

$$U_4(3).2_3 \pmod{3}$$

	blocks	defect	matrix
$3_1.G :$	1	7	59×11
	2	1	3×1
	3	1	3×1
$6_1.G :$	4	7	50×8
$12_1.G :$	5	7	34×6

	blocks	defect	matrix
$3_2.G :$	1	7	59×11
	2	1	3×1
	3	1	3×1
$6_2.G :$	4	7	50×8
$12_2.G :$	5	7	34×6

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	φ_{4+}	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.
$21_1 = \chi_{2,0}$	1	1	.	.	1	.	.	.	.	.	.
$21_2 = \chi_{2,1}$	1	1	.	.	.	1	.	.	.	.	.
$70_1 = \chi_{3+}$	1	1	1	1	1	1	.	.	.	.	.
$90_1 = \chi_{5,0}$	.	2	.	.	.	1	.	1	.	.	.
$90_2 = \chi_{5,1}$	2	.	.	.	1	.	.	.	1	.	.
$140_1 = \chi_{6,0}$	2	1	.	2	1	1	.	1	.	.	.
$140_2 = \chi_{6,1}$	1	2	2	.	1	1	.	.	1	.	.
$189_1 = \chi_{7,0}$	.	.	.	2	.	.	1	1	.	.	.
$189_2 = \chi_{7,1}$	.	.	2	.	.	.	1	.	1	.	.
$210_1 = \chi_{8,0}$	.	1	1	.	1	1	.	.	.	1	.
$210_2 = \chi_{8,1}$	1	.	.	1	1	1	.	.	.	.	1
$560_1 = \chi_{9+}$	.	.	1	1	1	1	2	.	.	1	1
$560_2 = \chi_{10+}$	.	.	1	1	1	1	2	.	.	1	1
$630_1 = \chi_{13+}$	3	3	2	2	3	3	.	1	1	1	1
$420_1 = \chi_{15,0}$	2	1	2	1	2	1	1	.	1	1	.
$420_2 = \chi_{15,1}$	1	2	1	2	1	2	1	1	.	.	1
$560_3 = \chi_{16,0}$	.	.	1	1	1	1	2	.	.	1	1
$560_4 = \chi_{16,1}$	.	.	1	1	1	1	2	.	.	1	1
$1280_1 = \chi_{17+}$	3	3	3	3	4	4	3	1	1	2	2
$896_1 = \chi_{20,0}$	3	2	1	3	3	3	2	1	.	1	2
$896_2 = \chi_{20,1}$	2	3	3	1	3	3	2	.	1	2	1
$36_1 = \chi_{99,0}$	2	.	.	1	1	.	.	.	.	.	.
$36_2 = \chi_{99,1}$	.	2	1	.	.	1	.	.	.	.	.
$36_3 = \chi_{99,0}^{*2}$	2	.	.	1	1	.	.	.	.	.	.
$36_4 = \chi_{99,1}^{*2}$	.	2	1	.	.	1	.	.	.	.	.
$90_3 = \chi_{100+}$	.	.	.	.	.	.	1	.	.	.	.
$90_4 = \chi_{100*8+}$	.	.	.	.	.	.	1	.	.	.	.
$126_1 = \chi_{102,0}$	2	2	.	1	1	1	.	1	.	.	.
$126_2 = \chi_{102,1}$	2	2	1	.	1	1	.	.	1	.	.
$126_3 = \chi_{102,0}^{*2}$	2	2	.	1	1	1	.	1	.	.	.
$126_4 = \chi_{102,1}^{*2}$	2	2	1	.	1	1	.	.	1	.	.
$189_3 = \chi_{103,0}$	.	.	.	2	.	.	1	1	.	.	.
$189_4 = \chi_{103,1}$	.	.	2	.	.	.	1	.	1	.	.
$189_5 = \chi_{103,0}^{*2}$	.	.	.	2	.	.	1	1	.	.	.
$189_6 = \chi_{103,1}^{*2}$	.	.	2	.	.	.	1	.	1	.	.
$315_1 = \chi_{104,0}$	2	1	.	2	1	2	.	1	.	.	1
$315_2 = \chi_{104,1}$	1	2	2	.	2	1	.	.	1	1	.
$315_3 = \chi_{104,0}^{*2}$	2	1	.	2	1	2	.	1	.	.	1

