

$U_4(3).4 \pmod{3}$

	blocks	defect	matrix
$G :$	1	6	49×28
	2	0	$729_1 = \chi_{19,0}, \varphi_{8,0}$
	3	0	$729_2 = \chi_{19,1}, \varphi_{8,1}$
	4	0	$729_3 = \chi_{19,2}, \varphi_{8,2}$
	$5 = \bar{3}$	0	$729_4 = \chi_{19,3}, \varphi_{8,3}$
$2.G :$	6	6	49×28
$4.G :$	7	6	43×24
	$8 = 7^*$		

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{1,3}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{2,3}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{3,2}$	$\varphi_{3,3}$	$\varphi_{4,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$1_3 = \chi_{1,2}$	.	.	1	.	.	.	.	.	.	.	.	.	.
$1_4 = \chi_{1,3}$	.	.	.	1	.	.	.	.	.	.	.	.	.
$21_1 = \chi_{2,0}$	.	1	.	1	.	.	.	.	1	.	.	.	.
$21_2 = \chi_{2,1}$	1	.	1	.	.	.	.	.	.	1	.	.	.
$21_3 = \chi_{2,2}$	.	1	.	1	.	.	.	.	.	.	1	.	.
$21_4 = \chi_{2,3}$	1	.	1	.	.	.	.	.	.	.	.	1	.
$70_1 = \chi_{3,0+}$	.	1	.	1	1	.	1	.	.	1	.	1	.
$70_2 = \chi_{3,1+}$	1	.	1	.	.	1	.	1	1	.	1	.	.
$90_1 = \chi_{5,0}$	.	.	2	.	.	.	.	.	.	.	1	.	.
$90_2 = \chi_{5,1}$	.	.	.	2	.	.	.	.	.	.	.	1	.
$90_3 = \chi_{5,2}$	2	.	.	.	.	.	.	.	1	.	.	.	.
$90_4 = \chi_{5,3}$	.	2	.	.	.	.	.	.	.	1	.	.	.
$140_1 = \chi_{6,0}$	1	.	2	.	1	.	1	.	.	1	.	1	.
$140_2 = \chi_{6,1}$	.	1	.	2	.	1	.	1	1	.	1	.	.
$140_3 = \chi_{6,2}$	2	.	1	.	1	.	1	.	.	1	.	1	.
$140_4 = \chi_{6,3}$	.	2	.	1	.	1	.	1	1	.	1	.	.
$189_1 = \chi_{7,0}$	.	.	.	.	2	.	.	.	.	.	.	.	.
$189_2 = \chi_{7,1}$	.	.	.	.	.	2	.	.	.	.	.	.	.
$189_3 = \chi_{7,2}$	.	.	.	.	.	.	2	.	.	.	.	.	.
$189_4 = \chi_{7,3}$	.	.	.	.	.	.	.	2	.	.	.	.	1
$210_1 = \chi_{8,0}$	1	.	.	.	1	.	.	.	.	1	.	1	.
$210_2 = \chi_{8,1}$	.	1	.	.	.	1	.	.	1	.	1	.	.
$210_3 = \chi_{8,2}$	.	.	1	.	.	.	1	.	.	1	.	1	.
$210_4 = \chi_{8,3}$	.	.	.	1	.	.	.	1	1	.	1	.	.
$1120_1 = \chi_{9+}$	.	.	.	.	1	1	1	1	1	1	1	1	1
$630_1 = \chi_{13,0+}$	1	2	1	2	.	2	.	2	2	1	2	1	.
$630_2 = \chi_{13,1+}$	2	1	2	1	2	.	2	.	1	2	1	2	.
$420_1 = \chi_{15,0}$	1	1	.	1	1	.	2	.	1	1	.	1	.
$420_2 = \chi_{15,1}$	1	1	1	.	.	1	.	2	1	1	1	.	1
$420_3 = \chi_{15,2}$	.	1	1	1	2	.	1	.	.	1	1	1	.
$420_4 = \chi_{15,3}$	1	.	1	1	.	2	.	1	1	.	1	1	.
$560_1 = \chi_{16,0}$	.	.	.	.	.	.	1	1	1	1	.	.	1
$560_2 = \chi_{16,1}$	.	.	.	.	1	.	.	1	.	1	1	.	1
$560_3 = \chi_{16,2}$	.	.	.	.	1	1	.	.	.	.	1	1	.
$560_4 = \chi_{16,3}$	.	.	.	.	.	1	1	.	1	.	.	1	.
$640_1 = \chi_{17,0}$	1	2	.	.	.	1	.	2	2	1	1	.	1
$640_2 = \chi_{17,1}$	.	1	2	.	2	.	1	.	.	2	1	1	1
$640_3 = \chi_{17,2}$	.	.	1	2	.	2	.	1	1	.	2	1	.

