(13)^8$	$E(13)^3 + E(13)^{10}$	$E(13)^2 + E(13)^{11}$

Trivial source character table of  $G \cong \text{D26}$  at  $p = 13$ :

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
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	13	-1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8$	13	1	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8$	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

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

$$P_2 = \text{Group}([(1, 19, 11, 3, 21, 13, 5, 23, 15, 7, 25, 17, 9)(2, 20, 12, 4, 22, 14, 6, 24, 16, 8, 26, 18, 10)]) \cong \text{C13}$$

$$N_1 = \text{Group}([(1, 2)(3, 26)(4, 25)(5, 24)(6, 23)(7, 22)(8, 21)(9, 20)(10, 19)(11, 18)(12, 17)(13, 16)(14, 15), (1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25)(2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26)]) \cong \text{D26}$$

$$N_2 = \text{Group}([(1, 19, 11, 3, 21, 13, 5, 23, 15, 7, 25, 17, 9)(2, 20, 12, 4, 22, 14, 6, 24, 16, 8, 26, 18, 10), (1, 2)(3, 26)(4, 25)(5, 24)(6, 23)(7, 22)(8, 21)(9, 20)(10, 19)(11, 18)(12, 17)(13, 16)(14, 15)]) \cong \text{D26}$$