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	φ_{4+}	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$315_4 = \chi_{104,1}^{*2}$	1	2	2	.	2	1	.	.	1	1	.
$630_4 = \chi_{105+}$	1	1	2	2	2	2	2	.	.	1	1
$630_5 = \chi_{105*2+}$	1	1	2	2	2	2	2	.	.	1	1
$630_6 = \chi_{107,0}$	1	3	2	2	2	3	1	1	.	1	1
$630_7 = \chi_{107,1}$	3	1	2	2	3	2	1	.	1	1	1
$630_8 = \chi_{107,0}^{*2}$	1	3	2	2	2	3	1	1	.	1	1
$630_9 = \chi_{107,1}^{*2}$	3	1	2	2	3	2	1	.	1	1	1
$720_1 = \chi_{108,0}$	3	3	2	2	3	3	1	1	1	1	1
$720_2 = \chi_{108,1}$	3	3	2	2	3	3	1	1	1	1	1
$720_3 = \chi_{108,0}^{*2}$	3	3	2	2	3	3	1	1	1	1	1
$720_4 = \chi_{108,1}^{*2}$	3	3	2	2	3	3	1	1	1	1	1
$756_1 = \chi_{110,0}$	1	1	1	1	2	2	2	.	.	1	2
$756_2 = \chi_{110,1}$	1	1	1	1	2	2	2	.	.	2	1
$756_3 = \chi_{110,0}^{*2}$	1	1	1	1	2	2	2	.	.	1	2
$756_4 = \chi_{110,1}^{*2}$	1	1	1	1	2	2	2	.	.	2	1
$945_1 = \chi_{111,0}$	1	1	1	3	2	2	3	1	.	1	2
$945_2 = \chi_{111,1}$	1	1	3	1	2	2	3	.	1	2	1
$945_3 = \chi_{111,0}^{*2}$	1	1	1	3	2	2	3	1	.	1	2
$945_4 = \chi_{111,1}^{*2}$	1	1	3	1	2	2	3	.	1	2	1

$$\begin{array}{ll}
\varphi_{1,0} = 1_1 & \varphi_{4+} = 90_1 \\
\varphi_{1,1} = 1_2 & \varphi_{6,0} = 69_1 \\
\varphi_{2,0} = 15_1 & \varphi_{6,1} = 69_2 \\
\varphi_{2,1} = 15_2 & \varphi_{7,0} = 156_1 \\
\varphi_{3,0} = 19_1 & \varphi_{7,1} = 156_2 \\
\varphi_{3,1} = 19_2 &
\end{array}$$

Block 2:	$\varphi_{8,0}$
$729_1 = \chi_{19,0}$	1
$729_3 = \chi_{109,0}$	1
$729_5 = \chi_{109,0}^{*2}$	1

$$\varphi_{8,0} = 729_1$$

Block 3:	$\varphi_{8,1}$
$729_2 = \chi_{19,1}$	1
$729_4 = \chi_{109,1}$	1
$729_6 = \chi_{109,1}^{*2}$	1

