1 <i>a</i>	27a	27b	9a
1	1	1	1
1	E(3)	$E(3)^{2}$	1
1	$E(3)^{2}$	E(3)	1
1	1	1	1
1	E(3)	$E(3)^{2}$	1
1	$E(3)^2$	E(3)	1
$\begin{array}{ c c c } 1 \\ 1 \end{array}$	1	ì	1
1	E(3)	$E(3)^{2}$	1
1	$E(3)^{2}$	E(3)	1
) 1	$-E(9)^{4} - E(9)^{7}$	$E(9)^{2}$	E(3)

 $F_7 = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30),(1,2,3)]) \cong C3 \times C3$ 

 $N_1 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_2 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_3 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_4 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_5 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_6 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_7 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_8 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_9 = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{10} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{11} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{12} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{13} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{13} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{13} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{14} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{14} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27 \times C3$   $N_{14} = Group([(1,2,3),(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30$ 

 $P_8 = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (1,2,3)(4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30)]) \cong C9$   $P_9 = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (1,2,3)(4,10,16,22,28,7,13,19,25)(5,11,17,23,29,8,14,20,26)(6,12,18,24,30,9,15,21,27)]) \cong C9$ 

 $P_{11} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (1,2,3)]) \cong \mathbf{C9} \times \mathbf{C3}$ 

1	$-E(9)^2 - E(9)^5$	$E(9)^7$	$E(3)^2$	$E(9)^5$	$E(9)^4$	E(3)	$E(9)^2$	$-E(9)^4 - E(9)^7$	1	$-E(9)^2 - E(9)^5$	$E(9)^7$	$E(3)^2$	$E(9)^5$	I
1	$-E(27)^{10} - E(27)^{19}$ $E(27)^{10}$	$-E(27)^{11} - E(27)^{20}$ $E(27)^{20}$	$-E(9)^4 - E(9)^7 -E(9)^4 - E(9)^7$	$-E(27)^{13} - E(27)^{22}$ $E(27)^{13}$	$E(27)^5 - E(27)^5 - E(27)^{14}$	$E(9)^2  E(9)^2$	$E(27)^7 \ E(27)^{16}$	$E(27)^8 - E(27)^8 - E(27)^{17}$	E(3) E(3)	$E(27)^{10} \ E(27)^{19}$	$E(27)^{11} - E(27)^{11} - E(27)^{20}$	$E(9)^4  E(9)^4$	$E(27)^{13} \ E(27)^{22}$	E E
