

## $S_6(3).2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	9	$74 \times 28$
	2	0	$19683_1 = \chi_{74,0}, \varphi_{15,0}$
	3	0	$19683_2 = \chi_{74,1}, \varphi_{15,1}$
$2.G :$	4	9	$62 \times 24$

<b>Block 1:</b>	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$26_1 = \chi_{2+}$	.	.	1	1	.	.	.	.	.	.	.	.	.
$78_1 = \chi_{4,0}$	.	.	.	.	1	.	.	1	.	.	.	.	.
$78_2 = \chi_{4,1}$	.	.	.	.	.	1	1	.	.	.	.	.	.
$182_1 = \chi_{5+}$	1	1	.	.	.	.	.	.	.	.	1	1	.
$105_1 = \chi_{7,0}$	.	.	.	.	.	1	.	.	1	.	.	.	.
$105_2 = \chi_{7,1}$	.	.	.	.	1	.	.	.	.	1	.	.	.
$168_1 = \chi_{8,0}$	.	.	.	.	1	.	1	.	.	.	1	.	.
$168_2 = \chi_{8,1}$	.	.	.	.	.	1	.	1	.	.	.	1	.
$195_1 = \chi_{9,0}$	.	.	.	.	1	.	.	.	1	.	1	.	.
$195_2 = \chi_{9,1}$	.	.	.	.	.	1	.	.	.	1	.	1	.
$546_1 = \chi_{10+}$	.	.	.	.	.	.	.	.	1	1	.	.	1
$910_1 = \chi_{12+}$	1	1	3	3	.	.	1	1	.	.	.	.	.
$1092_1 = \chi_{14+}$	2	2	3	3	.	.	1	1	.	.	1	1	.
$1456_1 = \chi_{16+}$	1	1	3	3	.	.	1	1	1	1	.	.	1
$819_1 = \chi_{18,0}$	.	1	.	.	.	1	.	.	1	.	1	.	.
$819_2 = \chi_{18,1}$	1	.	.	.	1	.	.	.	.	1	.	1	.
$2340_1 = \chi_{19+}$	2	2	5	5	.	.	2	2	1	1	.	.	1
$2730_1 = \chi_{21+}$	1	1	4	4	.	.	3	3	.	.	.	.	1
$2730_2 = \chi_{23+}$	3	3	3	3	1	1	1	1	1	1	2	2	.
$2730_3 = \chi_{25+}$	.	.	2	2	1	1	1	1	.	.	.	.	.
$1820_1 = \chi_{27,0}$	2	2	3	3	1	.	1	1	1	.	2	.	.
$1820_2 = \chi_{27,1}$	2	2	3	3	.	1	1	1	.	1	.	2	.
$3640_1 = \chi_{28+}$	4	4	6	6	1	1	2	2	1	1	2	2	.
$2106_1 = \chi_{30,0}$	2	1	5	2	.	1	1	3	.	1	.	2	1
$2106_2 = \chi_{30,1}$	1	2	2	5	1	.	3	1	1	.	2	.	.
$4368_1 = \chi_{31+}$	1	1	2	2	2	2	1	1	1	1	1	1	.
$2457_1 = \chi_{33,0}$	2	1	3	2	.	.	1	.	.	.	1	.	.
$2457_2 = \chi_{33,1}$	1	2	2	3	.	.	.	1	.	.	.	1	.
$4914_1 = \chi_{34+}$	3	3	7	7	.	.	3	3	1	1	1	1	.
$2730_4 = \chi_{36,0}$	2	1	3	4	.	.	3	.	2	.	1	.	.
$2730_5 = \chi_{36,1}$	1	2	4	3	.	.	.	3	.	2	.	1	1
$2835_1 = \chi_{37,0}$	.	1	4	2	2	.	1	3	.	1	.	.	1
$2835_2 = \chi_{37,1}$	1	.	2	4	.	2	3	1	1	.	.	.	.
$7280_1 = \chi_{38+}$	2	2	6	6	1	1	3	3	2	2	1	1	1
$8190_1 = \chi_{40+}$	.	.	2	2	2	2	2	2	2	2	1	1	1
$4536_1 = \chi_{42,0}$	2	.	3	.	.	1	.	1	.	3	.	2	1
$4536_2 = \chi_{42,1}$	.	2	.	3	1	.	1	.	3	.	2	.	.
$5265_1 = \chi_{43,0}$	.	.	2	.	2	.	.	1	.	3	.	.	1

(Block 1:)	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$
$1_1 = \chi_{1,0}$	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	.	.	.	.	.	.	.	.	.	.	.
$26_1 = \chi_{2+}$	.	.	.	.	.	.	.	.	.	.	.	.
$78_1 = \chi_{4,0}$	.	.	.	.	.	.	.	.	.	.	.	.
$78_2 = \chi_{4,1}$	.	.	.	.	.	.	.	.	.	.	.	.
$182_1 = \chi_{5+}$	.	.	.	.	.	.	.	.	.	.	.	.
$105_1 = \chi_{7,0}$	.	.	.	.	.	.	.	.	.	.	.	.
$105_2 = \chi_{7,1}$	.	.	.	.	.	.	.	.	.	.	.	.