$$\varphi_{8,1} = 729_2$$

Block 4:	$\varphi_{9,0}$	$\varphi_{9,1}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{12,1}$	φ_{13+}	$\varphi_{15,0}$	$\varphi_{15,1}$
$20_1 = \chi_{21,0}$	.	.	1	.	.	.	.	.
$20_2 = \chi_{21,1}$	.	.	1	.	.	.	.	.
$112_1 = \chi_{22+}$	2	2	.	1	1	.	.	.
$70_2 = \chi_{24,0}$	1	.	1	.	1	.	.	.
$70_3 = \chi_{24,1}$	.	1	1	1	.	.	.	.
$140_3 = \chi_{25+}$	1	1	2	1	1	.	.	.
$140_4 = \chi_{26+}$	1	1	2	1	1	.	.	.
$120_1 = \chi_{29,0}$	1	1	1	1	1	.	.	.
$120_2 = \chi_{29,1}$	1	1	1	1	1	.	.	.
$420_3 = \chi_{30+}$	.	.	4	1	1	1	.	.
$1008_1 = \chi_{32+}$	3	3	6	3	3	.	1	1
$540_1 = \chi_{34,0}$	1	1	5	2	2	1	.	.
$540_2 = \chi_{34,1}$	1	1	5	2	2	1	.	.
$560_5 = \chi_{35,0}$	3	2	3	2	2	.	.	1
$560_6 = \chi_{35,1}$	2	3	3	2	2	.	1	.
$630_2 = \chi_{36,0}$	.	.	2	1	.	1	.	1
$630_3 = \chi_{36,1}$	.	.	2	.	1	1	1	.
$1280_2 = \chi_{37+}$	3	3	7	3	3	1	1	1
$896_3 = \chi_{39,0}$	2	3	5	2	3	1	1	.
$896_4 = \chi_{39,1}$	3	2	5	3	2	1	.	1
$90_5 = \chi_{112,0}$	1	.	2	.	1	.	.	.
$90_6 = \chi_{112,1}$	.	1	2	1	.	.	.	.
$90_7 = \chi_{112,0}^{*2}$	1	.	2	.	1	.	.	.
$90_8 = \chi_{112,1}^{*2}$	.	1	2	1	.	.	.	.
$252_1 = \chi_{113+}$	3	3	2	2	2	.	.	.
$252_2 = \chi_{113*2+}$	3	3	2	2	2	.	.	.
$252_3 = \chi_{115+}$	.	.	.	.	.	1	.	.
$252_4 = \chi_{115*5+}$	.	.	.	.	.	1	.	.
$540_3 = \chi_{117+}$	1	1	5	2	2	1	.	.
$540_4 = \chi_{117*8+}$	1	1	5	2	2	1	.	.
$504_1 = \chi_{119,0}$	1	2	3	1	2	.	1	.
$504_2 = \chi_{119,1}$	2	1	3	2	1	.	.	1
$504_3 = \chi_{119,0}^{*2}$	1	2	3	1	2	.	1	.
$504_4 = \chi_{119,1}^{*2}$	2	1	3	2	1	.	.	1
$540_5 = \chi_{120,0}$	1	1	5	2	2	1	.	.
$540_6 = \chi_{120,1}$	1	1	5	2	2	1	.	.
$540_7 = \chi_{120,0}^{*2}$	1	1	5	2	2	1	.	.
$540_8 = \chi_{120,1}^{*2}$	1	1	5	2	2	1	.	.
$630_{10} = \chi_{121,0}$	3	3	4	3	2	.	.	1
$630_{11} = \chi_{121,1}$	3	3	4	2	3	.	1	.

(Block 4:)	$\varphi_{9,0}$	$\varphi_{9,1}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{12,1}$	φ_{13+}	$\varphi_{15,0}$	$\varphi_{15,1}$
$630_{12} = \chi_{121,0}^{*2}$	3	3	4	3	2	.	.	1
$630_{13} = \chi_{121,1}^{*2}$	3	3	4	2	3	.	1	.
$720_5 = \chi_{122,0}$	1	.	4	1	1	1	.	1
$720_6 = \chi_{122,1}$	.	1	4	1	1	1	1	.
$720_7 = \chi_{122,0}^{*2}$	1	.	4	1	1	1	.	1
$720_8 = \chi_{122,1}^{*2}$	.	1	4	1	1	1	1	.
$1260_1 = \chi_{123,0}$	3	3	6	3	3	1	1	1
$1260_2 = \chi_{123,1}$	3	3	6	3	3	1	1	1
$1260_3 = \chi_{123,0}^{*2}$	3	3	6	3	3	1	1	1
$1260_4 = \chi_{123,1}^{*2}$	3	3	6	3	3	1	1	1

$$\begin{array}{ll}
\varphi_{9,0} & = 6_1 \\
\varphi_{9,1} & = 6_2 \\
\varphi_{10+} & = 20_1 \\
\varphi_{12,0} & = 44_1
\end{array}
\qquad
\begin{array}{ll}
\varphi_{12,1} & = 44_2 \\
\varphi_{13+} & = 252_1 \\
\varphi_{15,0} & = 294_1 \\
\varphi_{15,1} & = 294_2
\end{array}$$