1	$E(27)^{19}$	$E(27)^{11}$	$-E(9)^4 - E(9)^7$	$E(27)^{22}$	$E(27)^{14}$	$E(9)^2$	$-E(27)^{7} - E(27)^{16}$	$E(27)^{17}$	E(3)	$-E(27)^{10} - E(27)^{19}$	$E(27)^{20}$	$E(9)^4$	$-E(27)^{13} - E(27)^{22}$	-E(27)
1	$-E(27)^{10} - E(27)^{19}$	$-E(27)^{11} - E(27)^{20}$	$-E(9)^4 - E(9)^7$	$-E(27)^{13} - E(27)^{22}$	$E(27)^5$	$E(9)^2$	$E(27)^7$	$E(27)^8$	E(3)	$E(27)^{10}$	$E(27)^{11}$	$E(9)^4$	$E(27)^{13}$	E
1	$E(27)^{10} \ E(27)^{19}$	$E(27)^{20} \ E(27)^{11}$	$-E(9)^4 - E(9)^7 -E(9)^4 - E(9)^7$	$E(27)^{13}  E(27)^{22}$	$-E(27)^5 - E(27)^{14}$ $E(27)^{14}$	$E(9)^2  E(9)^2$	$E(27)^{16} - E(27)^7 - E(27)^{16}$	$-E(27)^8 - E(27)^{17}$ $E(27)^{17}$	E(3) E(3)	$E(27)^{19} - E(27)^{10} - E(27)^{19}$	$-E(27)^{11} - E(27)^{20}$ $E(27)^{20}$	$E(9)^4  E(9)^4$	$E(27)^{22} - E(27)^{13} - E(27)^{22}$	-E(27)
1	$-E(27)^{10} - E(27)^{19}$	$-E(27)^{11} - E(27)^{20}$	$-E(9)^4 - E(9)^7$	$-E(27)^{13} - E(27)^{22}$	$E(27)^5$	$E(9)^2$	$E(27)^7$	$E(27)^8$	E(3)	$E(27)^{10}$	$E(27)^{11}$	$E(9)^4$	$E(27)^{13}$	$\frac{-E(21)}{E}$
1	$E(27)^{10}$	$E(27)^{20}$	$-E(9)^4 - E(9)^7$	$E(27)^{13}$	$-E(27)^{5} - E(27)^{14}$	$E(9)^{2}$	$E(27)^{16}$	$-E(27)^{8} - E(27)^{17}$	E(3)	$E(27)^{19}$	$-E(27)^{11} - E(27)^{20}$	$E(9)^4$	$E(27)^{22}$	E
1	$E(27)^{19}$	$E(27)^{11}$	$-E(9)^4 - E(9)^7$	$E(27)^{22}$	$E(27)^{14}$	$E(9)^2$	$-E(27)^7 - E(27)^{16}$	$E(27)^{17}$	E(3)	$-E(27)^{10} - E(27)^{19}$	$E(27)^{20}$	$E(9)^4$	$-E(27)^{13} - E(27)^{22}$	-E(27)
1	$-E(27)^{13} - E(27)^{22}$ $E(27)^{13}$	$E(27)^8 - E(27)^8 - E(27)^{17}$	$E(9)^4  E(9)^4$	$E(27)^{16} - E(27)^7 - E(27)^{16}$	$E(27)^{20} \ E(27)^{11}$	$-E(9)^2 - E(9)^5 -E(9)^2 - E(9)^5$	$-E(27)^{10} - E(27)^{19}$ $E(27)^{10}$	$E(27)^5 - E(27)^5 - E(27)^{14}$	E(3) E(3)	$E(27)^{13} \ E(27)^{22}$	$E(27)^{17}  E(27)^8$	$E(9)^7  E(9)^7$	$-E(27)^7 - E(27)^{16}$ $E(27)^7$	$-E(27)^{1}$
1	$E(27)^{22}$	$E(27)^{17}$	$E(9)^4$	$E(27)^7$	$-E(27)^{11} - E(27)^{20}$	$-E(9)^2 - E(9)^5$	$E(27)^{19}$	$E(27)^{14}$	E(3)	$-E(27)^{13} - E(27)^{22}$	$-E(27)^8 - E(27)^{17}$	$E(9)^{7}$	$E(27)^{16}$	E
1	$-E(27)^{13} - E(27)^{22}$	$E(27)^{8}$	$E(9)^{4}$	$E(27)^{16}$	$E(27)^{20}$	$-E(9)^2 - E(9)^5$	$-E(27)^{10} - E(27)^{19}$	$E(27)^{5}$	E(3)	$E(27)^{13}$	$E(27)^{17}$	$E(9)^{7}$	$-E(27)^{7} - E(27)^{16}$	$-E(27)^{1}$