$168_1 = \chi_{8,0}$	.	.	.	.	.	.	.	.	.	.	.	.
$168_2 = \chi_{8,1}$	.	.	.	.	.	.	.	.	.	.	.	.
$195_1 = \chi_{9,0}$	.	.	.	.	.	.	.	.	.	.	.	.
$195_2 = \chi_{9,1}$	.	.	.	.	.	.	.	.	.	.	.	.
$546_1 = \chi_{10+}$	1	.	.	.	.	.	.	.	.	.	.	.
$910_1 = \chi_{12+}$	.	1	1	.	.	.	.	.	.	.	.	.
$1092_1 = \chi_{14+}$	.	1	1	.	.	.	.	.	.	.	.	.
$1456_1 = \chi_{16+}$	1	1	1	.	.	.	.	.	.	.	.	.
$819_1 = \chi_{18,0}$	.	.	.	.	.	1	.	.	.	.	.	.
$819_2 = \chi_{18,1}$	.	.	.	.	.	.	1	.	.	.	.	.
$2340_1 = \chi_{19+}$	1	2	2	.	.	.	.	.	.	.	.	.
$2730_1 = \chi_{21+}$	1	1	1	1	1	.	.	.	.	.	.	.
$2730_2 = \chi_{23+}$	.	1	1	.	.	1	1	.	.	.	.	.
$2730_3 = \chi_{25+}$	.	1	1	.	.	.	.	1	1	.	.	.
$1820_1 = \chi_{27,0}$	.	1	1	.	.	1	.	.	.	.	.	.
$1820_2 = \chi_{27,1}$	.	1	1	.	.	.	1	.	.	.	.	.
$3640_1 = \chi_{28+}$	.	2	2	.	.	1	1	.	.	.	.	.
$2106_1 = \chi_{30,0}$	.	2	.	1	.	.	.	.	.	.	.	.
$2106_2 = \chi_{30,1}$	1	.	2	.	1	.	.	.	.	.	.	.
$4368_1 = \chi_{31+}$	.	1	1	.	.	1	1	1	1	.	.	.
$2457_1 = \chi_{33,0}$	.	2	.	.	.	1	.	1	.	.	.	.
$2457_2 = \chi_{33,1}$	.	.	2	.	.	.	1	.	1	.	.	.
$4914_1 = \chi_{34+}$	.	2	2	.	.	.	.	.	.	1	1	.
$2730_4 = \chi_{36,0}$	1	1	1	.	.	.	.	.	.	1	.	.
$2730_5 = \chi_{36,1}$	.	1	1	.	.	.	.	.	.	.	1	.
$2835_1 = \chi_{37,0}$	.	2	.	1	.	.	.	1	.	.	.	.
$2835_2 = \chi_{37,1}$	1	.	2	.	1	.	.	.	1	.	.	.
$7280_1 = \chi_{38+}$	1	2	2	.	.	.	.	1	1	1	1	.
$8190_1 = \chi_{40+}$	1	1	1	.	.	.	.	2	2	1	1	.
$4536_1 = \chi_{42,0}$	.	2	.	.	.	1	.	.	.	.	.	1
$4536_2 = \chi_{42,1}$	1	.	2	.	.	.	1	.	.	.	.	.
$5265_1 = \chi_{43,0}$	.	2	.	.	.	1	.	1	.	.	.	1

<b>(Block 1:)</b>	$\varphi_{13,1}$	$\varphi_{14,0}$	$\varphi_{14,1}$
$1_1 = \chi_{1,0}$	.	.	.
$1_2 = \chi_{1,1}$	.	.	.
$26_1 = \chi_{2+}$	.	.	.
$78_1 = \chi_{4,0}$	.	.	.
$78_2 = \chi_{4,1}$	.	.	.
$182_1 = \chi_{5+}$	.	.	.
$105_1 = \chi_{7,0}$	.	.	.
$105_2 = \chi_{7,1}$	.	.	.
$168_1 = \chi_{8,0}$	.	.	.
$168_2 = \chi_{8,1}$	.	.	.
$195_1 = \chi_{9,0}$	.	.	.
$195_2 = \chi_{9,1}$	.	.	.
$546_1 = \chi_{10+}$	.	.	.
$910_1 = \chi_{12+}$	.	.	.
$1092_1 = \chi_{14+}$	.	.	.
$1456_1 = \chi_{16+}$	.	.	.
$819_1 = \chi_{18,0}$	.	.	.
$819_2 = \chi_{18,1}$	.	.	.
$2340_1 = \chi_{19+}$	.	.	.
$2730_1 = \chi_{21+}$	.	.	.
$2730_2 = \chi_{23+}$	.	.	.
$2730_3 = \chi_{25+}$	.	.	.
$1820_1 = \chi_{27,0}$	.	.	.
$1820_2 = \chi_{27,1}$	.	.	.
$3640_1 = \chi_{28+}$	.	.	.
$2106_1 = \chi_{30,0}$	.	.	.
$2106_2 = \chi_{30,1}$	.	.	.
$4368_1 = \chi_{31+}$	.	.	.
