The group G is isomorphic to the group labelled by [1080, 260] in the Small Groups library. Ordinary character table of $G \cong \mathbb{C}3$. A6:

	1a	2a	3a	3b	30	3d	4a	5a	5b	6a	6b	12a	12b	15a	15b	15c	15d
χ_1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
χ_2	3	-1	$3*E(3)^2$	3 * E(3)	0	0	1	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^{} 4$	-E(3)	$-E(3)^{} 2$	$E(3)^{} 2$	E(3)	$-E(15)^2 - E(15)^8$	$-E(15) - E(15)^4$	$-E(15)^{}11 - E(15)^{}14$	$-E(15)^{}7 - E(15)^{}13$
χ_3	3	-1	3 * E(3)	$3*E(3)^2$	0	0	1	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^4$	$-E(3)^2$	-E(3)	E(3)	$E(3)^{} 2$	$-E(15)^{}7 - E(15)^{}13$	$-E(15)^{}11 - E(15)^{}14$	$-E(15) - E(15)^{} 4$	$-E(15)^2 - E(15)^8$
χ_4	3	-1	$3*E(3)^2$	3 * E(3)	0	0	1	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	-E(3)	$-E(3)^{} 2$	$E(3)^{} 2$	E(3)	$-E(15)^{}11 - E(15)^{}14$	$-E(15)^{}7 - E(15)^{}13$	$-E(15)^2 - E(15)^8$	$-E(15) - E(15)^4$
χ_5	3	-1	3 * E(3)	$3*E(3)^2$	0	0	1	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	$-E(3)^{} 2$	-E(3)	E(3)	$E(3)^{} 2$	$-E(15) - E(15)^{} 4$	$-E(15)^2 - E(15)^8$	$-E(15)^{}7 - E(15)^{}13$	$-E(15)^{}11 - E(15)^{}14$
χ_6	5	1	5	5	-1	. 2	-1	0	0	1	1	-1	-1	0	0	0	0
χ_7	5	1	5	5	2	-1	-1	0	0	1	1	-1	-1	0	0	0	0
χ_8	6	2	$6*E(3)^2$	6 * E(3)	0	0	0	1	1	2 * E(3)	$2 * E(3)^2$	0	0	E(3)	$E(3)^{} 2$	E(3)	$E(3)^{} 2$
χ_9	6	2	6 * E(3)	$6*E(3)^2$	0	0	0	1	1	$2*E(3)^2$	2 * E(3)	0	0	$E(3)^{} 2$	E(3)	$E(3)^{} 2$	E(3)
χ_{10}		0	8	8	-1	1	0	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^{} 4$	0	0	0	0	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^{} 4$
χ_{11}		0	8	8	-1	1	0	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	0	0	0	0	$-E(5)^2 2 - E(5)^3$	$-E(5) - E(5)^{} 4$	$-E(5) - E(5)^{} 4$	$-E(5)^{} 2 - E(5)^{} 3$
χ_{12}		1	9	9	0	0	1	-1	-1	1	1	1	1	-1	-1	-1	-1
χ_{13}	9	1	$9*E(3)^2$	9 * E(3)	0	0	1	-1	-1	E(3)	$E(3)^{} 2$	$E(3)^{} 2$	E(3)	-E(3)	$-E(3)^{} 2$	-E(3)	$-E(3)^{} 2$
χ_{14}		1	9 * E(3)	$9*E(3)^2$	0	0	1	-1	-1	$E(3)^{} 2$	E(3)	E(3)	$E(3)^{} 2$	$-E(3)^{} 2$	-E(3)	$-E(3)\hat{}2$	$-\dot{E}(3)$
χ_{15}		-2	10	10	1	1	0	0	0	-2	-2	0	0	0	0	0	0
			$15 * E(3)^2$	15 * E(3)	0	0	-1	0	0	-E(3)	$-E(3)^2$	$-E(3)^2$	-E(3)	0	0	0	0
				$15 * E(3)^{} 2$	0	0	-1	0	0	$-E(3)^{}$ 2	$-\dot{E}(3)$	-E(3)	$-E(3)^{} 2$	0	0	0	0