1	$E(27)^{13}$	$-E(27)^8 - E(27)^{17}$	$E(9)^4$	$-E(27)^{7} - E(27)^{16}$	$E(27)^{11} - E(27)^{11} - E(27)^{20}$	$-E(9)^2 - E(9)^5$	$E(27)^{10} \ E(27)^{19}$	$-E(27)^5 - E(27)^{14}$	E(3)	$E(27)^{22} - E(27)^{13} - E(27)^{22}$	$E(27)^8 - E(27)^8 - E(27)^{17}$	$E(9)^{7}$	$E(27)^7$	E
1	$E(27)^{22} - E(27)^{13} - E(27)^{22}$	$E(27)^{17}$ $E(27)^{8}$	$E(9)^4  E(9)^4$	$E(27)^7  E(27)^{16}$	$E(27)^{20} - E(27)^{20}$	$-E(9)^2 - E(9)^5 -E(9)^2 - E(9)^5$	$-E(27)^{10} - E(27)^{19}$	$E(27)^{14}  E(27)^5$	E(3) E(3)	$E(27)^{13}$ $E(27)^{13}$	$E(27)^{17}$ $E(27)^{17}$	$E(9)^7  E(9)^7$	$E(27)^{16} - E(27)^7 - E(27)^{16}$	$-E(27)^{1}$
1	$E(27)^{13}$	$-E(27)^8 - E(27)^{17}$	$E(9)^4$	$-E(27)^7 - E(27)^{16}$	$E(27)^{11}$	$-E(9)^2 - E(9)^5$	$E(27)^{10}$	$-E(27)^5 - E(27)^{14}$	E(3)	$E(27)^{22}$	$E(27)^{8}$	$E(9)^{7}$	$E(27)^{7}$	E
1	$E(27)^{22}$	$E(27)^{17}$	$E(9)^4$	$E(27)^7$	$-E(27)^{11} - E(27)^{20}$	$-E(9)^2 - E(9)^5$	$E(27)^{19}$	$E(27)^{14}$	E(3)	$-E(27)^{13} - E(27)^{22}$	$-E(27)^8 - E(27)^{17}$	$E(9)^7$	$E(27)^{16}$	E
1	$E(27)^7  E(27)^{16}$	$E(27)^{14}  E(27)^5$	$E(9)^7  E(9)^7$	$-E(27)^{10} - E(27)^{19}$ $E(27)^{10}$	$E(27)^8 - E(27)^8 - E(27)^{17}$	$E(9)^5  E(9)^5$	$E(27)^{22} - E(27)^{13} - E(27)^{22}$	$-E(27)^{11} - E(27)^{20}$ $E(27)^{20}$	E(3) E(3)	$E(27)^{16} - E(27)^7 - E(27)^{16}$	$-E(27)^5 - E(27)^{14}$ $E(27)^{14}$	$-E(9)^4 - E(9)^7 -E(9)^4 - E(9)^7$	$E(27)^{10} \ E(27)^{19}$	E F
1	$-E(27)^7 - E(27)^{16}$	$-E(27)^5 - E(27)^{14}$	$E(9)^{7}$	$E(27)^{19}$	$E(27)^{17}$	$E(9)^5$	$E(27)^{13}$	$E(27)^{11}$	E(3)	$E(27)^7$	$E(27)^5$	$-E(9)^4 - E(9)^7$	$-E(27)^{10} - E(27)^{19}$	-E(27)
1	$E(27)^{7}$	$E(27)^{14}$	$E(9)^{7}$	$-E(27)^{10} - E(27)^{19}$	$E(27)^{8}$	$E(9)^{5}$	$E(27)^{22}$	$-E(27)^{11} - E(27)^{20}$	E(3)	$E(27)^{16}$	$-E(27)^{5} - E(27)^{14}$	$-E(9)^4 - E(9)^7$	$E(27)^{10}$	$\stackrel{\cdot}{E}$
1	$E(27)^{16}$	$E(27)^5$	$E(9)^{7}$	$E(27)^{10}  E(27)^{19}$	$-E(27)^8 - E(27)^{17}$	$E(9)^5$	$-E(27)^{13} - E(27)^{22}$ $E(27)^{13}$	$E(27)^{20}$	E(3)	$-E(27)^7 - E(27)^{16}$	$E(27)^{14}$	$-E(9)^4 - E(9)^7$	$E(27)^{19} - E(27)^{10} - E(27)^{19}$	E(07)
1	$-E(27)^7 - E(27)^{16}$ $E(27)^7$	$-E(27)^5 - E(27)^{14}$ $E(27)^{14}$	$E(9)^7  E(9)^7$	$-E(27)^{10} - E(27)^{19}$	$E(27)^{17}  E(27)^8$	$E(9)^5  E(9)^5$	$E(27)^{22}$	$E(27)^{11} - E(27)^{11} - E(27)^{20}$	E(3) E(3)	$E(27)^7  E(27)^{16}$	$E(27)^5 - E(27)^5 - E(27)^{14}$	$-E(9)^4 - E(9)^7 -E(9)^4 - E(9)^7$	$E(27)^{10}$ $E(27)^{10}$	-E(27)
