

$U_3(11).3 \pmod{5}$

	blocks	defect	matrix
$G :$	1	1	4×2
	2	1	4×2
	$3 = \overline{2}$	1	4×2
	4	0	$110_1 = \chi_{2,0}, \varphi_{2,0}$
	5	0	$110_2 = \chi_{2,1}, \varphi_{2,1}$
	$6 = \overline{5}$	0	$110_3 = \chi_{2,2}, \varphi_{2,2}$
	7	1	4×2
	8	1	4×2
	$9 = \overline{8}$	1	4×2
	10	1	4×2
	11	1	4×2
	12	1	4×2
	$13 = \overline{10}$	1	4×2
	$14 = \overline{12}$	1	4×2
	$15 = \overline{11}$	1	4×2
	16	0	$1110_1 = \chi_{6+}, \varphi_{6+}$
	17	0	$1110_2 = \chi_{9,0}, \varphi_{9,0}$
	18	0	$1110_3 = \chi_{9,1}, \varphi_{9,1}$
	$19 = \overline{18}$	0	$1110_4 = \chi_{9,2}, \varphi_{9,2}$
	20	0	$1110_5 = \chi_{10,0}, \varphi_{10,0}$
	21	0	$1110_6 = \chi_{10,1}, \varphi_{10,1}$
	$22 = \overline{21}$	0	$1110_7 = \chi_{10,2}, \varphi_{10,2}$
	23	0	$1110_8 = \chi_{11,0}, \varphi_{11,0}$
	24	0	$1110_9 = \chi_{11,1}, \varphi_{11,1}$
	$25 = \overline{24}$	0	$1110_{10} = \chi_{11,2}, \varphi_{11,2}$
	26	0	$1110_{11} = \chi_{12,0}, \varphi_{12,0}$
	27	0	$1110_{12} = \chi_{12,1}, \varphi_{12,1}$
	$28 = \overline{27}$	0	$1110_{13} = \chi_{12,2}, \varphi_{12,2}$
	29	0	$1110_{14} = \chi_{13,0}, \varphi_{13,0}$
	30	0	$1110_{15} = \chi_{13,1}, \varphi_{13,1}$
	31	0	$1110_{16} = \chi_{13,2}, \varphi_{13,2}$
	$32 = \overline{29}$	0	$1110_{17} = \chi_{14,0}, \varphi_{14,0}$
	$33 = \overline{31}$	0	$1110_{18} = \chi_{14,1}, \varphi_{14,1}$
	$34 = \overline{30}$	0	$1110_{19} = \chi_{14,2}, \varphi_{14,2}$
	35	1	5×1
	36	1	5×1
	37	1	5×1
	$38 = \overline{35}$	1	5×1
	$39 = \overline{37}$	1	5×1
	$40 = \overline{36}$	1	5×1