$2457_1 = \chi_{33,0}$	.	.	.
$2457_2 = \chi_{33,1}$	.	.	.
$4914_1 = \chi_{34+}$	.	.	.
$2730_4 = \chi_{36,0}$	.	.	.
$2730_5 = \chi_{36,1}$	.	.	.
$2835_1 = \chi_{37,0}$	.	.	.
$2835_2 = \chi_{37,1}$	.	.	.
$7280_1 = \chi_{38+}$	.	.	.
$8190_1 = \chi_{40+}$	.	.	.
$4536_1 = \chi_{42,0}$	.	.	.
$4536_2 = \chi_{42,1}$	1	.	.
$5265_1 = \chi_{43,0}$	.	.	.

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
5265 <sub>2</sub> = $\chi_{43,1}$	.	.	.	2	.	2	1	.	3	.	.	.	.
5460 <sub>1</sub> = $\chi_{44,0}$	1	.	2	2	1	1	2	1	2	2	1	.	1
5460 <sub>2</sub> = $\chi_{44,1}$	.	1	2	2	1	1	1	2	2	2	.	1	1
5460 <sub>3</sub> = $\chi_{45,0}$	3	3	7	5	1	1	2	3	1	2	2	1	1
5460 <sub>4</sub> = $\chi_{45,1}$	3	3	5	7	1	1	3	2	2	1	1	2	.
10920 <sub>1</sub> = $\chi_{46+}$	6	6	12	12	2	2	5	5	3	3	3	3	1
5824 <sub>1</sub> = $\chi_{48,0}$	2	1	5	3	1	2	1	3	1	2	1	1	1
5824 <sub>2</sub> = $\chi_{48,1}$	1	2	3	5	2	1	3	1	2	1	1	1	.
11648 <sub>1</sub> = $\chi_{49+}$	3	3	8	8	3	3	4	4	3	3	2	2	1
13104 <sub>1</sub> = $\chi_{51+}$	3	3	9	9	2	2	5	5	3	3	2	2	1
14742 <sub>1</sub> = $\chi_{53+}$	3	3	9	9	3	3	5	5	4	4	2	2	2
8190 <sub>2</sub> = $\chi_{55,0}$	.	1	3	4	.	.	3	2	2	.	.	.	1
8190 <sub>3</sub> = $\chi_{55,1}$	1	.	4	3	.	.	2	3	.	2	.	.	1
18954 <sub>1</sub> = $\chi_{56+}$	1	1	6	6	4	4	5	5	4	4	3	3	1
21840 <sub>1</sub> = $\chi_{58+}$	4	4	12	12	2	2	7	7	3	3	2	2	2
11648 <sub>2</sub> = $\chi_{60,0}$	1	4	5	10	1	1	6	2	4	.	2	.	1
11648 <sub>3</sub> = $\chi_{60,1}$	4	1	10	5	1	1	2	6	.	4	.	2	2
23296 <sub>1</sub> = $\chi_{61+}$	5	5	15	15	2	2	8	8	4	4	2	2	3
24570 <sub>1</sub> = $\chi_{63+}$	6	6	13	13	4	4	6	6	4	4	4	4	1
14560 <sub>1</sub> = $\chi_{65,0}$	3	3	11	7	2	1	3	7	1	4	1	2	2
14560 <sub>2</sub> = $\chi_{65,1}$	3	3	7	11	1	2	7	3	4	1	2	1	1
29120 <sub>1</sub> = $\chi_{66+}$	6	6	18	18	3	3	10	10	5	5	3	3	3
16380 <sub>1</sub> = $\chi_{68,0}$	3	2	11	5	2	2	3	7	1	6	1	2	3
16380 <sub>2</sub> = $\chi_{68,1}$	2	3	5	11	2	2	7	3	6	1	2	1	1
16640 <sub>1</sub> = $\chi_{69,0}$	2	.	9	5	2	2	4	6	1	6	.	1	3
16640 <sub>2</sub> = $\chi_{69,1}$	.	2	5	9	2	2	6	4	6	1	1	.	2
16640 <sub>3</sub> = $\chi_{70,0}$	7	6	14	12	2	2	5	6	2	4	3	3	1
16640 <sub>4</sub> = $\chi_{70,1}$	6	7	12	14	2	2	6	5	4	2	3	3	1
17472 <sub>1</sub> = $\chi_{71,0}$	4	3	10	7	2	2	3	5	2	5	2	2	2
17472 <sub>2</sub> = $\chi_{71,1}$	3	4	7	10	2	2	5	3	5	2	2	2	1
17920 <sub>1</sub> = $\chi_{72,0}$	5	3	14	9	2	1	5	7	1	6	2	2	3
17920 <sub>2</sub> = $\chi_{72,1}$	3	5	9	14	1	2	7	5	6	1	2	2	2
17920 <sub>3</sub> = $\chi_{73,0}$	3	4	8	10	3	3	6	4	5	2	3	2	1
17920 <sub>4</sub> = $\chi_{73,1}$	4	3	10	8	3	3	4	6	2	5	2	3	1

(Block 1:)	$\varphi_{7,1}$	$\varphi_{8,0}$	$\varphi_{8,1}$	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$
5265 <sub>2</sub> = $\chi_{43,1}$	1	.	2	.	.	.	1	.	1	.	.	.