1	$E(27)^{16}$	$E(27)^5$	$E(9)^{7}$	$E(27)^{10}$	$-E(27)^8 - E(27)^{17}$	$E(9)^{5}$	$-E(27)^{13} - E(27)^{22}$	$E(27)^{20}$	E(3)	$-E(27)^7 - E(27)^{16}$	$E(27)^{14}$	$-E(9)^4 - E(9)^7$	$E(27)^{19}$	E
1	$-E(27)^7 - E(27)^{16}$	$-E(27)^5 - E(27)^{14}$	$E(9)^{7}$	$E(27)^{19}$	$E(27)^{17}$	$E(9)^{5}$	$E(27)^{13}$	$E(27)^{11}$	E(3)	$E(27)^7$	$E(27)^5$	$-E(9)^4 - E(9)^7$	$-E(27)^{10} - E(27)^{19}$	-E(27)
1 1	$-E(27)^{11} - E(27)^{20}$ $E(27)^{11}$	$-E(27)^{13} - E(27)^{22}$ $E(27)^{22}$	$E(9)^2  E(9)^2$	$E(27)^8  E(27)^{17}$	$E(27)^{10} - E(27)^{10} - E(27)^{19}$	$E(9)^4  E(9)^4$	$E(27)^{14} - E(27)^5 - E(27)^{14}$	$E(27)^{16} \ E(27)^7$	$E(3)^2$ $E(3)^2$	$E(27)^{20} - E(27)^{11} - E(27)^{20}$	$E(27)^{22}$ $E(27)^{13}$	$-E(9)^2 - E(9)^5$ $-E(9)^2 - E(9)^5$	$-E(27)^8 - E(27)^{17}$ $E(27)^8$	$-E(27)^{1}$
1	$E(27)^{20}$	$E(27)^{13}$	$E(9)^2$	$-E(27)^8 - E(27)^{17}$	$E(27)^{19}$	$E(9)^4$	$E(27)^5$	$-E(27)^7 - E(27)^{16}$	$E(3)^2$	$E(27)^{11}$	$-E(27)^{13} - E(27)^{22}$	$-E(9)^2 - E(9)^5$	$E(27)^{17}$	E
1	$-E(27)^{11} - E(27)^{20}$	$-E(27)^{13} - E(27)^{22}$	$E(9)^{2}$	$E(27)^{8}$	$E(27)^{10}$	$E(9)^4$	$E(27)^{14}$	$E(27)^{16}$	$E(3)^{2}$	$E(27)^{20}$	$E(27)^{22}$	$-E(9)^{2} - E(9)^{5}$	$-E(27)^{8} - E(27)^{17}$	$-E(27)^{1}$
1	$E(27)^{11}$ $E(27)^{20}$	$E(27)^{22}  E(27)^{13}$	$E(9)^2$	$E(27)^{17} - E(27)^8 - E(27)^{17}$	$-E(27)^{10} - E(27)^{19}$ $E(27)^{19}$	$E(9)^4$	$-E(27)^5 - E(27)^{14}$	$E(27)^7 - E(27)^7 - E(27)^{16}$	$E(3)^2$	$-E(27)^{11} - E(27)^{20}$	$E(27)^{13} - E(27)^{13} - E(27)^{22}$	$-E(9)^2 - E(9)^5$ $-E(9)^2 - E(9)^5$	$E(27)^8  E(27)^{17}$	E
1	$-E(27)^{11} - E(27)^{20}$	$-E(27)^{13} - E(27)^{22}$	$E(9)^2  E(9)^2$	$E(27)^8 - E(27)^8$	$E(27)^{10}$	$E(9)^4  E(9)^4$	$E(27)^5 \ E(27)^{14}$	$E(27)^{16}$	$E(3)^2  E(3)^2$	$E(27)^{11}$ $E(27)^{20}$	$E(27)^{22}$	$-E(9) - E(9)^{5}$ $-E(9)^{2} - E(9)^{5}$	$-E(27)^8 - E(27)^{17}$	$-E(27)^{1}$
1	$E(27)^{11}$	$E(27)^{22}$	$E(9)^{2}$	$E(27)^{17}$	$-E(27)^{10} - E(27)^{19}$	$E(9)^4$	$-E(27)^{\dot{5}} - E(27)^{14}$	$E(27)^{7}$	$E(3)^2$	$-E(27)^{11} - E(27)^{20}$	$E(27)^{13}$	$-E(9)^2 - E(9)^5$	$E(27)^{8}$	E
1	$E(27)^{20}$	$E(27)^{13}$	$E(9)^2$	$-E(27)^{8} - E(27)^{17}$	$E(27)^{19}$	$E(9)^4$	$E(27)^5$	$-E(27)^7 - E(27)^{16}$	$E(3)^2$	$E(27)^{11}$	$-E(27)^{13} - E(27)^{22}$	$-E(9)^2 - E(9)^5$	$E(27)^{17}$	E
