

The group G is isomorphic to the group labelled by [12, 3] in the Small Groups library.

Ordinary character table of $G \cong A4$:

	$1a$	$2a$	$3a$	$3b$
χ_1	1	1	1	1
χ_2	1	1	$E(3)$	$E(3)^2$
χ_3	1	1	$E(3)^2$	$E(3)$
χ_4	3	-1	0	0

Trivial source character table of $G \cong A4$ at $p = 3$:

Normalisers N_i	N_1	N_2	
p -subgroups of G up to conjugacy in G	P_1	P_2	
Representatives $n_j \in N_i$	$1a$	$2a$	$1a$
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4$	3	3	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4$	3	-1	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4$	1	1	1

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

$$P_2 = \text{Group}([(1, 2, 5)(3, 7, 12)(4, 11, 9)(6, 10, 8)]) \cong C3$$

$$N_1 = \text{Group}([(1, 2, 5)(3, 7, 12)(4, 11, 9)(6, 10, 8), (1, 3)(2, 6)(4, 8)(5, 9)(7, 11)(10, 12), (1, 4)(2, 7)(3, 8)(5, 10)(6, 11)(9, 12)]) \cong A4$$

$$N_2 = \text{Group}([(1, 2, 5)(3, 7, 12)(4, 11, 9)(6, 10, 8)]) \cong C3$$