

The group G is isomorphic to the group labelled by [120, 34] in the Small Groups library.
 Ordinary character table of $G \cong S5$:

	1a	2a	3a	5a	2b	4a	6a
χ_1	1	1	1	1	1	1	1
χ_2	1	1	1	1	-1	-1	-1
χ_3	6	-2	0	1	0	0	0
χ_4	4	0	1	-1	2	0	-1
χ_5	4	0	1	-1	-2	0	1
χ_6	5	1	-1	0	1	-1	1
χ_7	5	1	-1	0	-1	1	-1

Trivial source character table of $G \cong S5$ at $p = 2$:

Normalisers N_i	N_1			N_2		N_3	N_4	N_5	N_6		N_7
p -subgroups of G up to conjugacy in G	P_1			P_2		P_3	P_4	P_5	P_6		P_7
Representatives $n_j \in N_i$	1a	3a	5a	1a	3a	1a	1a	1a	1a	3a	1a
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 2 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	24	0	4	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	16	-2	1	0	0	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	8	2	-2	0	0	0	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7$	12	0	2	2	2	0	0	0	0	0	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	4	1	-1	2	-1	0	0	0	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	12	0	2	0	0	4	0	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7$	6	0	1	2	2	2	2	0	0	0	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7$	6	0	1	0	0	2	0	2	0	0	0
$1 \cdot \chi_1 + 1 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	2	2	2	0	0	2	0	0	2	2	0
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	10	-2	0	0	0	2	0	0	2	-1	0
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7$	1	1	1	1	1	1	1	1	1	1	1

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

$$P_2 = \text{Group}([(3, 5)]) \cong C2$$

$$P_3 = \text{Group}([(2, 4)(3, 5)]) \cong C2$$

$$P_4 = \text{Group}([(2, 4), (3, 5)]) \cong C2 \times C2$$

$$P_5 = \text{Group}([(2, 3, 4, 5), (2, 4)(3, 5)]) \cong C4$$

$$P_6 = \text{Group}([(2, 5)(3, 4), (2, 4)(3, 5)]) \cong C2 \times C2$$

$$P_7 = \text{Group}([(2, 4), (3, 5), (2, 3, 4, 5)]) \cong D8$$

$$N_1 = \text{SymmetricGroup}([1..5]) \cong S5$$

$$N_2 = \text{Group}([(1, 2, 4), (1, 2), (3, 5)]) \cong D12$$

$$N_3 = \text{Group}([(3, 5), (2, 3)(4, 5)]) \cong D8$$

$$N_4 = \text{Group}([(3, 5), (2, 4), (2, 3, 4, 5)]) \cong D8$$

$$N_5 = \text{Group}([(2, 3, 4, 5), (2, 4)(3, 5), (3, 5)]) \cong D8$$

$$N_6 = \text{SymmetricGroup}([2..5]) \cong S4$$

$$N_7 = \text{Group}([(2, 3, 4, 5), (3, 5), (2, 4)]) \cong D8$$