	blocks	defect	matrix
	41	0	$1440_1 = \chi_{37,0}, \varphi_{21,0}$
	42	0	$1440_2 = \chi_{37,1}, \varphi_{21,1}$
	43	0	$1440_3 = \chi_{37,2}, \varphi_{21,2}$
	$44 = \overline{41}$	0	$1440_4 = \chi_{38,0}, \varphi_{22,0}$
	$45 = \overline{43}$	0	$1440_5 = \chi_{38,1}, \varphi_{22,1}$
	$46 = \overline{42}$	0	$1440_6 = \chi_{38,2}, \varphi_{22,2}$
	47	0	$1440_7 = \chi_{39,0}, \varphi_{23,0}$
	48	0	$1440_8 = \chi_{39,1}, \varphi_{23,1}$
	49	0	$1440_9 = \chi_{39,2}, \varphi_{23,2}$
	$50 = \overline{47}$	0	$1440_{10} = \chi_{40,0}, \varphi_{24,0}$
	$51 = \overline{49}$	0	$1440_{11} = \chi_{40,1}, \varphi_{24,1}$
	$52 = \overline{48}$	0	$1440_{12} = \chi_{40,2}, \varphi_{24,2}$
	53	0	$1440_{13} = \chi_{41,0}, \varphi_{25,0}$
	54	0	$1440_{14} = \chi_{41,1}, \varphi_{25,1}$
	55	0	$1440_{15} = \chi_{41,2}, \varphi_{25,2}$
	$56 = \overline{53}$	0	$1440_{16} = \chi_{42,0}, \varphi_{26,0}$
	$57 = \overline{55}$	0	$1440_{17} = \chi_{42,1}, \varphi_{26,1}$
	$58 = \overline{54}$	0	$1440_{18} = \chi_{42,2}, \varphi_{26,2}$
	59	0	$1440_{19} = \chi_{43,0}, \varphi_{27,0}$
	60	0	$1440_{20} = \chi_{43,1}, \varphi_{27,1}$
	61	0	$1440_{21} = \chi_{43,2}, \varphi_{27,2}$
	$62 = \overline{59}$	0	$1440_{22} = \chi_{44,0}, \varphi_{28,0}$
	$63 = \overline{61}$	0	$1440_{23} = \chi_{44,1}, \varphi_{28,1}$
	$64 = \overline{60}$	0	$1440_{24} = \chi_{44,2}, \varphi_{28,2}$
	65	0	$1440_{25} = \chi_{45,0}, \varphi_{29,0}$
	66	0	$1440_{26} = \chi_{45,1}, \varphi_{29,1}$
	67	0	$1440_{27} = \chi_{45,2}, \varphi_{29,2}$
	$68 = \overline{65}$	0	$1440_{28} = \chi_{46,0}, \varphi_{30,0}$
	$69 = \overline{67}$	0	$1440_{29} = \chi_{46,1}, \varphi_{30,1}$
	$70 = \overline{66}$	0	$1440_{30} = \chi_{46,2}, \varphi_{30,2}$
	71	0	$1440_{31} = \chi_{47,0}, \varphi_{31,0}$
	72	0	$1440_{32} = \chi_{47,1}, \varphi_{31,1}$
	73	0	$1440_{33} = \chi_{47,2}, \varphi_{31,2}$
	$74 = \overline{71}$	0	$1440_{34} = \chi_{48,0}, \varphi_{32,0}$
	$75 = \overline{73}$	0	$1440_{35} = \chi_{48,1}, \varphi_{32,1}$
	$76 = \overline{72}$	0	$1440_{36} = \chi_{48,2}, \varphi_{32,2}$
3.G :	77	1	4×2
	78	1	4×2
	79	1	4×2
	$80 = 77*$		

	blocks	defect	matrix
	81 = 79*		
	82 = 78*		
	83	1	4×2
	84	1	4×2
	85	1	4×2
	86 = 83*		
	87 = 85*		
	88 = 84*		
	89	1	4×2
	90	1	4×2
	91	1	4×2
	92 = 89*		
	93 = 91*		
	94 = 90*		
	95 = $\overline{92}$	1	4×2
	96 = $\overline{94}$	1	4×2
	97 = $\overline{93}$	1	4×2
	98 = 95*		
	99 = 97*		
	100 = 96*		
	101	0	$1440_{37} = \chi_{53+}, \varphi_{37+}$
	102 = 101*		
	103	0	$1110_{20} = \chi_{56,0}, \varphi_{40,0}$
	104	0	$1110_{21} = \chi_{56,1}, \varphi_{40,1}$
	105	0	$1110_{22} = \chi_{56,2}, \varphi_{40,2}$
	106 = 103*		
	107 = 105*		
	108 = 104*		
	109	0	$1110_{26} = \chi_{57,0}, \varphi_{41,0}$
	110	0	$1110_{27} = \chi_{57,1}, \varphi_{41,1}$
	111	0	$1110_{28} = \chi_{57,2}, \varphi_{41,2}$
	112 = 109*		
	113 = 111*		
	114 = 110*		
	115	0	$1110_{32} = \chi_{58,0}, \varphi_{42,0}$
	116	0	$1110_{33} = \chi_{58,1}, \varphi_{42,1}$
	117	0	$1110_{34} = \chi_{58,2}, \varphi_{42,2}$
	118 = 115*		
	119 = 117*		
	120 = 116*		