5460 <sub>1</sub> = $\chi_{44,0}$	1	1	1	.	1	1	.	.	.	.	.	1
5460 <sub>2</sub> = $\chi_{44,1}$	1	1	1	1	.	.	1	.	.	.	.	.
5460 <sub>3</sub> = $\chi_{45,0}$	.	3	1	.	.	1	.	1	.	.	1	.
5460 <sub>4</sub> = $\chi_{45,1}$	1	1	3	.	.	.	1	.	1	1	.	.
10920 <sub>1</sub> = $\chi_{46+}$	1	4	4	.	.	1	1	1	1	1	1	.
5824 <sub>1</sub> = $\chi_{48,0}$	.	2	1	.	.	1	.	1	1	.	1	.
5824 <sub>2</sub> = $\chi_{48,1}$	1	1	2	.	.	.	1	1	1	1	.	.
11648 <sub>1</sub> = $\chi_{49+}$	1	3	3	.	.	1	1	2	2	1	1	.
13104 <sub>1</sub> = $\chi_{51+}$	1	3	3	.	.	.	.	2	2	2	2	.
14742 <sub>1</sub> = $\chi_{53+}$	2	4	4	1	1	1	1	1	1	.	.	1
8190 <sub>2</sub> = $\chi_{55,0}$	1	1	1	1	.	.	.	.	.	1	.	.
8190 <sub>3</sub> = $\chi_{55,1}$	1	1	1	.	1	.	.	.	.	.	1	.
18954 <sub>1</sub> = $\chi_{56+}$	1	2	2	.	.	.	.	4	4	3	3	.
21840 <sub>1</sub> = $\chi_{58+}$	2	4	4	1	1	1	1	1	1	1	1	.
11648 <sub>2</sub> = $\chi_{60,0}$	2	1	4	.	1	.	1	.	1	1	.	.
11648 <sub>3</sub> = $\chi_{60,1}$	1	4	1	1	.	1	.	1	.	.	1	.
23296 <sub>1</sub> = $\chi_{61+}$	3	5	5	1	1	1	1	1	1	1	1	.
24570 <sub>1</sub> = $\chi_{63+}$	1	5	5	.	.	2	2	2	2	1	1	.
14560 <sub>1</sub> = $\chi_{65,0}$	1	4	2	1	.	1	.	1	1	1	1	.
14560 <sub>2</sub> = $\chi_{65,1}$	2	2	4	.	1	.	1	1	1	1	1	.
29120 <sub>1</sub> = $\chi_{66+}$	3	6	6	1	1	1	1	2	2	2	2	.
16380 <sub>1</sub> = $\chi_{68,0}$	1	5	1	1	1	2	.	1	.	.	1	1
16380 <sub>2</sub> = $\chi_{68,1}$	3	1	5	1	1	.	2	.	1	1	.	.
16640 <sub>1</sub> = $\chi_{69,0}$	2	4	2	1	1	1	.	1	1	.	1	1
16640 <sub>2</sub> = $\chi_{69,1}$	3	2	4	1	1	.	1	1	1	1	.	.
16640 <sub>3</sub> = $\chi_{70,0}$	1	5	4	.	.	2	1	1	1	1	1	.
16640 <sub>4</sub> = $\chi_{70,1}$	1	4	5	.	.	1	2	1	1	1	1	.
17472 <sub>1</sub> = $\chi_{71,0}$	1	4	3	.	1	2	1	1	1	.	1	1
17472 <sub>2</sub> = $\chi_{71,1}$	2	3	4	1	.	1	2	1	1	1	.	.
17920 <sub>1</sub> = $\chi_{72,0}$	2	6	3	1	1	2	.	1	.	.	1	1
17920 <sub>2</sub> = $\chi_{72,1}$	3	3	6	1	1	.	2	.	1	1	.	.
17920 <sub>3</sub> = $\chi_{73,0}$	1	3	3	.	.	1	1	2	2	2	1	.
17920 <sub>4</sub> = $\chi_{73,1}$	1	3	3	.	.	1	1	2	2	1	2	.

(Block 1:)	$\varphi_{13,1}$	$\varphi_{14,0}$	$\varphi_{14,1}$	
$5265_2 = \chi_{43,1}$	1	.	.	
$5460_1 = \chi_{44,0}$	.	.	.	