(Block 1:)	$\varphi_{4,1}$	$\varphi_{4,2}$	$\varphi_{4,3}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{5,2}$	$\varphi_{5,3}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{6,2}$	$\varphi_{6,3}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$1_1 = \chi_{1,0}$
$1_2 = \chi_{1,1}$
$1_3 = \chi_{1,2}$
$1_4 = \chi_{1,3}$
$21_1 = \chi_{2,0}$
$21_2 = \chi_{2,1}$
$21_3 = \chi_{2,2}$
$21_4 = \chi_{2,3}$
$70_1 = \chi_{3,0+}$
$70_2 = \chi_{3,1+}$
$90_1 = \chi_{5,0}$	1	.	.	.	.	.
$90_2 = \chi_{5,1}$	1	.	.	.	.
$90_3 = \chi_{5,2}$	1	.	.	.
$90_4 = \chi_{5,3}$	1	.	.
$140_1 = \chi_{6,0}$	1	.	.	.	.	.
$140_2 = \chi_{6,1}$	1	.	.	.	.
$140_3 = \chi_{6,2}$	1	.	.	.
$140_4 = \chi_{6,3}$	1	.	.
$189_1 = \chi_{7,0}$	1	.	.	.	.	.	1	1	.	.	.	.	.
$189_2 = \chi_{7,1}$.	1	.	1	.	.	.	.	1	.	.	.	.
$189_3 = \chi_{7,2}$.	.	1	.	1	.	.	.	.	1	.	.	.
$189_4 = \chi_{7,3}$	1	.	.	.	.	1	.	.
$210_1 = \chi_{8,0}$	1	.
$210_2 = \chi_{8,1}$	1
$210_3 = \chi_{8,2}$
$210_4 = \chi_{8,3}$
$1120_1 = \chi_{9+}$	1	1	1	1	1	1	1	.	.	.	.	1	1
$630_1 = \chi_{13,0+}$	1	.	1	1	.
$630_2 = \chi_{13,1+}$	1	.	1	.	.	1
$420_1 = \chi_{15,0}$.	.	1	.	1	.	.	.	.	1	.	1	.
$420_2 = \chi_{15,1}$	1	.	.	.	.	1	.	1
$420_3 = \chi_{15,2}$	1	.	.	.	.	.	1	1	.	.	.	.	.
$420_4 = \chi_{15,3}$.	1	.	1	.	.	.	.	1	.	.	.	.
$560_1 = \chi_{16,0}$.	.	1	.	1	1	.	.	.	.	.	1	1
$560_2 = \chi_{16,1}$	1	.	.	.	.	1	1	.	.	.	.	.	1
$560_3 = \chi_{16,2}$	1	1	.	1	.	.	1	.	.	.	.	.	.
$560_4 = \chi_{16,3}$.	1	1	1	1	.	.	.	.	.	.	1	.
$640_1 = \chi_{17,0}$.	.	1	.	.	1	.	.	.	.	1	1	1
$640_2 = \chi_{17,1}$	1	.	.	.	.	.	1	1	.	.	.	.	1
$640_3 = \chi_{17,2}$	1	1	.	1	.	.	.	.	1	.	.	.	.

(Block 1:)	$\varphi_{7,2}$	$\varphi_{7,3}$
$1_1 = \chi_{1,0}$.	.
$1_2 = \chi_{1,1}$.	.
$1_3 = \chi_{1,2}$.	.
$1_4 = \chi_{1,3}$.	.
$21_1 = \chi_{2,0}$.	.
$21_2 = \chi_{2,1}$.	.
$21_3 = \chi_{2,2}$.	.
$21_4 = \chi_{2,3}$.	.
$70_1 = \chi_{3,0+}$.	.
$70_2 = \chi_{3,1+}$.	.
$90_1 = \chi_{5,0}$.	.
$90_2 = \chi_{5,1}$.	.
$90_3 = \chi_{5,2}$.	.
$90_4 = \chi_{5,3}$.	.
$140_1 = \chi_{6,0}$.	.
$140_2 = \chi_{6,1}$.	.
$140_3 = \chi_{6,2}$.	.
$140_4 = \chi_{6,3}$.	.
$189_1 = \chi_{7,0}$.	.
$189_2 = \chi_{7,1}$.	.
$189_3 = \chi_{7,2}$.	.
$189_4 = \chi_{7,3}$.	.
$210_1 = \chi_{8,0}$.	.
$210_2 = \chi_{8,1}$.	.
$210_3 = \chi_{8,2}$	1	.
$210_4 = \chi_{8,3}$.	1
$1120_1 = \chi_{9+}$	1	1
$630_1 = \chi_{13,0+}$	1	.
$630_2 = \chi_{13,1+}$.	1
$420_1 = \chi_{15,0}$.	.
$420_2 = \chi_{15,1}$.	.
$420_3 = \chi_{15,2}$	1	.
$420_4 = \chi_{15,3}$.	1
$560_1 = \chi_{16,0}$.	.
$560_2 = \chi_{16,1}$	1	.
$560_3 = \chi_{16,2}$	1	1
$560_4 = \chi_{16,3}$.	1
$640_1 = \chi_{17,0}$.	.
$640_2 = \chi_{17,1}$	1	.
$640_3 = \chi_{17,2}$	1	1