	blocks	defect	matrix
	$121 = \overline{118}$	0	$1110_{38} = \chi_{59,0}, \varphi_{43,0}$
	$122 = \overline{120}$	0	$1110_{39} = \chi_{59,1}, \varphi_{43,1}$
	$123 = \overline{119}$	0	$1110_{40} = \chi_{59,2}, \varphi_{43,2}$
	$124 = 121^*$		
	$125 = 123^*$		
	$126 = 122^*$		
	127	0	$1110_{44} = \chi_{60,0}, \varphi_{44,0}$
	128	0	$1110_{45} = \chi_{60,1}, \varphi_{44,1}$
	129	0	$1110_{46} = \chi_{60,2}, \varphi_{44,2}$
	$130 = 127^*$		
	$131 = 129^*$		
	$132 = 128^*$		
	$133 = \overline{130}$	0	$1110_{50} = \chi_{61,0}, \varphi_{45,0}$
	$134 = \overline{132}$	0	$1110_{51} = \chi_{61,1}, \varphi_{45,1}$
	$135 = \overline{131}$	0	$1110_{52} = \chi_{61,2}, \varphi_{45,2}$
	$136 = 133^*$		
	$137 = 135^*$		
	$138 = 134^*$		
	139	1	5×1
	140	1	5×1
	141	1	5×1
	$142 = 139^*$		
	$143 = 141^*$		
	$144 = 140^*$		
	$145 = \overline{142}$	1	5×1
	$146 = \overline{144}$	1	5×1
	$147 = \overline{143}$	1	5×1
	$148 = 145^*$		
	$149 = 147^*$		
	$150 = 146^*$		
	151	0	$1440_{39} = \chi_{84,0}, \varphi_{52,0}$
	152	0	$1440_{40} = \chi_{84,1}, \varphi_{52,1}$
	153	0	$1440_{41} = \chi_{84,2}, \varphi_{52,2}$
	$154 = 151^*$		
	$155 = 153^*$		
	$156 = 152^*$		
	$157 = \overline{154}$	0	$1440_{45} = \chi_{85,0}, \varphi_{53,0}$
	$158 = \overline{156}$	0	$1440_{46} = \chi_{85,1}, \varphi_{53,1}$
	$159 = \overline{155}$	0	$1440_{47} = \chi_{85,2}, \varphi_{53,2}$
	$160 = 157^*$		

	blocks	defect	matrix
	161 = 159*		
	162 = 158*		
	163	0	$1440_{51} = \chi_{86,0}, \varphi_{54,0}$
	164	0	$1440_{52} = \chi_{86,1}, \varphi_{54,1}$
	165	0	$1440_{53} = \chi_{86,2}, \varphi_{54,2}$
	166 = 163*		
	167 = 165*		
	168 = 164*		
	169 = $\overline{166}$	0	$1440_{57} = \chi_{87,0}, \varphi_{55,0}$
	170 = $\overline{168}$	0	$1440_{58} = \chi_{87,1}, \varphi_{55,1}$
	171 = $\overline{167}$	0	$1440_{59} = \chi_{87,2}, \varphi_{55,2}$
	172 = 169*		
	173 = 171*		
	174 = 170*		
	175	0	$1440_{63} = \chi_{88,0}, \varphi_{56,0}$
	176	0	$1440_{64} = \chi_{88,1}, \varphi_{56,1}$
	177	0	$1440_{65} = \chi_{88,2}, \varphi_{56,2}$
	178 = 175*		
	179 = 177*		
	180 = 176*		
	181 = $\overline{178}$	0	$1440_{69} = \chi_{89,0}, \varphi_{57,0}$
	182 = $\overline{180}$	0	$1440_{70} = \chi_{89,1}, \varphi_{57,1}$
	183 = $\overline{179}$	0	$1440_{71} = \chi_{89,2}, \varphi_{57,2}$
	184 = 181*		
	185 = 183*		
	186 = 182*		
	187	0	$1440_{75} = \chi_{90,0}, \varphi_{58,0}$
	188	0	$1440_{76} = \chi_{90,1}, \varphi_{58,1}$
	189	0	$1440_{77} = \chi_{90,2}, \varphi_{58,2}$
	190 = 187*		
	191 = 189*		
	192 = 188*		
	193 = $\overline{190}$	0	$1440_{81} = \chi_{91,0}, \varphi_{59,0}$
	194 = $\overline{192}$	0	$1440_{82} = \chi_{91,1}, \varphi_{59,1}$
	195 = $\overline{191}$	0	$1440_{83} = \chi_{91,2}, \varphi_{59,2}$
	196 = 193*		
	197 = 195*		
	198 = 194*		
	199	0	$1440_{87} = \chi_{92,0}, \varphi_{60,0}$
	200	0	$1440_{88} = \chi_{92,1}, \varphi_{60,1}$

