The group G is isomorphic to the group labelled by [10, 2] in the Small Groups library.
Ordinary character table of $G \cong$ C10:

	$1a$	$5a$	$5b$	$5c$	$5d$	$2a$	$10a$	$10b$	$10c$	$10d$
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	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$
χ_4	1	$E(5)$	$E(5)^2$	$E(5)^3$	$E(5)^4$	-1	$-E(5)$	$-E(5)^2$	$-E(5)^3$	$-E(5)^4$
χ_5	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$
χ_6	1	$E(5)^2$	$E(5)^4$	$E(5)$	$E(5)^3$	-1	$-E(5)^2$	$-E(5)^4$	$-E(5)$	$-E(5)^3$
χ_7	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$
χ_8	1	$E(5)^3$	$E(5)$	$E(5)^4$	$E(5)^2$	-1	$-E(5)^3$	$-E(5)$	$-E(5)^4$	$-E(5)^2$
χ_9	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$
χ_{10}	1	$E(5)^4$	$E(5)^3$	$E(5)^2$	$E(5)$	-1	$-E(5)^4$	$-E(5)^3$	$-E(5)^2$	$-E(5)$

Trivial source character table of $G \cong$ C10 at $p = 5$:

Normalisers N_i	N_1		N_2	
p-subgroups of G up to conjugacy in G	P_1		P_2	
Representatives $n_j \in N_i$	$1a$	$2a$	$1a$	$2a$
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10}$	5	5	0	0
$0 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10}$	5	-5	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

$P_1 = Group([()]) \cong 1$
$P_2 = Group([(3,4,5,6,7)]) \cong$ C5

$N_1 = Group([(1,2),(3,4,5,6,7)]) \cong$ C10
$N_2 = Group([(1,2),(3,4,5,6,7)]) \cong$ C10