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{1,2}$	$\varphi_{1,3}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{2,2}$	$\varphi_{2,3}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{3,2}$	$\varphi_{3,3}$	$\varphi_{4,0}$
$640_4 = \chi_{17,3}$	2	.	.	1	1	.	2	.	1	1	.	2	.
$640_5 = \chi_{18,0}$	1	.	.	2	.	2	.	1	2	.	1	1	.
$640_6 = \chi_{18,1}$	2	1	.	.	1	.	2	.	1	2	.	1	.
$640_7 = \chi_{18,2}$	.	2	1	.	.	1	.	2	1	1	2	.	1
$640_8 = \chi_{18,3}$	.	.	2	1	2	.	1	.	.	1	1	2	.
$896_1 = \chi_{20,0}$	1	1	2	1	1	1	1	1	1	1	3	1	1
$896_2 = \chi_{20,1}$	1	1	1	2	1	1	1	1	1	1	1	3	.
$896_3 = \chi_{20,2}$	2	1	1	1	1	1	1	1	3	1	1	1	.
$896_4 = \chi_{20,3}$	1	2	1	1	1	1	1	1	1	3	1	1	1

(Block 1:)	$\varphi_{4,1}$	$\varphi_{4,2}$	$\varphi_{4,3}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{5,2}$	$\varphi_{5,3}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{6,2}$	$\varphi_{6,3}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$640_4 = \chi_{17,3}$	.	1	1	.	1	.	.	.	.	1	.	1	.
$640_5 = \chi_{18,0}$	.	1	.	1	1	.	.	.	1	.	.	1	.
$640_6 = \chi_{18,1}$	.	.	1	.	1	1	.	.	.	1	.	1	1
$640_7 = \chi_{18,2}$	.	.	.	.	.	1	1	.	.	.	1	.	1
$640_8 = \chi_{18,3}$	1	.	.	1	.	.	1	1	.	.	.	.	.
$896_1 = \chi_{20,0}$	1	.	.	1	.	.	1	1	.	.	.	.	1
$896_2 = \chi_{20,1}$	1	1	.	1	1	.	.	.	1	.	.	1	.
$896_3 = \chi_{20,2}$	.	1	1	.	1	1	.	.	.	1	.	1	1
$896_4 = \chi_{20,3}$	.	.	1	.	.	1	1	.	.	.	1	1	1

(Block 1:)	$\varphi_{7,2}$	$\varphi_{7,3}$
$640_4 = \chi_{17,3}$	.	1
$640_5 = \chi_{18,0}$	.	1
$640_6 = \chi_{18,1}$	.	.
$640_7 = \chi_{18,2}$	1	.
$640_8 = \chi_{18,3}$	1	1
$896_1 = \chi_{20,0}$	1	1
$896_2 = \chi_{20,1}$	1	1
$896_3 = \chi_{20,2}$	.	1
$896_4 = \chi_{20,3}$	1	.

- $\varphi_{1,0} = 1_1$
- $\varphi_{1,1} = 1_2$
- $\varphi_{1,2} = 1_3$
- $\varphi_{1,3} = 1_4$
- $\varphi_{2,0} = 15_1$
- $\varphi_{2,1} = 15_2$
- $\varphi_{2,2} = 15_3$
- $\varphi_{2,3} = 15_4$
- $\varphi_{3,0} = 19_1$
- $\varphi_{3,1} = 19_2$
- $\varphi_{3,2} = 19_3$
- $\varphi_{3,3} = 19_4$
- $\varphi_{4,0} = 45_1$
- $\varphi_{4,1} = 45_2$
- $\varphi_{4,2} = 45_3$
- $\varphi_{4,3} = 45_4$
- $\varphi_{5,0} = 45_5$
- $\varphi_{5,1} = 45_6$
- $\varphi_{5,2} = 45_7$
- $\varphi_{5,3} = 45_8$
- $\varphi_{6,0} = 69_1$
- $\varphi_{6,1} = 69_2$
- $\varphi_{6,2} = 69_3$
- $\varphi_{6,3} = 69_4$
- $\varphi_{7,0} = 156_1$
- $\varphi_{7,1} = 156_2$
- $\varphi_{7,2} = 156_3$
- $\varphi_{7,3} = 156_4$