	blocks	defect	matrix
	201	0	$1440_{89} = \chi_{92,2}, \varphi_{60,2}$
	202 = 199*		
	203 = 201*		
	204 = 200*		
	205 = $\overline{202}$	0	$1440_{93} = \chi_{93,0}, \varphi_{61,0}$
	206 = $\overline{204}$	0	$1440_{94} = \chi_{93,1}, \varphi_{61,1}$
	207 = $\overline{203}$	0	$1440_{95} = \chi_{93,2}, \varphi_{61,2}$
	208 = 205*		
	209 = 207*		
	210 = 206*		
	211	0	$1440_{99} = \chi_{94,0}, \varphi_{62,0}$
	212	0	$1440_{100} = \chi_{94,1}, \varphi_{62,1}$
	213	0	$1440_{101} = \chi_{94,2}, \varphi_{62,2}$
	214 = 211*		
	215 = 213*		
	216 = 212*		
	217 = $\overline{214}$	0	$1440_{105} = \chi_{95,0}, \varphi_{63,0}$
	218 = $\overline{216}$	0	$1440_{106} = \chi_{95,1}, \varphi_{63,1}$
	219 = $\overline{215}$	0	$1440_{107} = \chi_{95,2}, \varphi_{63,2}$
	220 = 217*		
	221 = 219*		
	222 = 218*		

Block 1:	$\varphi_{1,0}$	$\varphi_{18,0}$	
$1_1 = \chi_{1,0}$	1	.	$\varphi_{1,0} = 1_1$
$1331_1 = \chi_{18,0}$	.	1	$\varphi_{18,0} = 1331_1$
$1332_7 = \chi_{21,0}$	1	1	
$1332_{10} = \chi_{22,0}$	1	1	

Block 2:	$\varphi_{1,1}$	$\varphi_{18,1}$	
$1_2 = \chi_{1,1}$	1	.	$\varphi_{1,1} = 1_2$
$1331_2 = \chi_{18,1}$	.	1	$\varphi_{18,1} = 1331_2$
$1332_8 = \chi_{21,1}$	1	1	
$1332_{11} = \chi_{22,1}$	1	1	

Block 3:	$\varphi_{1,2}$	$\varphi_{18,2}$		
$1_3 = \chi_{1,2}$	1	.	$\varphi_{1,2} =$	1_3
$1331_3 = \chi_{18,2}$	.	1	$\varphi_{18,2} =$	1331_3
$1332_9 = \chi_{21,2}$	1	1		
$1332_{12} = \chi_{22,2}$	1	1		

Block 7:	$\varphi_{3,0}$	$\varphi_{15,0}$		
$111_1 = \chi_{3,0}$	1	.	$\varphi_{3,0} =$	111_1
$1221_1 = \chi_{15,0}$	.	1	$\varphi_{15,0} =$	1221_1
$1332_{13} = \chi_{23,0}$	1	1		
$1332_{16} = \chi_{24,0}$	1	1		

Block 8:	$\varphi_{3,1}$	$\varphi_{15,1}$		
$111_2 = \chi_{3,1}$	1	.	$\varphi_{3,1} =$	111_2
$1221_2 = \chi_{15,1}$	.	1	$\varphi_{15,1} =$	1221_2
$1332_{14} = \chi_{23,1}$	1	1		
$1332_{17} = \chi_{24,1}$	1	1		

Block 9:	$\varphi_{3,2}$	$\varphi_{15,2}$		
$111_3 = \chi_{3,2}$	1	.	$\varphi_{3,2} =$	111_3
$1221_3 = \chi_{15,2}$	.	1	$\varphi_{15,2} =$	1221_3
$1332_{15} = \chi_{23,2}$	1	1		
$1332_{18} = \chi_{24,2}$	1	1		