1	$E(27)^5 \ E(27)^{14}$	$E(27)^{10} - E(27)^{10} - E(27)^{19}$	$E(9)^5  E(9)^5$	$E(27)^{20}$ $-E(27)^{11} - E(27)^{20}$	$-E(27)^7 - E(27)^{16}$ $E(27)^{16}$	$-E(9)^4 - E(9)^7 -E(9)^4 - E(9)^7$	$E(27)^8  E(27)^{17}$	$E(27)^{13}$ $-E(27)^{13} - E(27)^{22}$	$E(3)^2$ $E(3)^2$	$-E(27)^5 - E(27)^{14}$ $E(27)^5$	$-E(27)^{10} - E(27)^{19}$ $E(27)^{19}$	$E(9)^2  E(9)^2$	$E(27)^{11} \ E(27)^{20}$	E F
1	$-E(27)^5 - E(27)^{14}$	$E(27)^{19}$	$E(9)^5$	$E(27)^{11}$	$E(27)^7$	$-E(9)^4 - E(9)^7$	$-E(27)^8 - E(27)^{17}$	$E(27)^{22}$	$E(3)^2$	$E(27)^{14}$	$E(27)^{10}$	$E(9)^2$	$-E(27)^{11} - E(27)^{20}$	-E(27)
1	$E(27)^5$	$E(27)^{10}$	$E(9)^{5}$	$E(27)^{20}$	$-E(27)^7 - E(27)^{16}$	$-E(9)^4 - E(9)^7$	$E(27)^8$	$E(27)^{13}$	$E(3)^{2}$	$-E(27)^5 - E(27)^{14}$	$-E(27)^{10} - E(27)^{19}$	$E(9)^2$	$E(27)^{11}$	E
1	$E(27)^{14} - E(27)^5 - E(27)^{14}$	$-E(27)^{10} - E(27)^{19}$ $E(27)^{19}$	$E(9)^5  E(9)^5$	$-E(27)^{11} - E(27)^{20}$ $E(27)^{11}$	$E(27)^{16}  E(27)^7$	$-E(9)^4 - E(9)^7 -E(9)^4 - E(9)^7$	$E(27)^{17} - E(27)^8 - E(27)^{17}$	$-E(27)^{13} - E(27)^{22}$ $E(27)^{22}$	$E(3)^2$ $E(3)^2$	$E(27)^5  E(27)^{14}$	$E(27)^{19}  E(27)^{10}$	$E(9)^2  E(9)^2$	$E(27)^{20} - E(27)^{11} - E(27)^{20}$	-E(27)
1	$E(27)^5$	$E(27)^{10}$	$E(9)^5$	$E(27)^{20}$	$-E(27)^7 - E(27)^{16}$	$-E(9)^4 - E(9)^7$	$E(27)^{8}$	$E(27)^{13}$	$E(3)^2$	$-E(27)^5 - E(27)^{14}$	$-E(27)^{10} - E(27)^{19}$	$E(9)^2$	$E(27)^{11}$	E(21)
1	$E(27)^{14}$	$-E(27)^{10} - E(27)^{19}$	$E(9)^5$	$-E(27)^{11} - E(27)^{20}$	$E(27)^{16}$	$-E(9)^4 - E(9)^7$	$E(27)^{17}$	$-E(27)^{13} - E(27)^{22}$	$E(3)^2$	$E(27)^5$	$E(27)^{19}$	$E(9)^2$	$E(27)^{20}$	E
1	$-E(27)^5 - E(27)^{14}$	$E(27)^{19} \ E(27)^{16}$	$E(9)^5$ - $E(9)^2 - E(9)^5$	$E(27)^{11}  E(27)^5$	$E(27)^7 \\ E(27)^{13}$	$-E(9)^4 - E(9)^7$	$-E(27)^8 - E(27)^{17} -E(27)^{11} - E(27)^{20}$	$E(27)^{22}  E(27)^{10}$	$E(3)^2$ $E(3)^2$	$E(27)^{14} - E(27)^8 - E(27)^{17}$	$E(27)^{10}  E(27)^7$	$E(9)^2  E(9)^5$	$-E(27)^{11} - E(27)^{20}$	-E(27)
1	$E(27)^8  E(27)^{17}$	$E(27)^{7}$	$-E(9)^{2} - E(9)^{3}$ $-E(9)^{2} - E(9)^{5}$	$E(27)^{3}$ $E(27)^{14}$	$-E(27)^{13} - E(27)^{22}$	$E(9)^{7} \ E(9)^{7}$	$E(27)^{11}$	$-E(27)^{10} - E(27)^{19}$	$E(3)^{2}$	$E(27)^8$	$-E(27)^7 - E(27)^{16}$	$E(9)^{5}$ $E(9)^{5}$	$-E(27)^5 - E(27)^{14}$ $E(27)^5$	$-E(27)^{1}$
1	$-E(27)^{8} - E(27)^{17}$	$-E(27)^{7} - E(27)^{16}$	$-E(9)^2 - E(9)^5$	$-E(27)^{5} - E(27)^{14}$	$E(27)^{22}$	$E(9)^7$	$E(27)^{20}$	$E(27)^{19}$	$E(3)^2$	$E(27)^{17}$	$E(27)^{16}$	$E(9)^5$	$E(27)^{14}$	E