Block 5:	φ_{16+}	φ_{17+}	φ_{18+}	φ_{19+}	φ_{20+}	φ_{21+}
$40_1 = \chi_{40+}$	1	1	.	.	.	.
$240_1 = \chi_{41+}$	2	1	1	1	.	.
$280_1 = \chi_{42+}$	2	1	.	.	1	.
$448_1 = \chi_{43+}$	4	2	.	1	1	.
$448_2 = \chi_{45+}$	4	2	.	1	1	.
$448_3 = \chi_{44+}$	4	2	.	1	1	.
$448_4 = \chi_{46+}$	4	2	.	1	1	.
$560_7 = \chi_{47+}$	5	3	1	1	1	.
$560_8 = \chi_{48+}$	5	3	1	1	1	.
$560_9 = \chi_{49+}$	5	3	1	1	1	.
$840_1 = \chi_{50+}$	7	4	1	1	2	.
$1080_1 = \chi_{51+}$	2	1	1	2	.	1
$1280_3 = \chi_{52+}$	10	6	1	2	3	.
$1280_4 = \chi_{53+}$	5	3	1	1	1	1
$1680_1 = \chi_{54+}$	7	4	1	2	2	1
$1792_1 = \chi_{55+}$	8	5	2	2	2	1
$72_1 = \chi_{124+}$	.	.	1	.	.	.
$72_2 = \chi_{124*5+}$	.	.	1	.	.	.
$432_1 = \chi_{125+}$	4	3	1	.	1	.
$432_2 = \chi_{125*5+}$	4	3	1	.	1	.
$720_9 = \chi_{126+}$	5	3	.	1	2	.
$720_{10} = \chi_{126*29+}$	5	3	.	1	2	.
$720_{11} = \chi_{127+}$	.	.	.	.	.	1
$720_{12} = \chi_{126*71+}$	.	.	.	.	.	1
$1008_2 = \chi_{128+}$	9	5	1	2	2	.
$1008_3 = \chi_{128*5+}$	9	5	1	2	2	.
$1008_4 = \chi_{129+}$	9	5	1	2	2	.
$1008_5 = \chi_{129*5+}$	9	5	1	2	2	.
$1080_2 = \chi_{130+}$	2	1	1	2	.	1
$1080_3 = \chi_{130*5+}$	2	1	1	2	.	1
$1512_1 = \chi_{131+}$	6	4	2	2	1	1
$1512_2 = \chi_{131*5+}$	6	4	2	2	1	1
$2520_1 = \chi_{132+}$	14	8	2	3	4	1
$2520_2 = \chi_{132*5+}$	14	8	2	3	4	1

$$\begin{aligned}
\varphi_{16+} &= 8_1 \\
\varphi_{17+} &= 32_1 \\
\varphi_{18+} &= 72_1 \\
\varphi_{19+} &= 120_1 \\
\varphi_{20+} &= 232_1 \\
\varphi_{21+} &= 720_1
\end{aligned}$$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	φ_{4+}	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.
$21_1 = \chi_{2,0}$	1	1	.	.	1	.	.	.	.	.	.
$21_2 = \chi_{2,1}$	1	1	.	.	.	1	.	.	.	.	.
$70_1 = \chi_{3+}$	1	1	1	1	1	1	.	.	.	.	.
$90_1 = \chi_{5,0}$	.	2	.	.	.	1	.	1	.	.	.
$90_2 = \chi_{5,1}$	2	.	.	.	1	.	.	.	1	.	.
$140_1 = \chi_{6,0}$	2	1	.	2	1	1	.	1	.	.	.
$140_2 = \chi_{6,1}$	1	2	2	.	1	1	.	.	1	.	.
$189_1 = \chi_{7,0}$	.	.	.	2	.	.	1	1	.	.	.
$189_2 = \chi_{7,1}$	.	.	2	.	.	.	1	.	1	.	.
$210_1 = \chi_{8,0}$	.	1	1	.	1	1	.	.	.	1	.
$210_2 = \chi_{8,1}$	1	.	.	1	1	1	.	.	.	.	1
$560_1 = \chi_{9+}$	.	.	1	1	1	1	2	.	.	1	1
$560_2 = \chi_{10+}$	.	.	1	1	1	1	2	.	.	1	1
$630_1 = \chi_{13+}$	3	3	2	2	3	3	.	1	1	1	1
$420_1 = \chi_{15,0}$	2	1	2	1	2	1	1	.	1	1	.
$420_2 = \chi_{15,1}$	1	2	1	2	1	2	1	1	.	.	1
$560_3 = \chi_{16,0}$	.	.	1	1	1	1	2	.	.	1	1
$560_4 = \chi_{16,1}$	.	.	1	1	1	1	2	.	.	1	1
$1280_1 = \chi_{17+}$	3	3	3	3	4	4	3	1	1	2	2
$896_1 = \chi_{20,0}$	3	2	1	3	3	3	2	1	.	1	2
$896_2 = \chi_{20,1}$	2	3	3	1	3	3	2	.	1	2	1
$36_1 = \chi_{99,0}$	2	.	.	1	1	.	.	.	.	.	.
$36_2 = \chi_{99,1}$	.	2	1	.	.	1	.	.	.	.	.
$36_3 = \chi_{99,0}^{*2}$	2	.	.	1	1	.	.	.	.	.	.
$36_4 = \chi_{99,1}^{*2}$	.	2	1	.	.	1	.	.	.	.	.
$90_3 = \chi_{100+}$	.	.	.	.	.	.	1	.	.	.	.
$90_4 = \chi_{100*8+}$	.	.	.	.	.	.	1	.	.	.	.
$126_1 = \chi_{102,0}$	2	2	.	1	1	1	.	1	.	.	.
$126_2 = \chi_{102,1}$	2	2	1	.	1	1	.	.	1	.	.
$126_3 = \chi_{102,0}^{*2}$	2	2	.	1	1	1	.	1	.	.	.
$126_4 = \chi_{102,1}^{*2}$	2	2	1	.	1	1	.	.	1	.	.
$189_3 = \chi_{103,0}$	.	.	.	2	.	.	1	1	.	.	.
$189_4 = \chi_{103,1}$	.	.	2	.	.	.	1	.	1	.	.
$189_5 = \chi_{103,0}^{*2}$	.	.	.	2	.	.	1	1	.	.	.
$189_6 = \chi_{103,1}^{*2}$	.	.	2	.	.	.	1	.	1	.	.
$315_1 = \chi_{104,0}$	2	1	.	2	1	2	.	1	.	.	1
$315_2 = \chi_{104,1}$	1	2	2	.	2	1	.	.	1	1	.
$315_3 = \chi_{104,0}^{*2}$	2	1	.	2	1	2	.	1	.	.	1