$5460_2 = \chi_{44,1}$	1	.	.	$\varphi_{1,0} = 1_1$
$5460_3 = \chi_{45,0}$	.	.	.	$\varphi_{1,1} = 1_2$
$5460_4 = \chi_{45,1}$	.	.	.	$\varphi_{2,0} = 13_1$
$10920_1 = \chi_{46+}$	.	.	.	$\varphi_{2,1} = 13_2$
$5824_1 = \chi_{48,0}$	.	.	.	$\varphi_{3,0} = 21_1$
$5824_2 = \chi_{48,1}$	.	.	.	$\varphi_{3,1} = 21_2$
$11648_1 = \chi_{49+}$	.	.	.	$\varphi_{4,0} = 57_1$
$13104_1 = \chi_{51+}$	.	.	.	$\varphi_{4,1} = 57_2$
$14742_1 = \chi_{53+}$	1	.	.	$\varphi_{5,0} = 84_1$
$8190_2 = \chi_{55,0}$	.	1	.	$\varphi_{5,1} = 84_2$
$8190_3 = \chi_{55,1}$	.	.	1	$\varphi_{6,0} = 90_1$
$18954_1 = \chi_{56+}$	.	.	.	$\varphi_{6,1} = 90_2$
$21840_1 = \chi_{58+}$	.	1	1	$\varphi_{7,0} = 189_1$
$11648_2 = \chi_{60,0}$	.	1	.	$\varphi_{7,1} = 189_2$
$11648_3 = \chi_{60,1}$	.	.	1	$\varphi_{8,0} = 358_1$
$23296_1 = \chi_{61+}$	.	1	1	$\varphi_{8,1} = 358_2$
$24570_1 = \chi_{63+}$	.	1	1	$\varphi_{9,0} = 594_1$
$14560_1 = \chi_{65,0}$	.	.	1	$\varphi_{9,1} = 594_2$
$14560_2 = \chi_{65,1}$	.	1	.	$\varphi_{10,0} = 623_1$
$29120_1 = \chi_{66+}$	.	1	1	$\varphi_{10,1} = 623_2$
$16380_1 = \chi_{68,0}$	.	.	1	$\varphi_{11,0} = 903_1$
$16380_2 = \chi_{68,1}$	1	1	.	$\varphi_{11,1} = 903_2$
$16640_1 = \chi_{69,0}$	.	.	1	$\varphi_{12,0} = 1302_1$
$16640_2 = \chi_{69,1}$	1	1	.	$\varphi_{12,1} = 1302_2$
$16640_3 = \chi_{70,0}$	.	.	1	$\varphi_{13,0} = 2457_1$
$16640_4 = \chi_{70,1}$	.	1	.	$\varphi_{13,1} = 2457_2$
$17472_1 = \chi_{71,0}$	.	.	1	$\varphi_{14,0} = 4655_1$
$17472_2 = \chi_{71,1}$	1	1	.	$\varphi_{14,1} = 4655_2$
$17920_1 = \chi_{72,0}$	.	.	1	
$17920_2 = \chi_{72,1}$	1	1	.	
$17920_3 = \chi_{73,0}$	.	1	.	
$17920_4 = \chi_{73,1}$	.	.	1	

<b>Block 4:</b>	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{21,0}$
$28_1 = \chi_{75+}$	.	.	1	1	.	.	.	.	.	.	.
$182_2 = \chi_{77,0}$	.	1	.	.	.	1	1	.	.	.	.
$182_3 = \chi_{77,1}$	1	.	.	.	1	.	.	1	.	.	.
$364_1 = \chi_{78+}$	1	1	.	.	1	1	1	1	.	.	.
$728_1 = \chi_{80+}$	.	.	2	2	1	1	.	.	.	.	1
$520_1 = \chi_{82,0}$	.	.	1	1	1	.	.	1	.	.	.
$520_2 = \chi_{82,1}$	.	.	1	1	.	1	1	.	.	.	.
$1092_2 = \chi_{83+}$	.	.	1	1	.	.	.	.	1	1	.
$1820_3 = \chi_{85+}$	.	.	3	3	1	1	.	.	1	1	1
$1092_3 = \chi_{87,0}$	.	1	2	1	2	.	.	1	.	1	1
$1092_4 = \chi_{87,1}$	1	.	1	2	.	2	1	.	1	.	.
$2184_1 = \chi_{88+}$	1	1	4	4	3	3	.	.	1	1	1
$2184_2 = \chi_{90+}$	1	1	3	3	2	2	1	1	1	1	1
$2520_1 = \chi_{92+}$	.	.	4	4	2	2	.	.	1	1	2
$3640_2 = \chi_{94+}$	1	1	3	3	2	2	1	1	.	.	1
$2730_6 = \chi_{96,0}$	1	1	2	1	2	1	1	1	.	.	1
$2730_7 = \chi_{96,1}$	1	1	1	2	1	2	1	1	.	.	.
$2730_8 = \chi_{97,0}$	1	.	3	3	1	2	1	.	1	.	.
$2730_9 = \chi_{97,1}$	.	1	3	3	2	1	.	1	.	1	2
$5460_5 = \chi_{98+}$	2	2	3	3	3	3	2	2	.	.	1
$5460_6 = \chi_{100+}$	1	1	6	6	3	3	1	1	1	1	2
$3120_1 = \chi_{102,0}$	1	1	2	2	1	2	1	.	1	.	1
$3120_2 = \chi_{102,1}$	1	1	2	2	2	1	.	1	.	1	1
$6552_1 = \chi_{103+}$	2	2	4	4	3	3	2	2	.	.	1
$7280_2 = \chi_{105+}$	2	2	6	6	4	4	2	2	1	1	2
$4368_2 = \chi_{107,0}$	1	1	3	3	2	2	1	1	.	.	.
