$E \times C2 \cdot (PSL(2,11) : C2) = SL(2,11) \cdot C2, p = 2$ where $ext{translizers}$		N_1				N_2				N_3		N_4	N_5	$\mid N_6 \mid$	$\overline{N_7}$
$subgroups \ of \ G \ up \ to \ conjugacy \ in \ G$		P_1				P_2				P_3		P_{4}	P_5	P_6	P_7
$epresentants n_i$	(1, 3, 7)(2, 5, 10)(4, 9, 14)(6, 8, 13)(11, 18, 31)(12, 20, 30)(15, 26, 38)(16, 28, 41)(17, 29, 43)(19, 23, 37)(21, 34, 27)(22, 35, 44)(24, 39, 48)(25, 40, 46)(32, 43, 43)(43, 43, 44)(44, 44, 44, 44)(44, 44, 44, 44)(44, 44, 44, 44)(44, 44, 44)(44, 44, 44)(44, 44, 44)(44, 44, 44)(44, 44, 44, 44)(44, 44,	33.45)(36.47.42) (7.17.40.15.18)(10.25.29.11.26)(12.30.42.27.20)(13.33.47.23.34)(14.36.45.21.37)(16.41.32.19.28)(22.44.43.38.35)(24.48.46.31.39)	(1.44, 25, 15, 24)(2.48, 17, 11, 22)(3.10, 46, 35, 18)(4.30, 33, 21, 16)(5.7, 43, 39, 26)(6.41, 36, 23, 12)(8.14, 42, 28, 34)(9.13, 32, 20, 37) (1.76, 12)(1.14, 1	(3,43,17,24,40,3,26,35,31,11)(2,10,46,25,22,29,5,18,39,38,15)(4,14,42,36,16,45,9,34,20,19,23)(6,13,32,33,12,47,8,37,28,27,21)	10)(4,9,14)(6,8,13)(11,18,31)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,33,45)(36,42,12)(12,12)(47.42) $(1.39.46.11.29)(2.35.43.15.40)(4.28.32.23.47)(6.20.42.21.45)(7.17.44.18.38)(10.25.48.26.31)(13.33.41.34.19)(14.36.30.37.19)(14.36.3$	27) (1, 48, 29, 24, 10)(2, 44, 40, 22, 7)(4, 41, 47, 16, 13)(6, 30, 45, 12, 14)(17, 18, 38, 43, 35)(19, 32, 28, 33, 34)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(25, 26, 31, 46, 39)(20, 36, 37, 27, 42)(20, 36, 37, 27, 42)(20, 36, 37, 27, 42)(20, 36, 37, 27, 42)(20, 36, 37, 27, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 42)(20, 36, 37, 37, 37, 37, 37, 37, 37, 37, 37, 37	(1, 40, 11, 24, 31, 17, 35, 43, 26, 7, 3)(2, 29, 15, 22, 38, 25, 39, 46, 18, 10, 5)(4, 45, 23, 16, 19, 36, 20, 42, 34, 14, 9)(6, 4)	. 47. 21. 12. 27. 33. 28. 32. 37. 13. 8) () (1. 48. 10)(2. 44. 7)(3. 11. 43)(4. 41. 13)(5	15,46)(6,30,14)(8,21,32)(9,23,42)(12,19,37)(16,27,34)(17,39,29)(18,22,31)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,33)(24,38,26)(25,35,40)(28,47,12)(20,45,36)($ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c} \hline \\ 6) \\ \hline \\ (3,10,26,22,38)(5,7,18,24,31)(8,14,37,16,19)(9,13,34,12,27)(11,44,25,29,35)(15,48,17,40,39)(20,23,30,33,47)(21,41,36,45,28) \\ \hline \end{array} $	26, 17)(2, 18, 25)(3, 31, 22)(4, 34, 36)(5, 38, 24)(6, 37, 33)(7, 46, 48)(8, 27, 16)(9, 19, 12)(10, 43, 44)(11, 29, 39)(13, 42, 30)(14, 32, 41)(11, 29, 39)(13, 42, 30)(14, 