Block 6:	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{9,2}$	$\varphi_{9,3}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{10,2}$	$\varphi_{10,3}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{11,2}$
$20_1 = \chi_{21,0}$	.	.	.	.	1	.	.	.	1	.	.
$20_2 = \chi_{21,1}$	.	.	.	.	.	1	.	.	.	1	.
$20_3 = \chi_{21,2}$	.	.	.	.	.	.	1	.	.	.	1
$20_4 = \chi_{21,3}$	.	.	.	.	.	.	.	1	.	.	.
$112_1 = \chi_{22,0+}$	1	1	1	1	.	.	.	.	.	.	.
$112_2 = \chi_{22,1+}$	1	1	1	1	.	.	.	.	.	.	.
$70_3 = \chi_{24,0}$	.	1	.	.	1	.	.	.	.	1	.
$70_4 = \chi_{24,1}$	.	.	1	.	.	1	.	.	.	.	1
$70_5 = \chi_{24,2}$	.	.	.	1	.	.	1	.	.	.	.
$70_6 = \chi_{24,3}$	1	.	.	.	.	.	.	1	1	.	.
$280_1 = \chi_{25+}$	1	1	1	1	1	1	1	1	1	1	1
$120_1 = \chi_{29,0}$	1	1	.	.	.	.	.	1	.	1	.
$120_2 = \chi_{29,1}$	.	1	1	.	1	.	.	.	.	.	1
$120_3 = \chi_{29,2}$	.	.	1	1	.	1	.	.	.	.	.
$120_4 = \chi_{29,3}$	1	.	.	1	.	.	1	.	1	.	.
$210_5 = \chi_{30,0}$	.	.	.	.	.	.	.	2	.	1	.
$210_6 = \chi_{30,1}$	.	.	.	.	2	.	.	.	1	.	1
$210_7 = \chi_{30,2}$	.	.	.	.	.	2	.	.	.	1	.
$210_8 = \chi_{30,3}$	.	.	.	.	.	.	2	.	1	.	1
$210_9 = \chi_{31,0}$	.	.	.	.	.	1	.	1	.	2	.
$210_{10} = \chi_{31,1}$	.	.	.	.	1	.	1	.	.	.	2
$210_{11} = \chi_{31,2}$	.	.	.	.	.	1	.	1	.	.	.
$210_{12} = \chi_{31,3}$	.	.	.	.	1	.	1	.	2	.	.
$1008_1 = \chi_{32,0+}$	1	2	1	2	1	2	1	2	2	1	2
$1008_2 = \chi_{32,1+}$	2	1	2	1	2	1	2	1	1	2	1
$540_1 = \chi_{34,0}$	1	1	.	.	1	.	3	1	1	1	3
$540_2 = \chi_{34,1}$	.	1	1	.	1	1	.	3	.	1	1
$540_3 = \chi_{34,2}$	.	.	1	1	3	1	1	.	3	.	1
$540_4 = \chi_{34,3}$	1	.	.	1	.	3	1	1	1	3	.
$560_5 = \chi_{35,0}$	1	1	1	2	.	1	1	1	1	.	1
$560_6 = \chi_{35,1}$	2	1	1	1	1	.	1	1	1	1	.
$560_7 = \chi_{35,2}$	1	2	1	1	1	1	.	1	1	1	1
$560_8 = \chi_{35,3}$	1	1	2	1	1	1	1	.	.	1	1
$630_3 = \chi_{36,0}$	.	.	.	.	.	2	.	.	2	.	.
$630_4 = \chi_{36,1}$	.	.	.	.	.	.	2	.	.	2	.
$630_5 = \chi_{36,2}$	.	.	.	.	.	.	.	2	.	.	2
$630_6 = \chi_{36,3}$	.	.	.	.	2	.	.	.	.	.	.
$640_9 = \chi_{37,0}$	1	.	1	1	3	.	1	.	1	.	1
$640_{10} = \chi_{37,1}$	1	1	.	1	.	3	.	1	1	1	.
$640_{11} = \chi_{37,2}$	1	1	1	.	1	.	3	.	1	1	1

(Block 6:)	$\varphi_{11,3}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{12,2}$	$\varphi_{12,3}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{13,2}$	$\varphi_{13,3}$	$\varphi_{14,0}$	$\varphi_{14,1}$
$20_1 = \chi_{21,0}$	.	.	.	.	.	.	.	.	.	.	.
$20_2 = \chi_{21,1}$	.	.	.	.	.	.	.	.	.	.	.
$20_3 = \chi_{21,2}$	.	.	.	.	.	.	.	.	.	.	.
$20_4 = \chi_{21,3}$	1	.	.	.	.	.	.	.	.	.	.
$112_1 = \chi_{22,0+}$	.	.	1	.	1	.	.	.	.	.	.
$112_2 = \chi_{22,1+}$	.	1	.	1	.	.	.	.	.	.	.
$70_3 = \chi_{24,0}$	.	.	.	.	1	.	.	.	.	.	.
$70_4 = \chi_{24,1}$	.	1	.	.	.	.	.	.	.	.	.
$70_5 = \chi_{24,2}$	1	.	1	.	.	.	.	.	.	.	.
$70_6 = \chi_{24,3}$	.	.	.	1	.	.	.	.	.	.	.
$280_1 = \chi_{25+}$	1	1	1	1	1	.	.	.	.	.	.
$120_1 = \chi_{29,0}$	.	.	.	1	1	.	.	.	.	.	.
$120_2 = \chi_{29,1}$	.	1	.	.	1	.	.	.	.	.	.
$120_3 = \chi_{29,2}$	1	1	1	.	.	.	.	.	.	.	.
$120_4 = \chi_{29,3}$	.	.	1	1	.	.	.	.	.	.	.
$210_5 = \chi_{30,0}$	1	.	.	.	1	.	.	.	.	.	.
$210_6 = \chi_{30,1}$	.	1	.	.	.	.	.	.	.	.	.
$210_7 = \chi_{30,2}$	1	.	1	.	.	.	.	.	.	1	.
$210_8 = \chi_{30,3}$	.	.	.	1	.	.	.	.	.	.	1
$210_9 = \chi_{31,0}$	.	.	.	1	.	.	.	1	.	.	.
$210_{10} = \chi_{31,1}$	.	.	.	.	1	.	.	.	1	.	.
$210_{11} = \chi_{31,2}$	2	1	.	.	.	1	.	.	.	.	.
$210_{12} = \chi_{31,3}$	.	.	1	.	.	.	1	.	.	.	.
$1008_1 = \chi_{32,0+}$	1	2	1	2	1	.	.	.	.	.	.
$1008_2 = \chi_{32,1+}$	2	1	2	1	2	.	.	.	.	.	.
$540_1 = \chi_{34,0}$	.	.	.	2	2	.	.	.	1	.	1
$540_2 = \chi_{34,1}$	3	2	.	.	2	1	.	.	.	.	.
$540_3 = \chi_{34,2}$	1	2	2	.	.	.	1	.	.	.	.
$540_4 = \chi_{34,3}$	1	.	2	2	.	.	.	1	.	1	.
$560_5 = \chi_{35,0}$	1	1	1	1	1	.	.	.	.	.	.
$560_6 = \chi_{35,1}$	1	1	1	1	1	.	.	.	.	.	.
$560_7 = \chi_{35,2}$	.	1	1	1	1	.	.	.	.	.	.
$560_8 = \chi_{35,3}$	1	1	1	1	1	.	.	.	.	.	.
$630_3 = \chi_{36,0}$	.	.	1	.	.	.	1	.	.	1	.
$630_4 = \chi_{36,1}$	.	.	.	1	.	.	.	1	.	.	1
$630_5 = \chi_{36,2}$	.	.	.	.	1	.	.	.	1	.	.
$630_6 = \chi_{36,3}$	2	1	.	.	.	1	.	.	.	.	.
$640_9 = \chi_{37,0}$	1	1	1	.	1	.	.	.	.	.	.
$640_{10} = \chi_{37,1}$	1	1	1	1	.	.	.	.	.	1	.
$640_{11} = \chi_{37,2}$	.	.	1	1	1	.	.	.	.	.	1