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	φ_{4+}	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$	$\varphi_{7,1}$
$315_4 = \chi_{104,1}^{*2}$	1	2	2	.	2	1	.	.	1	1	.
$630_4 = \chi_{105+}$	1	1	2	2	2	2	2	.	.	1	1
$630_5 = \chi_{105*2+}$	1	1	2	2	2	2	2	.	.	1	1
$630_6 = \chi_{107,0}$	1	3	2	2	2	3	1	1	.	1	1
$630_7 = \chi_{107,1}$	3	1	2	2	3	2	1	.	1	1	1
$630_8 = \chi_{107,0}^{*2}$	1	3	2	2	2	3	1	1	.	1	1
$630_9 = \chi_{107,1}^{*2}$	3	1	2	2	3	2	1	.	1	1	1
$720_1 = \chi_{108,0}$	3	3	2	2	3	3	1	1	1	1	1
$720_2 = \chi_{108,1}$	3	3	2	2	3	3	1	1	1	1	1
$720_3 = \chi_{108,0}^{*2}$	3	3	2	2	3	3	1	1	1	1	1
$720_4 = \chi_{108,1}^{*2}$	3	3	2	2	3	3	1	1	1	1	1
$756_1 = \chi_{110,0}$	1	1	1	1	2	2	2	.	.	1	2
$756_2 = \chi_{110,1}$	1	1	1	1	2	2	2	.	.	2	1
$756_3 = \chi_{110,0}^{*2}$	1	1	1	1	2	2	2	.	.	1	2
$756_4 = \chi_{110,1}^{*2}$	1	1	1	1	2	2	2	.	.	2	1
$945_1 = \chi_{111,0}$	1	1	1	3	2	2	3	1	.	1	2
$945_2 = \chi_{111,1}$	1	1	3	1	2	2	3	.	1	2	1
$945_3 = \chi_{111,0}^{*2}$	1	1	1	3	2	2	3	1	.	1	2
$945_4 = \chi_{111,1}^{*2}$	1	1	3	1	2	2	3	.	1	2	1

$$\begin{array}{ll}
\varphi_{1,0} = 1_1 & \varphi_{4+} = 90_1 \\
\varphi_{1,1} = 1_2 & \varphi_{6,0} = 69_1 \\
\varphi_{2,0} = 15_1 & \varphi_{6,1} = 69_2 \\
\varphi_{2,1} = 15_2 & \varphi_{7,0} = 156_1 \\
\varphi_{3,0} = 19_1 & \varphi_{7,1} = 156_2 \\
\varphi_{3,1} = 19_2 &
\end{array}$$