32, 41)(11, 29, 39)(13, 42, 30)(14, 32, 41)(11, 29, 39)(13, 42, 30)(14, 32, 41)(11, 29, 39)(13, 42, 30)(14, 32, 41)(11, 29, 39)(13, 42, 30)(14, 32, 41)(14,	15.40.35)(20.21.45)(23.47.28) () (1.10.48)(2.7.44)(3.43.11))(4,13,41)(5,46,15)(6,14,30)(8,32,21)(9,42,23)(12,37,19)(16,34,27)(17,29,39)(18,31,22)(20,33,45)(24,26,38)(25,40,35)(28,36,42,42)(20,33,45)(24,26,38)(25,40,35)(28,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,38)(26,36,42)(26,3
$\varepsilon_{presentants} \frac{J}{\overline{n_i}}$	() (1,3,7)(2,5,10)(4,9,14)(6,8,13)(11,18,31)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,43)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,43)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,43)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,43)(42,43)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(1, 44, 25, 15, 24)(2, 48, 17, 11, 22)(3, 10, 46, 35, 18)(4, 30, 33, 21, 16)(5, 7, 43, 39, 26)(6, 41, 36, 23, 12)(8, 14, 42, 28, 34)(9, 13, 32, 20, 37) (1, 7, 12, 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	(7,43,17,24,40,3,26,35,31,11)(2,10,46,25,22,29,5,18,39,38,15)(4,14,42,36,16,45,9,34,20,19,23)(6,13,32,33,12,47,8,37,28,27,21)	(1,3,2)(4,9,5)(6,7,10)(8,11,12)	(1,6,7,8,4)(2,5,10,9,11)	(1,9,3,8,11)(2,4,6,7,5)	(2,5,6,8,12,11,9,10,3,7,4)		(1,2,4)(3,5,6)	(1, 2, 3, 5, 4)	(1, 3, 4, 2, 5) ()	(1,2,3)		(1,2,3)
$\frac{1}{1 \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 2 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}$	48	8	8	4 0	0	0	0	0	0	0	0 0	0 0	0	0 0	
$ + \chi_1 + 0 \cdot \chi_2 + 0 \cdot \chi_3 + 1 \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} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 1 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} $	-8	4	4	-2 0	0	0	0	0	0	0	0 0	0 0	0	$\mid 0 \mid 0$	0
$ + \chi_1 + 0 \cdot \chi_2 + 1 \cdot \chi_3 + 0 \cdot \chi_4 + 1 \cdot \chi_5 + 0 \cdot \chi_6 + 0 \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} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0 \cdot \chi$	80	0	0	-8 0	0	0	0	0	0	0	$ 0 \rangle$	0 0	0	$\mid 0 \mid 0$	0
$ + \chi_1 + 0 + \chi_2 + 0 + \chi_3 + 0 + \chi_4 + 0 + \chi_5 + 0 + \chi_6 + 0 + \chi_7 + 0 + \chi_8 + 0 + \chi_9 + 0 + \chi_{10} + 0 + \chi_{11} + 0 + \chi_{12} + 0 + \chi_{13} + 0 + \chi_{14} + 0 + \chi_{15} + 0 + \chi_{16} + 0 + \chi_{17} + 1 + \chi_{18} + 0 + \chi_{19} + 1 + \chi_{20} + 0 + \chi_{21} + 1 + \chi_{22} + 1 + \chi_{23} + 0 + \chi_{24} + 0 + \chi_{15} + 0 + \chi_{16} + 0 + \chi_{17} + 1 + \chi_{18} + 0 + \chi_{19} + 1 + \chi_{20} + 0 + \chi_{21} + 1 + \chi_{22} + 1 + \chi_{23} + 0 + \chi_{24} + 0 + \chi_{19} + 0 + \chi$	0	$4*E(5)^2 + 4*E(5)^3$	$4*E(5) + 4*E(5)^4$	4	0	0	0	0	0	0	$ 0 \rangle$	0 0	0	$\mid 0 \mid 0$	0