(Block 6:)	$\varphi_{14,2}$	$\varphi_{14,3}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{15,2}$	$\varphi_{15,3}$
$20_1 = \chi_{21,0}$
$20_2 = \chi_{21,1}$
$20_3 = \chi_{21,2}$
$20_4 = \chi_{21,3}$
$112_1 = \chi_{22,0+}$
$112_2 = \chi_{22,1+}$
$70_3 = \chi_{24,0}$
$70_4 = \chi_{24,1}$
$70_5 = \chi_{24,2}$
$70_6 = \chi_{24,3}$
$280_1 = \chi_{25+}$
$120_1 = \chi_{29,0}$
$120_2 = \chi_{29,1}$
$120_3 = \chi_{29,2}$
$120_4 = \chi_{29,3}$
$210_5 = \chi_{30,0}$	1	.	.	.	.	.
$210_6 = \chi_{30,1}$.	1	.	.	.	.
$210_7 = \chi_{30,2}$
$210_8 = \chi_{30,3}$
$210_9 = \chi_{31,0}$
$210_{10} = \chi_{31,1}$
$210_{11} = \chi_{31,2}$
$210_{12} = \chi_{31,3}$
$1008_1 = \chi_{32,0+}$.	.	.	1	.	1
$1008_2 = \chi_{32,1+}$.	.	1	.	1	.
$540_1 = \chi_{34,0}$
$540_2 = \chi_{34,1}$	1	.	.	.	.	.
$540_3 = \chi_{34,2}$.	1	.	.	.	.
$540_4 = \chi_{34,3}$
$560_5 = \chi_{35,0}$	1
$560_6 = \chi_{35,1}$.	.	1	.	.	.
$560_7 = \chi_{35,2}$.	.	.	1	.	.
$560_8 = \chi_{35,3}$	1	.
$630_3 = \chi_{36,0}$	1
$630_4 = \chi_{36,1}$.	.	1	.	.	.
$630_5 = \chi_{36,2}$	1	.	.	1	.	.
$630_6 = \chi_{36,3}$.	1	.	.	1	.
$640_9 = \chi_{37,0}$.	1	.	.	1	.
$640_{10} = \chi_{37,1}$	1
$640_{11} = \chi_{37,2}$.	.	1	.	.	.

(Block 6:)	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{9,2}$	$\varphi_{9,3}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{10,2}$	$\varphi_{10,3}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{11,2}$
$640_{12} = \chi_{37,3}$	.	1	1	1	.	1	.	3	.	1	1
$640_{13} = \chi_{38,0}$	.	1	1	1	1	1	1	.	3	.	1
$640_{14} = \chi_{38,1}$	1	.	1	1	.	1	1	1	.	3	.
$640_{15} = \chi_{38,2}$	1	1	.	1	1	.	1	1	1	.	3
$640_{16} = \chi_{38,3}$	1	1	1	.	1	1	.	1	.	1	.
$896_5 = \chi_{39,0}$	1	1	1	2	1	3	1	.	3	1	.
$896_6 = \chi_{39,1}$	2	1	1	1	.	1	3	1	1	3	1
$896_7 = \chi_{39,2}$	1	2	1	1	1	.	1	3	.	1	3
$896_8 = \chi_{39,3}$	1	1	2	1	3	1	.	1	1	.	1

(Block 6:)	$\varphi_{11,3}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{12,2}$	$\varphi_{12,3}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{13,2}$	$\varphi_{13,3}$	$\varphi_{14,0}$	$\varphi_{14,1}$
$640_{12} = \chi_{37,3}$	1	1	.	1	1	.	.	.	.	.	.
$640_{13} = \chi_{38,0}$	.	1	1	1	.	.	1	.	.	.	.
$640_{14} = \chi_{38,1}$	1	.	1	1	1	.	.	1	.	.	.
$640_{15} = \chi_{38,2}$	.	1	.	1	1	.	.	.	1	.	.
$640_{16} = \chi_{38,3}$	3	1	1	.	1	1	.	.	.	.	.
$896_5 = \chi_{39,0}$	1	1	3	1	.	.	1	.	.	1	.
$896_6 = \chi_{39,1}$	.	.	1	3	1	.	.	1	.	.	1
$896_7 = \chi_{39,2}$	1	1	.	1	3	.	.	.	1	.	.
$896_8 = \chi_{39,3}$	3	3	1	.	1	1	.	.	.	.	.