Block 10:	$\varphi_{4,0}$	$\varphi_{17,0}$		
$111_4 = \chi_{4,0}$	1	.	$\varphi_{4,0} =$	111_4
$1221_7 = \chi_{17,0}$	.	1	$\varphi_{17,0} =$	1221_7
$1332_{22} = \chi_{26,0}$	1	1		
$1332_{28} = \chi_{28,0}$	1	1		

Block 11:	$\varphi_{4,1}$	$\varphi_{17,1}$		
$111_5 = \chi_{4,1}$	1	.	$\varphi_{4,1} =$	111_5
$1221_8 = \chi_{17,1}$	.	1	$\varphi_{17,1} =$	1221_8
$1332_{23} = \chi_{26,1}$	1	1		
$1332_{29} = \chi_{28,1}$	1	1		

Block 12:	$\varphi_{4,2}$	$\varphi_{17,2}$		
$111_6 = \chi_{4,2}$	1	.	$\varphi_{4,2} =$	111_6
$1221_9 = \chi_{17,2}$	.	1	$\varphi_{17,2} =$	1221_9
$1332_{24} = \chi_{26,2}$	1	1		
$1332_{30} = \chi_{28,2}$	1	1		

Block 13:	$\varphi_{5,0}$	$\varphi_{16,0}$		
$111_7 = \chi_{5,0}$	1	.	$\varphi_{5,0} =$	111_7
$1221_4 = \chi_{16,0}$	.	1	$\varphi_{16,0} =$	1221_4
$1332_{19} = \chi_{25,0}$	1	1		
$1332_{25} = \chi_{27,0}$	1	1		

Block 14:	$\varphi_{5,1}$	$\varphi_{16,1}$		
$111_8 = \chi_{5,1}$	1	.	$\varphi_{5,1} =$	111_8
$1221_5 = \chi_{16,1}$	.	1	$\varphi_{16,1} =$	1221_5
$1332_{20} = \chi_{25,1}$	1	1		
$1332_{26} = \chi_{27,1}$	1	1		

Block 15:	$\varphi_{5,2}$	$\varphi_{16,2}$		
$111_9 = \chi_{5,2}$	1	.	$\varphi_{5,2} =$	111_9
$1221_6 = \chi_{16,2}$	.	1	$\varphi_{16,2} =$	1221_6
$1332_{21} = \chi_{25,2}$	1	1		
$1332_{27} = \chi_{27,2}$	1	1		

Block 35:	$\varphi_{19,0}$
$1332_1 = \chi_{19,0}$	1
$1332_{31} = \chi_{29,0}$	1
$1332_{37} = \chi_{31,0}$	1
$1332_{43} = \chi_{33,0}$	1
$1332_{49} = \chi_{35,0}$	1

$$\varphi_{19,0} = 1332_1$$

Block 36:	$\varphi_{19,1}$
$1332_2 = \chi_{19,1}$	1
$1332_{32} = \chi_{29,1}$	1
$1332_{38} = \chi_{31,1}$	1
$1332_{44} = \chi_{33,1}$	1
$1332_{50} = \chi_{35,1}$	1

$$\varphi_{19,1} = 1332_2$$

Block 37:	$\varphi_{19,2}$
$1332_3 = \chi_{19,2}$	1
$1332_{33} = \chi_{29,2}$	1
$1332_{39} = \chi_{31,2}$	1
$1332_{45} = \chi_{33,2}$	1
$1332_{51} = \chi_{35,2}$	1

$$\varphi_{19,2} = 1332_3$$

Block 38:	$\varphi_{20,0}$
$1332_4 = \chi_{20,0}$	1
$1332_{34} = \chi_{30,0}$	1
$1332_{40} = \chi_{32,0}$	1
$1332_{46} = \chi_{34,0}$	1
$1332_{52} = \chi_{36,0}$	1