$+\chi_{1}+0\cdot\chi_{2}+0\cdot\chi_{3}+0\cdot\chi_{4}+0\cdot\chi_{5}+0\cdot\chi_{6}+0\cdot\chi_{7}+0\cdot\chi_{8}+0\cdot\chi_{9}+0\cdot\chi_{10}+0\cdot\chi_{11}+0\cdot\chi_{12}+0\cdot\chi_{13}+0\cdot\chi_{14}+0\cdot\chi_{15}+0\cdot\chi_{16}+1\cdot\chi_{17}+0\cdot\chi_{18}+1\cdot\chi_{19}+0\cdot\chi_{20}+1\cdot\chi_{21}+0\cdot\chi_{22}+0\cdot\chi_{23}+1\cdot\chi_{24}$	0	$4*E(5) + 4*E(5)^{} 4$	$4*E(5)^2 + 4*E(5)^3$	4 0	0	0	0	0	0	0	0 0	0	0	0 0	0
$ + \chi_1 + 1 + \chi_2 + 0 + \chi_3 + 0 + \chi_4 + 0 + \chi_5 + 0 + \chi_6 + 0 + \chi_7 + 0 + \chi_8 + 0 + \chi_9 + 0 + \chi_{10} + 0 + \chi_{11} + 0 + \chi_{12} + 0 + \chi_{13} + 1 + \chi_{14} + 1 + \chi_{15} + 0 + \chi_{16} + 0 + \chi_{17} + 0 + \chi_{18} + 0 + \chi_{20} + 0 + \chi_{21} + 0 + \chi_{22} + 0 + \chi_{23} + 0 + \chi_{24} + 0 + \chi_{21} + 0 + \chi_{22} + 0 + \chi_{23} + 0 + \chi_{24} + 0 + \chi$	0	4	4	2 24	0	4	4	2	0	0	0 0	0 0	0		0
$ + \chi_1 + 0 + \chi_2 + 0 + \chi_3 + 1 + \chi_4 + 0 + \chi_5 + 0 + \chi_6 + 0 + \chi_7 + 0 + \chi_8 + 0 + \chi_9 + 0 + \chi_{10} + 0 + \chi_{11} + 0 + \chi_{12} + 0 + \chi_{13} + 1 + \chi_{14} + 1 + \chi_{15} + 0 + \chi_{16} + 0 + \chi_{17} + 0 + \chi_{18} + 0 + \chi_{20} + 0 + \chi_{21} + 0 + \chi_{22} + 0 + \chi_{23} + 0 + \chi_{24} + 0 + \chi_{21} + 0 + \chi_{22} + 0 + \chi_{23} + 0 + \chi_{24} + 0 + \chi$	-4	2	2	-1 32	-4	2	2	-1	0	0	0 0	0	0		0
$ + \chi_1 + 0 + \chi_2 + 1 + \chi_3 + 0 + \chi_4 + 1 + \chi_5 + 0 + \chi_6 + 0 + \chi_7 + 1 + \chi_8 + 1 + \chi_9 + 0 + \chi_{10} + 0 + \chi_{11} + 0 + \chi_{12} + 0 + \chi_{13} + 0 + \chi_{14} + 0 + \chi_{15} + 0 + \chi_{16} + 0 + \chi_{17} + 0 + \chi_{18} + 0 + \chi_{20} + 0 + \chi_{21} + 0 + \chi_{22} + 0 + \chi_{23} + 0 + \chi_{24} + 0 + \chi_{15} + 0 + \chi_{16} + 0 + \chi_{17} + 0 + \chi_{18} + 0 + \chi_{19} + 0 + \chi$	40	0	0	-4 40	4	0		-4	0	0	0 0	$0 \qquad \qquad \mid 0$	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} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 1 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} $	0	$2*E(5) + 2*E(5)^4$	$2*E(5)^2 2 + 2*E(5)^3$	$\frac{2}{2}$	0	$2*E(5)^2 2 + 2*E(5)^3$	$2*E(5) + 2*E(5)^4$	$\frac{2}{2}$	0	0		$0 \qquad \qquad 0$	0		0