1	$E(27)^8$	$E(27)^{16}$	$-E(9)^2 - E(9)^5$	$E(27)^5$	$E(27)^{13}$	$E(9)^{7}$	$-E(27)^{11} - E(27)^{20}$	$E(27)^{10}$	$E(3)^2$	$-E(27)^8 - E(27)^{17}$	$E(27)^7$	$E(9)^{5}$	$-E(27)^5 - E(27)^{14}$	$-E(27)^{1}$
1	$E(27)^{17}$ $-E(27)^8 - E(27)^{17}$	$E(27)^7 - E(27)^7 - E(27)^{16}$	$-E(9)^2 - E(9)^5$ $-E(9)^2 - E(9)^5$	$E(27)^{14} - E(27)^5 - E(27)^{14}$	$-E(27)^{13} - E(27)^{22}$ $E(27)^{22}$	$E(9)^7  E(9)^7$	$E(27)^{11}  E(27)^{20}$	$-E(27)^{10} - E(27)^{19}$ $E(27)^{19}$	$E(3)^2$ $E(3)^2$	$E(27)^8  E(27)^{17}$	$-E(27)^{7} - E(27)^{16}$ $E(27)^{16}$	$E(9)^5  E(9)^5$	$E(27)^5  E(27)^{14}$	E E
1	$E(27)^{8}$	$E(27)^{16}$	$-E(9)^2 - E(9)^5$	$E(27)^5$	$E(27)^{13}$	$E(9)^{7}$	$-E(27)^{11} - E(27)^{20}$	$E(27)^{10}$	$E(3)^2$	$-E(27)^8 - E(27)^{17}$	$E(27)^7$	$E(9)^5$	$-E(27)^5 - E(27)^{14}$	$-E(27)^{1}$
1	$E(27)^{17}$	$E(27)^7$	$-E(9)^2 - E(9)^5$	$E(27)^{14}$	$-E(27)^{13} - E(27)^{22}$	$E(9)^{7}$	$E(27)^{11}$	$-E(27)^{10} - E(27)^{19}$	$E(3)^2$	$E(27)^8$	$-E(27)^7 - E(27)^{16}$	$E(9)^{5}$	$E(27)^5$	E
1	$-E(27)^8 - E(27)^{17}$	$-E(27)^7 - E(27)^{16}$	$-E(9)^2 - E(9)^5$	$-E(27)^5 - E(27)^{14}$	$E(27)^{22}$	$E(9)^7$	$E(27)^{20}$	$E(27)^{19}$	$E(3)^2$	$E(27)^{17}$	$E(27)^{16}$	$E(9)^5$	$E(27)^{14}$	<u>E</u>
al so	urce character table of (	$G \cong C27 \times C3 \text{ at } p =$	3:											
	$\frac{1}{N_i}$	• •												
	oups of $G$ up to conjugate $n_i \in N_i$	cy in G												
	$\frac{1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + \dots}{1 \cdot \chi_2 + \dots + $	$1 \cdot \chi_5 + 1 \cdot \chi_6 + 1 \cdot \chi_7$	$+1\cdot\chi_8+1\cdot\chi_9+1$	$1 \cdot \chi_{10} + 1 \cdot \chi_{11} + 1 \cdot \chi_1$	$\frac{1}{2+1\cdot\chi_{13}+1\cdot\chi_{14}+1}$	$1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 1$	$\frac{}{\cdot \chi_{17} + 1 \cdot \chi_{18} + 1 \cdot \chi_{19}}$	$\frac{1}{9+1\cdot\chi_{20}+1\cdot\chi_{21}+1}$	$1 \cdot \chi_{22} + 1$	$1 \cdot \chi_{23} + 1 \cdot \chi_{24} + 1 \cdot \chi_{2}$	$\frac{1}{25+1\cdot\chi_{26}+1\cdot\chi_{27}+1}$	$1 \cdot \chi_{28} + 1 \cdot \chi_{29} + 1$	$\frac{1}{\chi_{30} + 1 \cdot \chi_{31} + 1 \cdot \chi_{32}}$	$\frac{1}{2+1\cdot\chi_{33}}$
	$1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + \dots$													
	$\frac{1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 +}{1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 +}$													