$4368_3 = \chi_{107,1}$	1	1	3	3	2	2	1	1	.	.	2
$8736_1 = \chi_{108+}$	2	2	6	6	4	4	2	2	.	.	2
$9828_1 = \chi_{110+}$	.	.	6	6	3	3	1	1	1	1	2
$5460_7 = \chi_{112,0}$	.	.	3	4	.	3	1	.	1	1	1
$5460_8 = \chi_{112,1}$	.	.	4	3	3	.	.	1	1	1	1
$10920_2 = \chi_{113+}$	3	3	9	9	6	6	3	3	1	1	3
$5824_3 = \chi_{115,0}$	.	3	6	5	5	2	1	2	.	1	3
$5824_4 = \chi_{115,1}$	3	.	5	6	2	5	2	1	1	.	1
$11648_4 = \chi_{116+}$	3	3	11	11	7	7	3	3	1	1	4
$7280_3 = \chi_{118,0}$	2	2	7	5	6	2	1	3	.	1	3
$7280_4 = \chi_{118,1}$	2	2	5	7	2	6	3	1	1	.	1
$14560_3 = \chi_{119+}$	4	4	12	12	8	8	4	4	1	1	4
$16380_3 = \chi_{121+}$	2	2	10	10	6	6	3	3	1	1	3
$19656_1 = \chi_{123+}$	5	5	14	14	9	9	6	6	1	1	5



(Block 4:)	$\varphi_{21,1}$	$\varphi_{22,0}$	$\varphi_{22,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{25,0}$	$\varphi_{25,1}$	$\varphi_{26,0}$	$\varphi_{26,1}$
$28_1 = \chi_{75+}$	.	.	.	.	.	.	.	.	.	.	.
$182_2 = \chi_{77,0}$	.	.	.	.	.	.	.	.	.	.	.
$182_3 = \chi_{77,1}$	.	.	.	.	.	.	.	.	.	.	.
$364_1 = \chi_{78+}$	.	.	.	.	.	.	.	.	.	.	.
$728_1 = \chi_{80+}$	1	.	.	.	.	.	.	.	.	.	.
$520_1 = \chi_{82,0}$	.	1	.	.	.	.	.	.	.	.	.
$520_2 = \chi_{82,1}$	.	.	1	.	.	.	.	.	.	.	.
$1092_2 = \chi_{83+}$	.	1	1	.	.	.	.	.	.	.	.
$1820_3 = \chi_{85+}$	1	1	1	.	.	.	.	.	.	.	.
$1092_3 = \chi_{87,0}$	.	1	.	.	.	.	.	.	.	.	.
$1092_4 = \chi_{87,1}$	1	.	1	.	.	.	.	.	.	.	.
$2184_1 = \chi_{88+}$	1	.	.	1	1	.	.	.	.	.	.
$2184_2 = \chi_{90+}$	1	1	1	.	.	.	.	.	.	.	.
$2520_1 = \chi_{92+}$	2	1	1	.	.	.	.	.	.	.	.
$3640_2 = \chi_{94+}$	1	.	.	.	.	1	1	.	.	.	.
$2730_6 = \chi_{96,0}$	.	.	.	.	1	.	.	1	.	.	.
$2730_7 = \chi_{96,1}$	1	.	.	1	.	.	.	.	1	.	.
$2730_8 = \chi_{97,0}$	2	.	1	.	.	1	.	.	.	.	.
$2730_9 = \chi_{97,1}$	.	1	.	.	.	.	1	.	.	.	.
$5460_5 = \chi_{98+}$	1	.	.	1	1	.	.	1	1	.	.
$5460_6 = \chi_{100+}$	2	1	1	.	.	1	1	.	.	.	.
$3120_1 = \chi_{102,0}$	1	.	.	.	1	.	.	1	.	.	.
$3120_2 = \chi_{102,1}$	1	.	.	1	.	.	.	.	1	.	.
$6552_1 = \chi_{103+}$	1	.	.	.	.	2	2	.	.	.	.
$7280_2 = \chi_{105+}$	2	1	1	1	1	.	.	1	1	.	.
$4368_2 = \chi_{107,0}$	2	.	.	1	.	1	.	.	1	.	.
$4368_3 = \chi_{107,1}$	.	.	.	.	1	.	1	1	.	.	.
$8736_1 = \chi_{108+}$	2	.	.	1	1	1	1	1	1	.	.
$9828_1 = \chi_{110+}$	2	1	1	.	.	.	.	.	.	1	1
$5460_7 = \chi_{112,0}$	1	1	1	.	.	.	.	.	.	1	.
$5460_8 = \chi_{112,1}$	1	1	1	.	.	.	.	.	.	.	1
$10920_2 = \chi_{113+}$	3	1	1	1	1	1	1	1	1	.	.
$5824_3 = \chi_{115,0}$	1	1	.	.	1	.	1	1	.	.	.
$5824_4 = \chi_{115,1}$	3	.	1	1	.	1	.	.	1	.	.
$11648_4 = \chi_{116+}$	4	1	1	1	1	1	1	1	1	.	.
$7280_3 = \chi_{118,0}$	1	1	.	.	1	1	1	1	.	.	.