$+\chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 1 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$	$\frac{24}{4}$	$2*E(5)^2 + 2*E(5)^3$	$2*E(5) + 2*E(5)^4$	$\frac{2}{2}$		$2*E(5) + 2*E(5)^4$	$2*E(5)^2 + 2*E(5)^3$	$\frac{2}{2}$	0	0		$0 \qquad 0$	<u>0</u>	0 0	
$ \begin{array}{c} \cdot \chi_{1} + 1 \cdot \chi_{2} + 0 \cdot \chi_{3} + 2 \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} + 1 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \\ + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 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 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \\ + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{12} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot $	-4	$\frac{4}{2}$	$\frac{4}{2}$	0	-4	$\frac{4}{2}$	$\frac{4}{2}$			$\frac{4}{2}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	$0 \qquad \qquad \hat{0}$	0		$0 \\ 0$
$+\chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 1 \cdot \chi_{8} + 1 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$	$\frac{2}{10}$	$\frac{0}{2}$		$\frac{-2}{1}$	$\frac{2}{2}$	0		$\frac{-2}{2}$	4	$\frac{-2}{2}$		$\frac{0}{2}$	0	0 0	
$\cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 1 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}$	12	$\frac{2}{E(t)}$	$\frac{2}{E(t)^2}$	$\frac{1}{1}$		$\frac{2}{E(r)^2}$	$\frac{2}{E(r)+E(r)^2}$			0	$\frac{2}{E(r)+E(r)^2}$	$\frac{2}{E(r)^{2}} + E(r)^{2} = 0$	0		
$\cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 0 \cdot \chi_{18} + 1 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} + 0 \cdot \chi_{10} + 0$	12	$E(5) + E(5) = 4$ $E(5) \stackrel{\wedge}{\circ} 2 + E(5) \stackrel{\wedge}{\circ} 2$	E(5) = 2 + E(5) = 3	$\frac{1}{1}$		E(5) = 2 + E(5) = 3	$E(5) + E(5) = 4$ $E(5) \stackrel{\wedge}{\sim} 2 + E(5) \stackrel{\wedge}{\sim} 2$	1 1		U	$ E(5) + E(5) = 4 $ $ E(7) \stackrel{\frown}{\circ} 2 + E(7) \stackrel{\frown}{\circ} 2 $	$E(5) \ 2 + E(5) \ 3$	U O		
$\frac{\cdot \chi_{1} + 0 \cdot \chi_{2} + 0 \cdot \chi_{3} + 0 \cdot \chi_{4} + 0 \cdot \chi_{5} + 0 \cdot \chi_{6} + 0 \cdot \chi_{7} + 0 \cdot \chi_{8} + 0 \cdot \chi_{9} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{13} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{17} + 1 \cdot \chi_{18} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}{2 + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{11} + 0 \cdot \chi_{12} + 0 \cdot \chi_{14} + 0 \cdot \chi_{15} + 0 \cdot \chi_{16} + 0 \cdot \chi_{19} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}$	12 0	$\frac{E(\mathfrak{d})}{\mathfrak{d}} = \frac{2 + E(\mathfrak{d})}{\mathfrak{d}} = \frac{\mathfrak{d}}{\mathfrak{d}}$	$\frac{E(\mathfrak{d})+E(\mathfrak{d})}{\mathfrak{d}}$	$\frac{1}{2}$	U	$\frac{E(\mathfrak{d})+E(\mathfrak{d})}{\mathfrak{d}}$	$\frac{E(0)}{2} = \frac{2 + E(0)}{2} = \frac{3}{2}$	1	0	<u> </u>	$\frac{2}{0}$	$ \begin{array}{c cccc} E(0)+E(0) & 4 & & 0 \\ \hline & & & & & & & & & & & & & & & & & &$	<u> </u>	0 0	
$ \begin{array}{c} \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} + 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} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24} \\ - \chi_{1} + 0 \cdot \chi_{1} + $	2 2 2		2	1 2				<i>Z</i>				$\begin{pmatrix} 0 \\ 0 \end{pmatrix}$	$rac{Z}{1}$		
$\frac{\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} + 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} + 0 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}{2 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{10} + 0 \cdot \chi_{11} + $	$\frac{10}{22}$	<u> </u>	<u> </u>	-1 10 0 0	<u>-2</u>	<u> </u>	<u> </u>			2		$\frac{0}{2}$			
$\frac{\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} + 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 \cdot \chi_{19} + 0 \cdot \chi_{20} + 0 \cdot \chi_{21} + 0 \cdot \chi_{22} + 0 \cdot \chi_{23} + 0 \cdot \chi_{24}}{2 \cdot \chi_{10} + 0 \cdot \chi_{11} + $	$\frac{22}{29}$	$\frac{2}{2}$	<u>2</u>	0 22	<u>-2</u>	2	2	0		2			<u> </u>		<u> </u>
$x_{11} + 0 \cdot x_{2} + 0 \cdot x_{3} + 1 \cdot x_{4} + 0 \cdot x_{5} + 0 \cdot x_{6} + 0 \cdot x_{7} + 0 \cdot x_{8} + 0 \cdot x_{9} + 0 \cdot x_{10} + 0 \cdot x_{11} + 0 \cdot x_{12} + 0 \cdot x_{13} + 1 \cdot x_{14} + 0 \cdot x_{15} + 0 \cdot x_{16} + 0 \cdot x_{17} + 0 \cdot x_{19} + 0 \cdot x_{20} + 0 \cdot x_{21} + 0 \cdot x_{22} + 0 \cdot x_{23} + 0 \cdot x_{24} + 0 \cdot x_{15} + 0 \cdot x_{16} + 0 \cdot x_{17} + 0 \cdot x_{19} + 0 \cdot x_{20} + 0 \cdot x_{21} + 0 \cdot x_{22} + 0 \cdot x_{23} + 0 \cdot x_{24} + 0 \cdot x_{25} + 0 $	$\frac{22}{30}$	$\frac{2}{0}$		$\begin{bmatrix} 0 \\ -3 \end{bmatrix}$	$\frac{-2}{3}$		0	_3 _0	$\begin{pmatrix} 2 \\ 2 \end{pmatrix}$	_1			0 0		_1
$\frac{1}{1} + \frac{1}{1} + \frac{1}$	1 1	<u> </u>		1 1		<u> </u>			1						1
$\frac{1}{11} + \frac{1}{10} \cdot \frac{1}{12} + \frac{1}{10} $			1					1						1 1	