(Block 6:)	$\varphi_{14,2}$	$\varphi_{14,3}$	$\varphi_{15,0}$	$\varphi_{15,1}$	$\varphi_{15,2}$	$\varphi_{15,3}$
$640_{12} = \chi_{37,3}$	1	.	.	1	.	.
$640_{13} = \chi_{38,0}$	.	.	.	.	.	1
$640_{14} = \chi_{38,1}$	.	.	1	.	.	.
$640_{15} = \chi_{38,2}$	.	.	.	1	.	.
$640_{16} = \chi_{38,3}$	.	.	.	.	1	.
$896_5 = \chi_{39,0}$	.	.	.	.	.	1
$896_6 = \chi_{39,1}$	.	.	1	.	.	.
$896_7 = \chi_{39,2}$	1	.	.	1	.	.
$896_8 = \chi_{39,3}$	.	1	.	.	1	.

- $\varphi_{9,0} = 6_1$
- $\varphi_{9,1} = 6_2$
- $\varphi_{9,2} = 6_3$
- $\varphi_{9,3} = 6_4$
- $\varphi_{10,0} = 10_1$
- $\varphi_{10,1} = 10_2$
- $\varphi_{10,2} = 10_3$
- $\varphi_{10,3} = 10_4$
- $\varphi_{11,0} = 10_5$
- $\varphi_{11,1} = 10_6$
- $\varphi_{11,2} = 10_7$
- $\varphi_{11,3} = 10_8$
- $\varphi_{12,0} = 44_1$
- $\varphi_{12,1} = 44_2$
- $\varphi_{12,2} = 44_3$
- $\varphi_{12,3} = 44_4$
- $\varphi_{13,0} = 126_1$
- $\varphi_{13,1} = 126_2$
- $\varphi_{13,2} = 126_3$
- $\varphi_{13,3} = 126_4$
- $\varphi_{14,0} = 126_5$
- $\varphi_{14,1} = 126_6$
- $\varphi_{14,2} = 126_7$
- $\varphi_{14,3} = 126_8$
- $\varphi_{15,0} = 294_1$
- $\varphi_{15,1} = 294_2$
- $\varphi_{15,2} = 294_3$
- $\varphi_{15,3} = 294_4$

Blocks 7, 8:	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{16,2}$	$\varphi_{16,3}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{17,2}$	$\varphi_{17,3}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{18,2}$
$20_5 = \chi_{40,0}$	.	.	.	1	.	.	1	.	.	.	.
$20_6 = \chi_{40,1}$	1	.	.	.	.	.	.	1	.	.	.
$20_7 = \chi_{40,2}$	.	1	.	.	1	.	.	.	.	.	.
$20_8 = \chi_{40,3}$	.	.	1	.	.	1	.	.	.	.	.
$120_5 = \chi_{41,0}$	1	.	1	.	.	.	.	1	.	1	.
$120_6 = \chi_{41,1}$	.	1	.	1	1	.	.	.	.	.	1
$120_7 = \chi_{41,2}$	1	.	1	.	.	1	.	.	.	.	.
$120_8 = \chi_{41,3}$	.	1	.	1	.	.	1	.	1	.	.
$140_5 = \chi_{42,0}$	1	.	1	.	.	1	.	.	.	.	.
$140_6 = \chi_{42,1}$	.	1	.	1	.	.	1	.	.	.	.
$140_7 = \chi_{42,2}$	1	.	1	.	.	.	.	1	.	.	.
$140_8 = \chi_{42,3}$	.	1	.	1	1	.	.	.	.	.	.
$896_9 = \chi_{43+}$	4	4	4	4	2	2	2	2	.	.	.
$280_2 = \chi_{47,0}$	2	.	2	1	.	1	1	1	.	1	.
$280_3 = \chi_{47,1}$	1	2	.	2	1	.	1	1	.	.	1
$280_4 = \chi_{47,2}$	2	1	2	.	1	1	.	1	.	.	.
$280_5 = \chi_{47,3}$	.	2	1	2	1	1	1	.	1	.	.
$560_9 = \chi_{48,0+}$	4	1	4	1	1	2	1	2	.	1	.
$560_{10} = \chi_{48,1+}$	1	4	1	4	2	1	2	1	1	.	1
$420_5 = \chi_{50,0}$	1	2	2	2	.	1	2	1	1	.	.
$420_6 = \chi_{50,1}$	2	1	2	2	1	.	1	2	.	1	.
$420_7 = \chi_{50,2}$	2	2	1	2	2	1	.	1	.	.	1
$420_8 = \chi_{50,3}$	2	2	2	1	1	2	1	.	.	.	.
$540_5 = \chi_{51,0}$	2	.	.	.	1	.	.	.	.	.	.
$540_6 = \chi_{51,1}$	.	2	.	.	.	1	.	.	1	.	.
$540_7 = \chi_{51,2}$	.	.	2	.	.	.	1	.	.	1	.
$540_8 = \chi_{51,3}$	.	.	.	2	.	.	.	1	.	.	1
$640_{17} = \chi_{52,0}$	2	3	1	4	2	2	1	1	.	.	1
$640_{18} = \chi_{52,1}$	4	2	3	1	1	2	2	1	.	.	.
$640_{19} = \chi_{52,2}$	1	4	2	3	1	1	2	2	1	.	.
$640_{20} = \chi_{52,3}$	3	1	4	2	2	1	1	2	.	1	.
$640_{25} = \chi_{53,0}$	1	2	1	1	1	.	2	.	1	.	.
$640_{26} = \chi_{53,1}$	1	1	2	1	.	1	.	2	.	1	.
$640_{27} = \chi_{53,2}$	1	1	1	2	2	.	1	.	.	.	1
$640_{28} = \chi_{53,3}$	2	1	1	1	.	2	.	1	.	.	.
$840_1 = \chi_{54,0}$	2	2	1	2	1	.	2	1	1	.	.
$840_2 = \chi_{54,1}$	2	2	2	1	1	1	.	2	.	1	.
$840_3 = \chi_{54,2}$	1	2	2	2	2	1	1	.	.	.	1
$840_4 = \chi_{54,3}$	2	1	2	2	.	2	1	1	.	.	.
$896_{11} = \chi_{55,0}$	3	2	2	1	1	1	2	1	1	.	.

