The group G is isomorphic to the group labelled by [720, 765] in the Small Groups library. Ordinary character table of $G \cong A6$. C2:

	1a	2a	3a	4a	4b	5a	8a	8b
χ_1	1	1	1	1	1	1	1	1
χ_2	1	1	1	1	-1	1	-1	-1
χ_3	9	1	0	1	-1	-1	1	1
χ_4	9	1	0	1	1	-1	-1	-1
χ_5	10	2	1	-2	0	0	0	0
χ_6	10	-2	1	0	0	0	$E(8) + E(8)^3$	$-E(8) - E(8)^3$
χ_7	10	-2	1	0	0	0	$-E(8) - E(8)^3$	$E(8) + E(8)^3$
χ_8	16	0	-2	0	0	1	0	0

Trivial source character table of $G \cong A6$. C2 at p = 2

 $P_1 = Group([()]) \cong 1$

	N_1		N_2	N_3	N_4	N_5		N_6	N_7	N_8	N_9
	P_1		P_2	P_3	P_4	I	5	P_6	P_7	P_8	P_9
1 <i>a</i>	3a	5a	1a	1a	1a	1a	3a	1a	1a	1a	1a
80	8	0	0	0	0	0	0	0	0	0	0
48	3	-2	0	0	0	0	0	0	0	0	0
16	-2	1	0	0	0	0	0	0	0	0	0
40	4	0	8	0	0	0	0	0	0	0	0
20	2	0	4	2	0	0	0	0	0	0	0
20	2	0	4	0	4	0	0	0	0	0	0
12	3	2	4	0	0	2	2	0	0	0	0
28	1	-2	4	0	0	2	-1	0	0	0	0
10	1	0	2	2	2	0	0	2	0	0	0
10	1	0	2	0	2	0	0	0	2	0	0
2	2	2	2	0	2	2	2	0	0	2	0
1	1	1	1	1	1	1	1	1	1	1	1
	80 48 16 40 20 20 12 28 10 10 2	$\begin{array}{c cccc} & P_1 \\ \hline & P_1 \\ \hline & 1a & 3a \\ \hline & 80 & 8 \\ & 48 & 3 \\ & 16 & -2 \\ \hline & 40 & 4 \\ \hline & 20 & 2 \\ \hline & 20 & 2 \\ \hline & 12 & 3 \\ & 28 & 1 \\ \hline & 10 & 1 \\ \hline & 10 & 1 \\ \hline & 2 & 2 \\ \hline \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								

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\begin{array}{l} P_2 = Group([(1,8)(2,3)(4,7)(9,10)]) \cong C2 \\ P_3 = Group([(1,3,8,2)(4,10,7,9),(1,8)(2,3)(4,7)(9,10)]) \cong C4 \\ P_4 = Group([(1,9,8,10)(2,4,3,7),(1,8)(2,3)(4,7)(9,10)]) \cong C4 \\ P_5 = Group([(1,8)(2,3)(4,7)(9,10),(1,8)(2,7)(3,4)(5,6)]) \cong C2 \times C2 \\ P_6 = Group([(1,9,8,10)(2,4,3,7),(1,3,8,2)(4,10,7,9),(1,8)(2,3)(4,7)(9,10)]) \cong Q8 \\ P_7 = Group([(1,9,8,10)(2,4,3,7),(1,8)(2,3)(4,7)(9,10),(1,4,10,2,8,7,9,3)(5,6)]) \cong C8 \\ P_8 = Group([(1,9,8,10)(2,4,3,7),(1,8)(2,3)(4,7)(9,10),(1,8)(2,7)(3,4)(5,6)]) \cong D8 \\ P_9 = Group([(1,3,8,2)(4,10,7,9),(1,8)(2,3)(4,7)(9,10),(1,8)(2,7)(3,4)(5,6),(1,10,8,9)(2,7,3,4)]) \cong QD16 \end{array}
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\begin{split} N_1 &= Group([(2,3)(4,6)(5,7)(8,9),(1,2)(3,4,7,9,10,8,6,5)]) \cong \text{A6} . \text{ C2} \\ N_2 &= Group([(2,4)(3,7)(5,6)(9,10),(1,8)(2,3)(4,7)(9,10),(1,2,8,3)(4,9,7,10),(1,10,8,9)(2,7,3,4)]) \cong \text{QD16} \\ N_3 &= Group([(1,3,8,2)(4,10,7,9),(1,8)(2,3)(4,7)(9,10),(1,10,8,9)(2,7,3,4)]) \cong \text{Q8} \\ N_4 &= Group([(1,9,8,10)(2,4,3,7),(2,4)(3,7)(5,6)(9,10),(1,8)(2,3)(4,7)(9,10),(1,7,8,4)(2,9,3,10)]) \cong \text{QD16} \\ N_5 &= Group([(1,8)(2,3)(4,7)(9,10),(1,6)(3,4)(5,8)(9,10),(1,10)(4,7)(5,6)(8,9),(1,8)(2,7)(3,4)(5,6)]) \cong \text{S4} \\ N_6 &= Group([(1,9,8,10)(2,4,3,7),(2,4)(3,7)(5,6)(9,10),(1,3,8,2)(4,10,7,9),(1,8)(2,3)(4,7)(9,10)]) \cong \text{QD16} \\ N_7 &= Group([(1,9,8,10)(2,4,3,7),(2,4)(3,7)(5,6)(9,10),(1,8)(2,3)(4,7)(9,10),(1,4,10,2,8,7,9,3)(5,6)]) \cong \text{QD16} \\ N_8 &= Group([(1,9,8,10)(2,4,3,7),(2,4)(3,7)(5,6)(9,10),(1,8)(2,3)(4,7)(9,10),(1,7,10,3,8,4,9,2)(5,6),(1,8)(2,7)(3,4)(5,6)]) \cong \text{QD16} \\ N_8 &= Group([(1,9,8,10)(2,4,3,7),(2,4)(3,7)(5,6)(9,10),(1,8)(2,3)(4,7)(9,10),(1,7,10,3,8,4,9,2)(5,6),(1,8)(2,7)(3,4)(5,6)]) \cong \text{QD16} \\ N_9 &= Group([(1,9,8,10)(2,4,3,7),(2,4)(3,7)(3,4)(3,7)(5,6)(9,10),(1,8)(2,3)
```

 $N_9 = Group([(2,4)(3,7)(5,6)(9,10),(1,3,8,2)(4,10,7,9),(1,8)(2,3)(4,7)(9,10),(1,8)(2,7)(3,4)(5,6),(1,10,8,9)(2,7,3,4)]) \cong QD16$