| is isomorphic to the group labelled by $[81, 14]$ in the Small Groups library. racter table of $G \cong (C9 \times C3)$: C3: | |
|--|---|
| | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |
| character table of $G\cong (\text{C9 x C3}): \text{C3 at } p=3:$ N_i of G up to conjugacy in G | $egin{array}{c c c c c c c c c c c c c c c c c c c $ |
| $ \begin{array}{l} \text{ives } n_j \in N_i \\ 2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{25} + 1 \cdot \chi_{26} + 1 \cdot \chi_{27} + 3 \cdot \chi_{28} + 3 \cdot \chi_{29} + 3 \cdot \chi_{30} + 3 \cdot \chi_{31} + 3 \cdot \chi_{32} + 3 \cdot \chi_{33} \\ 2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + 1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7 + 1 \cdot \chi_8 + 1 \cdot \chi_9 + 1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 1 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1 \cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{20} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 1 \cdot \chi_{22} + 1 \cdot \chi_{23} + 1 \cdot \chi_{26} + 1 \cdot \chi_{27} + 0 \cdot \chi_{28} + 0 \cdot \chi_{29} + 0 \cdot \chi_{30} + 0 \cdot \chi_{31} + 0 \cdot \chi_{32} + 0 \cdot \chi_{32} \\ 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} + 1 \cdot \chi_{11} + 1 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 1 \cdot \chi_{20} + 1 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{25} + 0 \cdot \chi_{26} + 0 \cdot \chi_{27} + 1 \cdot \chi_{28} + 1 \cdot \chi_{30} + 1 \cdot \chi_{31} + 1 \cdot \chi_{32} + 1 \cdot \chi_{32} + 1 \cdot \chi_{31} + 0 \cdot \chi_{31} + 0$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ |
| 2 1 1 1 1 1 2 1 1 2 1 1 | 9 9 9 9 0 |
| (1,5,15)(2,9,24)(3,12,29)(4,14,31)(6,18,37)(7,21,42)(8,23,44)(10,26,47)(11,28,49)(13,30,50)(16,34,55)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,7)(11,54,10)(11,5 | |
| $ \begin{array}{l} (1,5,15)(2,9,24)(3,12,29)(4,14,31)(6,18,37)(7,21,42)(8,23,44)(10,26,47)(11,28,49)(13,30,50)(16,34,55)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15,15)(2,9,24)(3,12,29)(4,14,31)(6,18,37)(7,21,42)(8,23,44)(10,26,47)(11,28,49)(13,30,50)(16,34,55)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15,15)(2,9,24)(3,12,29)(4,14,31)(6,18,37)(7,21,42)(8,23,44)(10,26,47)(11,28,49)(13,30,50)(16,34,55)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15,15)(2,9,24)(3,12,29)(4,14,31)(6,18,37)(7,21,42)(8,23,44)(10,26,47)(11,28,49)(13,30,50)(16,34,55)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(32,52,69)(33,54,71)(35,56,72)(38,59,74)(40,61,75)(45,64,76)(51,68,78)(53,70,79)(58,73,80)(67,15)(17,36,57)(19,39,60)(20,41,62)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(22,43,63)(25,46,65)(27,48,66)(27,48,66)(27,48,66)(27,48,66)(27$ | 81), (1, 27, 46, 15, 66, 25, 5, 48, 65), (2, 40, 59, 24, 75, 38, 9, 61, 74), (3, 45, 14, 29, 76, 4, 12, 34, 50), (3, 49, 77, 57), (19, 22, 41, 60, 63, 20, 39, 43, 62), (32, 35, 54, 69, 72, 38, 52, 56, 71), (19, 81, 65, 60, 77, 46, 39, 67, 25), (32, 76, 74, 69, 64, 59, 52, 46, 39), (32, 35, 54, 69, 72, 38, 59, 61, 74), (34, 57, 42, 47, 57, 54), (6, 13, 23, 37, 50, 81, 83, 44), (7, 70, 11, 24, 53, 49, 21, 79, 52), (16, 48, 20, 55, 27, 62, 34, 66, 41), (19, 81, 65, 60, 77, 46, 39, 67, 25), (32, 76, 74, 69, 64, 59, 52, 45, 38), (16, 48, 20, 55, 54, 69, 72, 38, 54, 69, 72, 51, 69, 74, 69, 64, 59, 52, 44, 59, 56, 51, 74, 79, 79, 79, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14 |

 $C9 \times C3 = Group([(1,21,32)(2,34,10)(3,64,25)(6,42,5)(6,42,5)(6,43,5)(14,35,14,30,1$

 $\{6, 6, 7, 7, 7, 1, 7,$ 3, 5, 5, 7, 7, 1