(Blocks 7, 8:)	$\varphi_{18,3}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{19,2}$	$\varphi_{19,3}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{20,2}$	$\varphi_{20,3}$	$\varphi_{21,0}$	$\varphi_{21,1}$
$20_5 = \chi_{40,0}$	.	.	.	.	.	.	.	.	.	.	.
$20_6 = \chi_{40,1}$	.	.	.	.	.	.	.	.	.	.	.
$20_7 = \chi_{40,2}$	.	.	.	.	.	.	.	.	.	.	.
$20_8 = \chi_{40,3}$	.	.	.	.	.	.	.	.	.	.	.
$120_5 = \chi_{41,0}$	.	.	.	1	.	.	.	.	.	.	.
$120_6 = \chi_{41,1}$	.	.	.	.	1	.	.	.	.	.	.
$120_7 = \chi_{41,2}$	1	1	.	.	.	.	.	.	.	.	.
$120_8 = \chi_{41,3}$	.	.	1	.	.	.	.	.	.	.	.
$140_5 = \chi_{42,0}$	.	.	.	.	.	1	.	.	.	.	.
$140_6 = \chi_{42,1}$	.	.	.	.	.	.	1	.	.	.	.
$140_7 = \chi_{42,2}$	.	.	.	.	.	.	.	1	.	.	.
$140_8 = \chi_{42,3}$	.	.	.	.	.	.	.	.	1	.	.
$896_9 = \chi_{43+}$	.	1	1	1	1	1	1	1	1	.	.
$280_2 = \chi_{47,0}$	.	.	.	1	.	1	.	.	.	.	.
$280_3 = \chi_{47,1}$	.	.	.	.	1	.	1	.	.	.	.
$280_4 = \chi_{47,2}$	1	1	.	.	.	.	.	1	.	.	.
$280_5 = \chi_{47,3}$	.	.	1	.	.	.	.	.	1	.	.
$560_9 = \chi_{48,0+}$	1	1	.	1	.	1	.	1	.	.	.
$560_{10} = \chi_{48,1+}$	.	.	1	.	1	.	1	.	1	.	.
$420_5 = \chi_{50,0}$	.	.	1	.	.	.	1	1	.	.	.
$420_6 = \chi_{50,1}$	.	.	.	1	.	.	.	1	1	.	.
$420_7 = \chi_{50,2}$	.	.	.	.	1	1	.	.	1	.	.
$420_8 = \chi_{50,3}$	1	1	.	.	.	1	1	.	.	.	.
$540_5 = \chi_{51,0}$	1	2	.	.	.	.	.	.	.	.	1
$540_6 = \chi_{51,1}$	.	.	2	.	.	.	.	.	.	.	.
$540_7 = \chi_{51,2}$	.	.	.	2	.	.	.	.	.	.	.
$540_8 = \chi_{51,3}$	.	.	.	.	2	.	.	.	.	1	.
$640_{17} = \chi_{52,0}$	.	.	1	.	1	1	1	.	1	.	.
$640_{18} = \chi_{52,1}$	1	1	.	1	.	1	1	1	.	.	.
$640_{19} = \chi_{52,2}$	.	.	1	.	1	.	1	1	1	.	.
$640_{20} = \chi_{52,3}$	.	1	.	1	.	1	.	1	1	.	.
$640_{25} = \chi_{53,0}$	.	1	.	.	.	.	1	.	.	.	1
$640_{26} = \chi_{53,1}$	.	.	1	.	.	.	.	1	.	.	.
$640_{27} = \chi_{53,2}$	.	.	.	1	.	.	.	.	1	.	.
$640_{28} = \chi_{53,3}$	1	.	.	.	1	1	.	.	.	1	.
$840_1 = \chi_{54,0}$	.	1	1	.	.	.	1	1	.	.	1
$840_2 = \chi_{54,1}$	.	.	1	1	.	.	.	1	1	.	.
$840_3 = \chi_{54,2}$	.	.	.	1	1	1	.	.	1	.	.
$840_4 = \chi_{54,3}$	1	1	.	.	1	1	1	.	.	1	.
$896_{11} = \chi_{55,0}$	1	2	.	.	.	.	1	1	.	.	1