$7280_4 = \chi_{118,1}$	3	.	1	1	.	1	1	.	1	.	.
$14560_3 = \chi_{119+}$	4	1	1	1	1	2	2	1	1	.	.
$16380_3 = \chi_{121+}$	3	1	1	.	.	2	2	.	.	1	1
$19656_1 = \chi_{123+}$	5	2	2	1	1	2	2	2	2	.	.

<b>(Block 4:)</b>	$\varphi_{27,0}$	$\varphi_{27,1}$
$28_1 = \chi_{75+}$	.	.
$182_2 = \chi_{77,0}$	.	.
$182_3 = \chi_{77,1}$	.	.
$364_1 = \chi_{78+}$	.	.
$728_1 = \chi_{80+}$	.	.
$520_1 = \chi_{82,0}$	.	.
$520_2 = \chi_{82,1}$	.	.
$1092_2 = \chi_{83+}$	.	.
$1820_3 = \chi_{85+}$	.	.
$1092_3 = \chi_{87,0}$	.	.
$1092_4 = \chi_{87,1}$	.	.
$2184_1 = \chi_{88+}$	.	.
$2184_2 = \chi_{90+}$	.	.
$2520_1 = \chi_{92+}$	.	.
$3640_2 = \chi_{94+}$	.	.
$2730_6 = \chi_{96,0}$	.	.
$2730_7 = \chi_{96,1}$	.	.
$2730_8 = \chi_{97,0}$	.	.
$2730_9 = \chi_{97,1}$	.	.
$5460_5 = \chi_{98+}$	.	.
$5460_6 = \chi_{100+}$	.	.
$3120_1 = \chi_{102,0}$	.	.
$3120_2 = \chi_{102,1}$	.	.
$6552_1 = \chi_{103+}$	.	.
$7280_2 = \chi_{105+}$	.	.
$4368_2 = \chi_{107,0}$	.	.
$4368_3 = \chi_{107,1}$	.	.
$8736_1 = \chi_{108+}$	.	.
$9828_1 = \chi_{110+}$	.	.
$5460_7 = \chi_{112,0}$	.	.
$5460_8 = \chi_{112,1}$	.	.
$10920_2 = \chi_{113+}$	.	.
$5824_3 = \chi_{115,0}$	.	.
$5824_4 = \chi_{115,1}$	.	.
$11648_4 = \chi_{116+}$	.	.
$7280_3 = \chi_{118,0}$	.	.
$7280_4 = \chi_{118,1}$	.	.
$14560_3 = \chi_{119+}$	.	.
$16380_3 = \chi_{121+}$	.	.
$19656_1 = \chi_{123+}$	.	.

(Block 4:)	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{21,0}$
$20412_1 = \chi_{125+}$	4	4	10	10	7	7	5	5	.	.	2
$21840_2 = \chi_{127+}$	3	3	16	16	9	9	4	4	3	3	5
$11648_5 = \chi_{129,0}$	2	1	7	9	3	6	2	2	1	1	2
$11648_6 = \chi_{129,1}$	1	2	9	7	6	3	2	2	1	1	3
$23296_2 = \chi_{130+}$	3	3	16	16	9	9	4	4	2	2	5
$14040_1 = \chi_{132,0}$	3	2	9	11	4	8	3	2	2	2	2
$14040_2 = \chi_{132,1}$	2	3	11	9	8	4	2	3	2	2	5
$14742_2 = \chi_{133,0}$	2	.	4	6	1	4	2	.	2	.	.
$14742_3 = \chi_{133,1}$	.	2	6	4	4	1	.	2	.	2	4
$29484_1 = \chi_{134+}$	2	2	10	10	5	5	2	2	2	2	4
$16640_5 = \chi_{136,0}$	3	3	10	11	6	7	4	4	.	1	3
$16640_6 = \chi_{136,1}$	3	3	11	10	7	6	4	4	1	.	3
$16640_7 = \chi_{137,0}$	2	1	8	8	4	5	2	1	2	1	2
$16640_8 = \chi_{137,1}$	1	2	8	8	5	4	1	2	1	2	4
$17472_3 = \chi_{138,0}$	2	2	7	7	5	4	1	2	1	1	4
$17472_4 = \chi_{138,1}$	2	2	7	7	4	5	2	1	1	1	1
$17920_5 = \chi_{139,0}$	3	3	12	13	7	9	4	4	1	2	4
$17920_6 = \chi_{139,1}$	3	3	13	12	9	7	4	4	2	1	5
$17920_7 = \chi_{140,0}$	2	2	9	8	5	4	1	2	1	2	4
$17920_8 = \chi_{140,1}$	2	2	8	9	4	5	2	1	2	1	2
$21840_3 = \chi_{141,0}$	3	3	9	10	6	6	3	3	1	1	3
$21840_4 = \chi_{141,1}$	3	3	10	9	6	6	3	3	1	1	4

(Block 4:)	$\varphi_{21,1}$	$\varphi_{22,0}$	$\varphi_{22,1}$	$\varphi_{23,0}$	$\varphi_{23,1}$	$\varphi_{24,0}$	$\varphi_{24,1}$	$\varphi_{25,0}$	$\varphi_{25,1}$	$\varphi_{26,0}$	$\varphi_{26,1}$
20412 <sub>1</sub> = $\chi_{125+}$	2	.	.	.	.	4	4	.	.	1	1
21840 <sub>2</sub> = $\chi_{127+}$	5	3	3	1	1	1	1	1	1	1	1
11648 <sub>5</sub> = $\chi_{129,0}$	3	1	1	1	.	1	1	.	1	1	.