	$\frac{1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 +}{1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 +}$													
	$\frac{\chi_2 + \chi_3 + \chi_4 + \chi_4}{1 \cdot \chi_2 + 1 \cdot \chi_3 + 1 \cdot \chi_4 + \dots}$													
	$1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + \dots$													
	$\frac{1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 +}{1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 +}$													
	$0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \cdot \chi_4 + $													
	$1 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + \dots$													
	$0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + $													
	$0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 0 \cdot \chi_4 + 0 \cdot $													
I	~ 12 · ~ 13 · ~ 14 ·	~ 10 1 0 10 X7	· ~ 10 · ~ 19 · ·	~ 110 1 ~ 111 1 0 XI	Δ · · · · · · · · · · · · · · · · · · ·	~ 110 + 0 VID + 0	λ11 + \( \lambda \) \( \lambd	$\sigma$ + $\sim$ $\Lambda$ 20 + $\circ$ $\Lambda$ 21 + $\circ$	~ \(\lambda 22 \) \(\lambda \)	$\sim$ $\chi_{23}$   $\sim$ $\chi_{24}$   $\sim$ $\chi_{2}$	20 1 V 1/20 1 V 1/27 1	~ 1/20 1 V 1/29 1 C	1,30 + ○ 1,31 + ○ 1,32	∠ + ♥ 1 <b>3</b> 33
~	([()])													
	$up([()]) \cong 1$ up([(4,13,22)(5,14,23)(	6 15 94\(7 16 95\(8 )	17 26\(0 18 27\(10	19 28\(11 20 20\(12 9	$(21, 30)]) \simeq C3$									
Gro	$up([(4,13,22)(5,14,23)(9)]) \cong C3$	(0, 10, 24)(1, 10, 20)(0, .	11, 20)(3, 10, 21)(10	, 10, 20,(11, 20, 29)(12, 2	21,00)]) — 03									
$Group([(1,2,3)(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30)]) \cong C3$ $Group([(1,2,3)(4,22,13)(5,23,14)(6,24,15)(7,25,16)(8,26,17)(9,27,18)(10,28,19)(11,29,20)(12,30,21)]) \cong C3$														
	up([(1,2,3)(4,22,13)(5, up([(4,13,22)(5,14,23)(					10 22 25 20//5 0	11 17 17 20 22 2 <i>6</i> 20)	)(6 0 19 15 10 91 9 <i>4</i>	27 2011	$\simeq C0$				
~ 0	$\omega_{P([(\Xi, \Xi 0, 22)(0, 14, 23)($	(0, 10, 21)(1, 10, 20)(0,	., 20)(0, 10, 21)(10	, 10, 20, (11, 20, 29)(12,	21,007, (4,1,10,10,10,	10, 22, 20, 20)(0, 0,	,, 11, 20, 20, 20, 29	f(0, 0, 12, 10, 10, 21, 24,	21,30)])	_ 0				

 $P_{10} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$ 