(Blocks 7, 8:)	$\varphi_{21,2}$	$\varphi_{21,3}$
$20_5 = \chi_{40,0}$.	.
$20_6 = \chi_{40,1}$.	.
$20_7 = \chi_{40,2}$.	.
$20_8 = \chi_{40,3}$.	.
$120_5 = \chi_{41,0}$.	.
$120_6 = \chi_{41,1}$.	.
$120_7 = \chi_{41,2}$.	.
$120_8 = \chi_{41,3}$.	.
$140_5 = \chi_{42,0}$.	.
$140_6 = \chi_{42,1}$.	.
$140_7 = \chi_{42,2}$.	.
$140_8 = \chi_{42,3}$.	.
$896_9 = \chi_{43+}$.	.
$280_2 = \chi_{47,0}$.	.
$280_3 = \chi_{47,1}$.	.
$280_4 = \chi_{47,2}$.	.
$280_5 = \chi_{47,3}$.	.
$560_9 = \chi_{48,0+}$.	.
$560_{10} = \chi_{48,1+}$.	.
$420_5 = \chi_{50,0}$.	.
$420_6 = \chi_{50,1}$.	.
$420_7 = \chi_{50,2}$.	.
$420_8 = \chi_{50,3}$.	.
$540_5 = \chi_{51,0}$.	.
$540_6 = \chi_{51,1}$	1	.
$540_7 = \chi_{51,2}$.	1
$540_8 = \chi_{51,3}$.	.
$640_{17} = \chi_{52,0}$.	.
$640_{18} = \chi_{52,1}$.	.
$640_{19} = \chi_{52,2}$.	.
$640_{20} = \chi_{52,3}$.	.
$640_{25} = \chi_{53,0}$.	.
$640_{26} = \chi_{53,1}$	1	.
$640_{27} = \chi_{53,2}$.	1
$640_{28} = \chi_{53,3}$.	.
$840_1 = \chi_{54,0}$.	.
$840_2 = \chi_{54,1}$	1	.
$840_3 = \chi_{54,2}$.	1
$840_4 = \chi_{54,3}$.	.
$896_{11} = \chi_{55,0}$.	.

(Blocks 7, 8:)	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{16,2}$	$\varphi_{16,3}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{17,2}$	$\varphi_{17,3}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{18,2}$
$896_{12} = \chi_{55,1}$	1	3	2	2	1	1	1	2	1	1	.
$896_{13} = \chi_{55,2}$	2	1	3	2	2	1	1	1	.	1	1
$896_{14} = \chi_{55,3}$	2	2	1	3	1	2	1	1	.	.	1

(Blocks 7, 8:)	$\varphi_{18,3}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{19,2}$	$\varphi_{19,3}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{20,2}$	$\varphi_{20,3}$	$\varphi_{21,0}$	$\varphi_{21,1}$
$896_{12} = \chi_{55,1}$	.	.	2	.	.	.	.	1	1	.	.
$896_{13} = \chi_{55,2}$	.	.	.	2	.	1	.	.	1	.	.
$896_{14} = \chi_{55,3}$	1	.	.	.	2	1	1	.	.	1	.

(Blocks 7, 8:)	$\varphi_{21,2}$	$\varphi_{21,3}$
$896_{12} = \chi_{55,1}$	1	.
$896_{13} = \chi_{55,2}$	.	1
$896_{14} = \chi_{55,3}$	.	.

- $\varphi_{16,0} = 4_1$
- $\varphi_{16,1} = 4_2$
- $\varphi_{16,2} = 4_3$
- $\varphi_{16,3} = 4_4$
- $\varphi_{17,0} = 16_1$
- $\varphi_{17,1} = 16_2$
- $\varphi_{17,2} = 16_3$
- $\varphi_{17,3} = 16_4$
- $\varphi_{18,0} = 36_1$
- $\varphi_{18,1} = 36_2$
- $\varphi_{18,2} = 36_3$
- $\varphi_{18,3} = 36_4$
- $\varphi_{19,0} = 60_1$
- $\varphi_{19,1} = 60_2$
- $\varphi_{19,2} = 60_3$
- $\varphi_{19,3} = 60_4$
- $\varphi_{20,0} = 116_1$
- $\varphi_{20,1} = 116_2$
- $\varphi_{20,2} = 116_3$
- $\varphi_{20,3} = 116_4$
- $\varphi_{21,0} = 360_1$
- $\varphi_{21,1} = 360_2$
- $\varphi_{21,2} = 360_3$
- $\varphi_{21,3} = 360_4$