$=Group([(1,4,2,6)(3,21,5,23)(7,30,10,41)(8,15,9,11)(12,29,16,40)(13,44,14,48)(17,34,25,37)(18,33,26,36)(19,39,27,35)(20,38,28,31)(22,45,24,47)(32,46,42,43),(1,2)(3,5)(4,6)(7,10)(8,9)(11,15)(32,26)(12,29,240)(3,18,5,26)(4,47,6,45)(7,25,10,17)(8,34,9,37)(11,31,15,38)(12,32,16,42)(13,36,14,33)(19,21,27,23)(20,41,28,30)(22,46,24,43)(35,48,39,44),(1,46,2,43)(3,48,5,44)(4,32,6,42)\\ =Group([(1,46,2,43)(3,48,5,44)(4,32,6,42)(7,11,10,15)(8,30,9,41)(12,45,16,47)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,45,46,16,2,47,43,12)(3,19,48,54)(13,21,21,21,21,21,21,21,21,21,21,21,21,21,$	$12, 16)(13, 14)(17, 25)(18, 26)(19, 27)(20, 28)(21, 23)(22, 24)(29, 40)(30, 41)(31, 38)(32, 42)(33, 36)(34, 37)(35, 39)(43, 46)(44, 48)(45, 47)]) \cong C4$ $12, 16)(13, 14)(17, 25)(18, 26)(19, 27)(20, 28)(21, 23)(22, 24)(29, 40)(30, 41)(31, 38)(32, 42)(33, 36)(34, 37)(35, 39)(43, 46)(44, 48)(45, 47)]) \cong C4$ $(7, 11, 10, 15)(8, 30, 9, 41)(12, 45, 16, 47)(13, 21, 14, 23)(17, 31, 25, 38)(18, 35, 26, 39)(19, 33, 27, 36)(20, 34, 28, 37)(22, 40, 24, 29), (1, 2)(3, 5)(4, 6)(7, 10)(8, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20$	$ (9)(11, 15)(12, 16)(13, 14)(17, 25)(18, 26)(19, 27)(20, 28)(21, 23)(22, 24)(29, 40)(30, 41)(31, 38)(32, 42)(33, 36)(34, 37)(35, 39)(43, 46)(44, 48)(45, 47)]) \cong Q8 $ $ (9)(11, 15)(12, 16)(13, 14)(17, 25)(18, 26)(19, 27)(20, 28)(21, 23)(22, 24)(29, 40)(30, 41)(31, 38)(32, 42)(33, 36)(34, 37)(35, 39)(43, 46)(44, 48)(45, 47)]) \cong Q8 $ $ (1, 15)(12, 16)(13, 14)(17, 25)(18, 26)(19, 27)(20, 28)(21, 23)(22, 24)(29, 40)(30, 41)(31, 38)(32, 42)(33, 36)(34, 37)(35, 39)(43, 46)(44, 48)(45, 47)]) \cong C8 $													
$=Group([(1,3,7)(2,5,10)(4,9,14)(6,8,13)(11,18,31)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,33,45)(36,47,42),(1,4,2,6)(3,8,5,9)(7,12,10,16)\\ =Group([(1,3,7)(2,5,10)(4,9,14)(6,8,13)(11,18,31)(12,20,30)(15,26,38)(16,28,41)(17,29,43)(19,23,37)(21,34,27)(22,35,44)(24,39,48)(25,40,46)(32,33,45)(36,47,42),(1,4,2,6)(3,8,5,9)(7,12,10,16)\\ =Group([(1,3,7,46,48,11,2,5,10,43,44,15)(4,9,14,32,41,23,6,8,13,42,30,21)(12,36,34,45,19,28,16,33,37,47,27,20)(17,26,40,31,39,24,25,18,29,38,35,22),(1,46,2,43)(3,48,5,44)(4,32,6,42)(7,11,42,43)(3,21,43,23)(11,29,24,40)(3,18,5,26)(4,47,6,45)(7,25,10,17)(8,34,9,37)(11,31,15,38)(12,32,16,42)(13,36,14,33)(19,21,27,23)(20,41,28,30)(22,46,24,43)(35,48,39,44),(1,46,2,43)(3,48,5,44)(4,32,6,42)\\ =Group([(1,46,2,43)(3,48,5,44)(4,32,6,42)(7,11,10,15)(8,30,9,41)(12,45,16,47)(13,21,14,23)(17,31,25,38)(18,35,26,39)(19,33,27,36)(20,34,28,37)(22,40,24,29),(1,4,2,6)(3,21,5,23)(7,30,10,41)(2,23,24,24,24,24,24,24,24,24,24,24,24,24,24,$	(10, 15)(8, 30, 9, 41)(12, 45, 16, 47)(13, 21, 14, 23)(17, 31, 25, 38)(18, 35, 26, 39)(19, 33, 27, 36)(20, 34, 28, 37)(22, 40, 24, 29), (1, 6, 2, 4)(3, 23, 5, 21)(7, 41, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	$(17, 26, 40, 10, 15, 25, 18, 29)(8, 9)(12, 19, 30, 28, 42, 16, 27, 41, 20, 32)(13, 21, 33, 37, 47, 14, 23, 36, 34, 45)(22, 31, 44, 39, 43, 24, 38, 48, 35, 46)]) \cong C2 \cdot (PSL(2,11) : (17, 26, 40, 10, 15, 25, 18, 29)(8, 9)(12, 19, 30, 28, 42, 16, 27, 41, 20, 32)(13, 21, 33, 37, 47, 14, 23, 36, 34, 45)(22, 31, 44, 39, 43, 24, 38, 48, 35, 46)]) \cong C2 \cdot (PSL(2,11) : (17, 26, 40, 10, 15, 25, 18, 29)(8, 9)(12, 19, 30, 28, 42, 16, 27, 41, 20, 32)(13, 21, 33, 37, 47, 14, 23, 36, 34, 45)(22, 31, 44, 39, 43, 24, 38, 48, 35, 46)]) \cong C2 \cdot (PSL(2,11) : (17, 26, 40, 10, 15, 25, 18, 29)(13, 48, 14, 44)(17, 37, 25, 34)(18, 36, 26, 33)(19, 35, 27, 39)(20, 31, 28, 38)(22, 47, 24, 45)(32, 43, 42, 46), (1, 2)(3, 5)(4, 6)(7, 10)(8, 9)(12, 15, 23)(12, 18, 16, 26)(13, 31, 14, 38)(17, 47, 25, 45)(20, 44, 28, 48)(22, 34, 24, 37)(29, 36, 40, 33)(30, 35, 41, 39), (1, 2)(3, 5)(4, 6)(7, 10)(8, 9)(11, 15)(12, 16)(13, 14, 10, 30)(8, 11, 9, 15)(12, 40, 16, 29)(13, 48, 14, 44)(17, 37, 25, 34)(18, 36, 26, 33)(19, 35, 27, 39)(20, 31, 28, 38)(22, 47, 24, 45)(32, 43, 42, 46), (1, 30, 29, 20, 2, 41, 40, 26, 44, 10, 30)(8, 11, 9, 15)(12, 40, 16, 29)(13, 48, 14, 44)(17, 37, 25, 34)(18, 36, 26, 33)(19, 35, 27, 39)(20, 31, 28, 38)(22, 47, 24, 45)(32, 43, 42, 46), (1, 30, 29, 20, 2, 41, 40, 26, 44, 44, 44, 44, 44, 44, 44, 44, 44, 4$	$ \begin{array}{l} C2) = SL(2,11) \cdot C2 \\ C2) = SL(2,11) \cdot C2 \\ 1,15)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(11,15)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,48)(45,47)(44,48)($	$(3,5)(4,6)(7,10)(8,9)(11,15)(12,16)(13,14)(17,25)(18,26)(19,27)(20,28)(21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,439)]) \cong Q16$ $(47),(1,34,3,45,7,19,46,28,48,16,11,33,2,37,5,47,10,27,43,20,44,12,15,36)(4,18,9,29,14,38,32,35,41,22,23,17,6,26,8,40,13,31,42,39,30,24,21,23)(22,24)(29,40)(30,41)(31,38)(32,42)(33,36)(34,37)(35,39)(43,46)(44,439)]) \oplus Q16$	$(2) \cong C3 : Q16$ $(2) (45, 47) \cong C2 : S4 = SL(2,3) : C2$ $(3) \cong C3 : Q16$										