Trivial source character table of $G\cong C3$. A6 at p=3

Initial source character table of $G \cong C3$. As at $p = 3$																		
$Normalisers N_i$			N_1				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	2a 4a	5a	5b	1a	2a 4a	5b	5a							1a 2a	a = 4a	4a	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 2 \cdot \chi_8 + 2 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17}$	81	9 -3	6	6	0	0 0	0	0	0 () 0	0	0 (- 1		0 0	0	0	
$ \left \ 0 \cdot \chi_1 + 1 \cdot \chi_2 + 1 \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 + 1 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} \right $	54	-6 0	$-3*E(5)^2 - 3*E(5)^3$	$-3*E(5) - 3*E(5)^4$	0	0 0	0	0	0 (0 0	0	0 ($0 \mid 0$	0	0 0) 0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17}$	54	-6 0	$-3*E(5) - 3*E(5)^4$	$-3*E(5)^2 - 3*E(5)^3$	0	0 0	0	0	0 () 0	0	0 ($0 \mid 0$	0	0 0) 0	0	
	108	0 -6	3	3	_	0 0	0	0	0 () 0	0	0 ($0 \mid 0$	0	0 0) 0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	27	3 3	-3	-3	0	0 0	0	0	0 (0 0	0	0 (0 0	0	0 0) 0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	27	3 -1	2	2	27	3 -1	2	2	0 0	0 0	0	0 (0 0	~	0 0	0	0	
	18	-2 0	$-E(5)^2 2 - E(5)^3$	$-E(5) - E(5)^{} 4$	18	-2 0		$-E(5)^2 - E(5)^3$	0 0) 0	0	0 ($0 \mid 0$	0	0 0) 0	0	
	18	-2 0	$-E(5) - E(5)^{} 4$	$-E(5)^2 - E(5)^3$	18	-2 0	$-E(5)^2 - E(5)^3$	$-E(5) - E(5)^{} 4$	0 0	0 0	0	0 ($0 \mid 0$	0	0 0) 0	0	
	36	0 -2	1	1	36	0 -2	1	1	0 0) 0	0	0 (0 0) 0	0	
	9	1 1	-1	-1	9	1 1	-1	-1	0 (0 0	0	0 ($0 \mid 0$	0	0 0) 0	0	
$\boxed{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}}$	18	6 0	3	3	0	0 0	0	0	3 :	3 0	0	0 (0 0	~	0 0		0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17}$	45	-3 -3	0	0	0	0 0	0	0	3 -	$3 \mid 0$	0	0 ($0 \mid 0$	0	0 0) 0	0	
$\boxed{1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}}$	18	6 0	3	3	0	0 0	0	0	0 0) 3	3	0 (0 0	0	0 0	0	0	
	45	-3 -3	0	0	0	0 0	0	0	0 () 3	-3	0 ($0 \mid 0$	0	0 0) 0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	6	2 0	1	1	6	2 0	1	1	3 1	1 0	0	3	1 0	0	0 0	0	0	
	15	-1 -1	0	0	15	-1 -1	0	0	3 -	$\cdot 1 \mid 0$	0	3 -	-1 0	0	0 0) 0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	6	2 0	1	1	6	2 0	1	1	0 0) 3	1	0 (0 3	1	0 0	0	0	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	15	-1 -1	0	0	15	-1 -1	0	0	0 0) 3	-1	0 ($0 \mid 3$	-1	0 0) 0	0	
$1 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	1	1 1	1	1	1	1 1	1	1	1 1	i 1	1	1	1 1	1	$\overline{1}$ 1	<u>.</u> 1	1	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$	10	2 -2	0	0	10	2 -2	0	0	1 .1	ι 1	1 '	1 .	1 1	1	1 1	<i>ι</i> –1	-1	
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$			0	0	10	-2 0	0	0	1 -	-1 1	-1	1 -	-1 1	-1	1 -	-1 $-E(4)$	E(4))
$0 \cdot \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \cdot \chi_7 + 0 \cdot \chi_8 + 0 \cdot \chi_9 + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17}$			0	0	10	-2 0	0	0	1 -	-1 1	-1	1 -	-1 1	-1	1 -	-1 $E(4)$	-E(4)	4)
																		_