11648 <sub>6</sub> = $\chi_{129,1}$	2	1	1	.	1	1	1	1	.	.	1
23296 <sub>2</sub> = $\chi_{130+}$	5	2	2	1	1	2	2	1	1	1	1
14040 <sub>1</sub> = $\chi_{132,0}$	5	1	2	2	.	1	.	.	2	1	.
14040 <sub>2</sub> = $\chi_{132,1}$	2	2	1	.	2	.	1	2	.	.	1
14742 <sub>2</sub> = $\chi_{133,0}$	4	.	3	1	.	1	.	.	1	.	.
14742 <sub>3</sub> = $\chi_{133,1}$	.	3	.	.	1	.	1	1	.	.	.
29484 <sub>1</sub> = $\chi_{134+}$	4	3	3	1	1	1	1	1	1	.	.
16640 <sub>5</sub> = $\chi_{136,0}$	3	1	1	1	.	2	2	1	1	1	.
16640 <sub>6</sub> = $\chi_{136,1}$	3	1	1	.	1	2	2	1	1	.	1
16640 <sub>7</sub> = $\chi_{137,0}$	4	1	3	1	1	1	.	.	1	.	.
16640 <sub>8</sub> = $\chi_{137,1}$	2	3	1	1	1	.	1	1	.	.	.
17472 <sub>3</sub> = $\chi_{138,0}$	1	2	.	1	2	.	1	2	.	.	.
17472 <sub>4</sub> = $\chi_{138,1}$	4	.	2	2	1	1	.	.	2	.	.
17920 <sub>5</sub> = $\chi_{139,0}$	5	1	2	2	.	1	1	1	2	1	.
17920 <sub>6</sub> = $\chi_{139,1}$	4	2	1	.	2	1	1	2	1	.	1
17920 <sub>7</sub> = $\chi_{140,0}$	2	3	1	1	1	1	1	1	.	.	.
17920 <sub>8</sub> = $\chi_{140,1}$	4	1	3	1	1	1	1	.	1	.	.
21840 <sub>3</sub> = $\chi_{141,0}$	4	1	2	2	1	1	1	1	2	.	.
21840 <sub>4</sub> = $\chi_{141,1}$	3	2	1	1	2	1	1	2	1	.	.

(Block 4:)	$\varphi_{27,0}$	$\varphi_{27,1}$	
			$\varphi_{16,0} = 6_1$
			$\varphi_{16,1} = 6_2$
$20412_1 = \chi_{125+}$	.	.	$\varphi_{17,0} = 14_1$
$21840_2 = \chi_{127+}$	.	.	$\varphi_{17,1} = 14_2$
$11648_5 = \chi_{129,0}$	.	.	$\varphi_{18,0} = 50_1$
$11648_6 = \chi_{129,1}$	.	.	$\varphi_{18,1} = 50_2$
$23296_2 = \chi_{130+}$	.	.	$\varphi_{19,0} = 126_1$
$14040_1 = \chi_{132,0}$	.	.	$\varphi_{19,1} = 126_2$
$14040_2 = \chi_{132,1}$	.	.	$\varphi_{20,0} = 216_1$
$14742_2 = \chi_{133,0}$	1	.	$\varphi_{20,1} = 216_2$
$14742_3 = \chi_{133,1}$	.	1	$\varphi_{21,0} = 286_1$
$29484_1 = \chi_{134+}$	1	1	$\varphi_{21,1} = 286_2$
$16640_5 = \chi_{136,0}$	.	.	$\varphi_{22,0} = 316_1$
$16640_6 = \chi_{136,1}$	.	.	$\varphi_{22,1} = 316_2$
$16640_7 = \chi_{137,0}$	1	.	$\varphi_{23,0} = 378_1$
$16640_8 = \chi_{137,1}$	.	1	$\varphi_{23,1} = 378_2$
$17472_3 = \chi_{138,0}$	.	1	$\varphi_{24,0} = 1260_1$
$17472_4 = \chi_{138,1}$	1	.	$\varphi_{24,1} = 1260_2$
$17920_5 = \chi_{139,0}$	.	.	$\varphi_{25,0} = 1610_1$
$17920_6 = \chi_{139,1}$	.	.	$\varphi_{25,1} = 1610_2$
$17920_7 = \chi_{140,0}$	.	1	$\varphi_{26,0} = 3450_1$
$17920_8 = \chi_{140,1}$	1	.	$\varphi_{26,1} = 3450_2$
$21840_3 = \chi_{141,0}$	1	.	$\varphi_{27,0} = 8316_1$
$21840_4 = \chi_{141,1}$	.	1	$\varphi_{27,1} = 8316_2$