$$\varphi_{20,0} = 1332_4$$

Block 39:	$\varphi_{20,1}$
$1332_5 = \chi_{20,1}$	1
$1332_{35} = \chi_{30,1}$	1
$1332_{41} = \chi_{32,1}$	1
$1332_{47} = \chi_{34,1}$	1
$1332_{53} = \chi_{36,1}$	1

$$\varphi_{20,1} = 1332_5$$

Block 40:	$\varphi_{20,2}$
$1332_6 = \chi_{20,2}$	1
$1332_{36} = \chi_{30,2}$	1
$1332_{42} = \chi_{32,2}$	1
$1332_{48} = \chi_{34,2}$	1
$1332_{54} = \chi_{36,2}$	1

$$\varphi_{20,2} = 1332_6$$

Blocks 77, 80:	$\varphi_{33,0}$	$\varphi_{46,0}$
$111_{10} = \chi_{49,0}$	1	.
$1221_{10} = \chi_{62,0}$	.	1
$1332_{67} = \chi_{68,0}$	1	1
$1332_{73} = \chi_{69,0}$	1	1

$$\begin{aligned}\varphi_{33,0} &= 111_{10} \\ \varphi_{46,0} &= 1221_{10}\end{aligned}$$

Blocks 78, 82:	$\varphi_{33,1}$	$\varphi_{46,1}$
$111_{11} = \chi_{49,1}$	1	.
$1221_{11} = \chi_{62,1}$	.	1
$1332_{68} = \chi_{68,1}$	1	1
$1332_{74} = \chi_{69,1}$	1	1

$$\begin{aligned}\varphi_{33,1} &= 111_{11} \\ \varphi_{46,1} &= 1221_{11}\end{aligned}$$

Blocks 79, 81:	$\varphi_{33,2}$	$\varphi_{46,2}$
$111_{12} = \chi_{49,2}$	1	.
$1221_{12} = \chi_{62,2}$	.	1
$1332_{69} = \chi_{68,2}$	1	1
$1332_{75} = \chi_{69,2}$	1	1

$$\begin{aligned}\varphi_{33,2} &= 111_{12} \\ \varphi_{46,2} &= 1221_{12}\end{aligned}$$

Blocks 83, 86:	$\varphi_{34,0}$	$\varphi_{47,0}$
$111_{16} = \chi_{50,0}$	1	.
$1221_{16} = \chi_{63,0}$	.	1
$1332_{79} = \chi_{70,0}$	1	1
$1332_{85} = \chi_{71,0}$	1	1

$$\begin{aligned}\varphi_{34,0} &= 111_{16} \\ \varphi_{47,0} &= 1221_{16}\end{aligned}$$

Blocks 84, 88:	$\varphi_{34,1}$	$\varphi_{47,1}$	
$111_{17} = \chi_{50,1}$	1	.	$\varphi_{34,1} = 111_{17}$
$1221_{17} = \chi_{63,1}$	.	1	$\varphi_{47,1} = 1221_{17}$
$1332_{80} = \chi_{70,1}$	1	1	
$1332_{86} = \chi_{71,1}$	1	1	

Blocks 85, 87:	$\varphi_{34,2}$	$\varphi_{47,2}$	
$111_{18} = \chi_{50,2}$	1	.	$\varphi_{34,2} = 111_{18}$
$1221_{18} = \chi_{63,2}$	.	1	$\varphi_{47,2} = 1221_{18}$
$1332_{81} = \chi_{70,2}$	1	1	
$1332_{87} = \chi_{71,2}$	1	1	

Blocks 89, 92:	$\varphi_{35,0}$	$\varphi_{49,0}$	
$111_{22} = \chi_{51,0}$	1	.	$\varphi_{35,0} = 111_{22}$
$1221_{28} = \chi_{65,0}$	.	1	$\varphi_{49,0} = 1221_{28}$
$1332_{97} = \chi_{73,0}$	1	1	
$1332_{109} = \chi_{75,0}$	1	1	

Blocks 90, 94:	$\varphi_{35,1}$	$\varphi_{49,1}$	
$111_{23} = \chi_{51,1}$	1	.	$\varphi_{35,1} = 111_{23}$
$1221_{29} = \chi_{65,1}$	.	1	$\varphi_{49,1} = 1221_{29}$
$1332_{98} = \chi_{73,1}$	1	1	
$1332_{110} = \chi_{75,1}$	1	1	