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

 $P_2 = Group([(1,5,3)(2,9,8)(4,12,10)(6,7,13)(11,16,14)(15,18,17)]) \cong C3$

 $P_3 = Group([(1, 9, 6)(2, 13, 3)(4, 12, 10)(5, 8, 7)(15, 17, 18)]) \cong C3$

 $P_4 = Group([(1,9,7)(2,6,3)(4,11,15)(5,8,13)(10,14,17)(12,16,18)]) \cong C3$

 $P_5 = Group([(1,5,3)(2,9,8)(4,12,10)(6,7,13)(11,16,14)(15,18,17),(2,9,8)(4,11,18)(6,13,7)(10,14,15)(12,16,17)]) \cong C3 \times C3$

 $P_6 = Group([(1,5,3)(2,9,8)(4,12,10)(6,7,13)(11,16,14)(15,18,17),(1,9,7)(2,6,3)(4,11,15)(5,8,13)(10,14,17)(12,16,18)]) \cong C3 \times C3$

 $P_7 = Group([(2,9,8)(4,11,18)(6,13,7)(10,14,15)(12,16,17),(1,9,6)(2,13,3)(4,12,10)(5,8,7)(15,17,18)]) \cong (C3 \times C3) : C3 \times C3$

 $N_1 = Group([(1,2,7,4)(3,8,6,10)(5,9,13,12)(11,15)(14,17)(16,18),(2,6)(4,11)(7,9)(8,13)(10,14)(12,16)]) \cong \mathbf{C3} . \ \mathbf{A6} = \mathbf{C3} = \mathbf{C3} . \ \mathbf{A6} = \mathbf{C3$

 $N_2 = Group([(1, 2, 7, 4)(3, 8, 6, 10)(5, 9, 13, 12)(11, 15)(14, 17)(16, 18), (2, 6)(4, 11)(7, 9)(8, 13)(10, 14)(12, 16)]) \cong C3$. A6

 $N_3 = Group([(1,5,3)(2,6,8,13,9,7)(4,17,10,18,12,15)(11,16,14),(2,13)(4,18)(6,9)(7,8)(10,15)(12,17),(1,9,6)(2,13,3)(4,12,10)(5,8,7)(15,17,18)]) \cong \mathbf{C3} \times \mathbf{S3}$

 $N_4 = Group([(1,5,3)(2,9,8)(4,12,10)(6,7,13)(11,16,14)(15,18,17),(2,6)(4,11)(7,9)(8,13)(10,14)(12,16),(1,9,7)(2,6,3)(4,11,15)(5,8,13)(10,14,17)(12,16,18)]) \cong C3 \times S3$

 $N_5 = Group([(1,5,3)(2,9,8)(4,12,10)(6,7,13)(11,16,14)(15,18,17),(2,7)(6,8)(9,13)(11,18)(14,15)(16,17),(2,9,8)(4,11,18)(6,13,7)(10,14,15)(12,16,17),(1,7,2)(3,6,8)(5,13,9)(11,16,14)(15,17,18)]) \cong ((C3 \times C3) : C3) : C3) : C4)$

 $N_6 = Group([(1,5,3)(2,9,8)(4,12,10)(6,7,13)(11,16,14)(15,18,17),(2,7)(6,8)(9,13)(11,18)(14,15)(16,17),(2,13)(4,18)(6,9)(7,8)(10,15)(12,17),(1,9,7)(2,6,3)(4,11,15)(5,8,13)(10,14,17)(12,16,18)]) \cong ((C3 \times C3) : C4) :$