 $P_{12} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (1,2,3)(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$   $P_{13} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (1,3,2)(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$   $P_{14} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$   $P_{15} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (1,3,2)(4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$   $P_{15} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$   $P_{15} = Group([(4,13,22)(5,14,23)(6,15,24)(7,16,25)(8,17,26)(9,18,27)(10,19,28)(11,20,29)(12,21,30), (4,7,10,13,16,19,22,25,28)(5,8,11,14,17,20,23,26,29)(6,9,12,15,18,21,24,27,30), (4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30)]) \cong C27$ 

 $-E(27)^{5} - E(27)^{14} \qquad E(9)^{4} \qquad -E(27)^{10} - E(27)^{19} \qquad E(27)^{17} \qquad E(9)^{2} \qquad E(27)^{12} \qquad E(27)^{13} - E(27)^{22} \qquad E(27)^{11} \qquad 1 \qquad E(27)^{16} \qquad E(27)^{16} \qquad E(27)^{16} \qquad -E(27)^{18} - E(27)^{17} \qquad E(9)^{5} \qquad -E(27)^{13} - E(27)^{22} \qquad E(27)^{12} \qquad E(27)^{13} - E(27)^{12} \qquad E(27)^{13} - E(27)^{12} \qquad E(27)^{13} - E(27)^{13} - E(27)^{14} \qquad E(9)^{7} \qquad E(27)^{19} \qquad E(27)^{17} \qquad E(9)^{5} \qquad E(27)^{13} \qquad E(27)^{13} \qquad E(27)^{13} \qquad E(27)^{13} \qquad E(27)^{13} - E(27)^$  $N_1$   $N_2$   $N_3$   $N_4$   $N_5$   $N_6$   $N_7$   $N_8$   $N_9$   $N_{10}$   $N_{11}$   $N_{12}$   $N_{13}$   $N_{14}$  $P_1$   $P_2$   $P_3$   $P_4$   $P_5$   $P_6$   $P_7$   $P_8$   $P_9$   $P_{10}$   $P_{11}$   $P_{12}$   $P_{13}$   $P_8$  $+0\cdot\chi_{34}+0\cdot\chi_{35}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{36}+0\cdot\chi_{37}+0\cdot\chi_{38}+0\cdot\chi_{39}+0\cdot\chi_{40}+0\cdot\chi_{41}+0\cdot\chi_{42}+0\cdot\chi_{43}+0\cdot\chi_{44}+0\cdot\chi_{45}+0\cdot\chi_{56}+0\cdot\chi_{57}+0\cdot\chi_{58}+0\cdot\chi_{59}+0\cdot\chi_{56}+0\cdot\chi_{57}+0\cdot\chi_{58}+0\cdot\chi_{59}+0\cdot\chi_{66}+0\cdot\chi_{57}+0\cdot\chi_{58}+0\cdot\chi_{59}+$  $0 \cdot \chi_{33} + 0 \cdot \chi_{34} + 0 \cdot \chi_{35} + 0 \cdot \chi_{36} + 0 \cdot \chi_{37} + 0 \cdot \chi_{36} + 0 \cdot \chi_{37} + 0 \cdot \chi_{40} + 0 \cdot \chi_{41} + 0 \cdot \chi_{42} + 0 \cdot \chi_{43} + 0 \cdot \chi_{44} + 0 \cdot \chi_{45} + 0 \cdot \chi_{57} + 0 \cdot \chi_{56} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{57} + 0 \cdot \chi_{56} + 0 \cdot \chi_{57} + 0 \cdot \chi_{58} + 0 \cdot \chi_{59} + 0 \cdot$