Blocks 91, 93:	$\varphi_{35,2}$	$\varphi_{49,2}$	
$111_{24} = \chi_{51,2}$	1	.	$\varphi_{35,2} = 111_{24}$
$1221_{30} = \chi_{65,2}$	.	1	$\varphi_{49,2} = 1221_{30}$
$1332_{99} = \chi_{73,2}$	1	1	
$1332_{111} = \chi_{75,2}$	1	1	

Blocks 95, 98:	$\varphi_{36,0}$	$\varphi_{48,0}$	
$111_{28} = \chi_{52,0}$	1	.	$\varphi_{36,0} = 111_{28}$
$1221_{22} = \chi_{64,0}$	.	1	$\varphi_{48,0} = 1221_{22}$
$1332_{91} = \chi_{72,0}$	1	1	
$1332_{103} = \chi_{74,0}$	1	1	

Blocks 96, 100:	$\varphi_{36,1}$	$\varphi_{48,1}$	
$111_{29} = \chi_{52,1}$	1	.	$\varphi_{36,1} = 111_{29}$
$1221_{23} = \chi_{64,1}$	.	1	$\varphi_{48,1} = 1221_{23}$
$1332_{92} = \chi_{72,1}$	1	1	
$1332_{104} = \chi_{74,1}$	1	1	

Blocks 97, 99:	$\varphi_{36,2}$	$\varphi_{48,2}$	
$111_{30} = \chi_{52,2}$	1	.	$\varphi_{36,2} = 111_{30}$
$1221_{24} = \chi_{64,2}$	.	1	$\varphi_{48,2} = 1221_{24}$
$1332_{93} = \chi_{72,2}$	1	1	
$1332_{105} = \chi_{74,2}$	1	1	

Blocks 139, 142:	$\varphi_{50,0}$	
$1332_{55} = \chi_{66,0}$	1	$\varphi_{50,0} = 1332_7$
$1332_{115} = \chi_{76,0}$	1	
$1332_{127} = \chi_{78,0}$	1	
$1332_{139} = \chi_{80,0}$	1	
$1332_{151} = \chi_{82,0}$	1	

Blocks 140, 144:	$\varphi_{50,1}$	
$1332_{56} = \chi_{66,1}$	1	$\varphi_{50,1} = 1332_8$
$1332_{116} = \chi_{76,1}$	1	
$1332_{128} = \chi_{78,1}$	1	
$1332_{140} = \chi_{80,1}$	1	
$1332_{152} = \chi_{82,1}$	1	

Blocks 141, 143:	$\varphi_{50,2}$	
$1332_{57} = \chi_{66,2}$	1	$\varphi_{50,2} = 1332_9$
$1332_{117} = \chi_{76,2}$	1	
$1332_{129} = \chi_{78,2}$	1	
$1332_{141} = \chi_{80,2}$	1	
$1332_{153} = \chi_{82,2}$	1	

Blocks 145, 148:	$\varphi_{51,0}$	
$1332_{61} = \chi_{67,0}$	1	$\varphi_{51,0} = 1332_{13}$
$1332_{121} = \chi_{77,0}$	1	
$1332_{133} = \chi_{79,0}$	1	
$1332_{145} = \chi_{81,0}$	1	
$1332_{157} = \chi_{83,0}$	1	

Blocks 146, 150:	$\varphi_{51,1}$	
$1332_{62} = \chi_{67,1}$	1	$\varphi_{51,1} = 1332_{14}$
$1332_{122} = \chi_{77,1}$	1	
$1332_{134} = \chi_{79,1}$	1	
$1332_{146} = \chi_{81,1}$	1	
$1332_{158} = \chi_{83,1}$	1	

Blocks 147, 149:	$\varphi_{51,2}$	
$1332_{63} = \chi_{67,2}$	1	$\varphi_{51,2} = 1332_{15}$
$1332_{123} = \chi_{77,2}$	1	
$1332_{135} = \chi_{79,2}$	1	
$1332_{147} = \chi_{81,2}$	1	
$1332_{159} = \chi_{83,2}$	1	