Block 2:	$\varphi_{8,0}$
$729_1 = \chi_{19,0}$	1
$729_3 = \chi_{109,0}$	1
$729_5 = \chi_{109,0}^{*2}$	1

$$\varphi_{8,0} = 729_1$$

Block 3:	$\varphi_{8,1}$
$729_2 = \chi_{19,1}$	1
$729_4 = \chi_{109,1}$	1
$729_6 = \chi_{109,1}^{*2}$	1

$$\varphi_{8,1} = 729_2$$

Block 4:	$\varphi_{9,0}$	$\varphi_{9,1}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{12,1}$	φ_{13+}	$\varphi_{15,0}$	$\varphi_{15,1}$
$20_1 = \chi_{21,0}$	.	.	1	.	.	.	.	.
$20_2 = \chi_{21,1}$	.	.	1	.	.	.	.	.
$112_1 = \chi_{22+}$	2	2	.	1	1	.	.	.
$70_2 = \chi_{24,0}$	1	.	1	.	1	.	.	.
$70_3 = \chi_{24,1}$	.	1	1	1	.	.	.	.
$140_3 = \chi_{25+}$	1	1	2	1	1	.	.	.
$140_4 = \chi_{26+}$	1	1	2	1	1	.	.	.
$120_1 = \chi_{29,0}$	1	1	1	1	1	.	.	.
$120_2 = \chi_{29,1}$	1	1	1	1	1	.	.	.
$420_3 = \chi_{30+}$	.	.	4	1	1	1	.	.
$1008_1 = \chi_{32+}$	3	3	6	3	3	.	1	1
$540_1 = \chi_{34,0}$	1	1	5	2	2	1	.	.
$540_2 = \chi_{34,1}$	1	1	5	2	2	1	.	.
$560_5 = \chi_{35,0}$	3	2	3	2	2	.	.	1
$560_6 = \chi_{35,1}$	2	3	3	2	2	.	1	.
$630_2 = \chi_{36,0}$	.	.	2	1	.	1	.	1
$630_3 = \chi_{36,1}$	.	.	2	.	1	1	1	.
$1280_2 = \chi_{37+}$	3	3	7	3	3	1	1	1
$896_3 = \chi_{39,0}$	2	3	5	2	3	1	1	.
$896_4 = \chi_{39,1}$	3	2	5	3	2	1	.	1
$90_5 = \chi_{112,0}$	1	.	2	.	1	.	.	.
$90_6 = \chi_{112,1}$	.	1	2	1	.	.	.	.
$90_7 = \chi_{112,0}^{*2}$	1	.	2	.	1	.	.	.
$90_8 = \chi_{112,1}^{*2}$	.	1	2	1	.	.	.	.
$252_1 = \chi_{113+}$	3	3	2	2	2	.	.	.
$252_2 = \chi_{113*2+}$	3	3	2	2	2	.	.	.
$252_3 = \chi_{115+}$	.	.	.	.	.	1	.	.
$252_4 = \chi_{115*5+}$	.	.	.	.	.	1	.	.
$540_3 = \chi_{117+}$	1	1	5	2	2	1	.	.
$540_4 = \chi_{117*8+}$	1	1	5	2	2	1	.	.
$504_1 = \chi_{119,0}$	1	2	3	1	2	.	1	.
$504_2 = \chi_{119,1}$	2	1	3	2	1	.	.	1
$504_3 = \chi_{119,0}^{*2}$	1	2	3	1	2	.	1	.
$504_4 = \chi_{119,1}^{*2}$	2	1	3	2	1	.	.	1
$540_5 = \chi_{120,0}$	1	1	5	2	2	1	.	.
$540_6 = \chi_{120,1}$	1	1	5	2	2	1	.	.
$540_7 = \chi_{120,0}^{*2}$	1	1	5	2	2	1	.	.
$540_8 = \chi_{120,1}^{*2}$	1	1	5	2	2	1	.	.
$630_{10} = \chi_{121,0}$	3	3	4	3	2	.	.	1
$630_{11} = \chi_{121,1}$	3	3	4	2	3	.	1	.

(Block 4:)	$\varphi_{9,0}$	$\varphi_{9,1}$	φ_{10+}	$\varphi_{12,0}$	$\varphi_{12,1}$	φ_{13+}	$\varphi_{15,0}$	$\varphi_{15,1}$
$630_{12} = \chi_{121,0}^{*2}$	3	3	4	3	2	.	.	1
$630_{13} = \chi_{121,1}^{*2}$	3	3	4	2	3	.	1	.
$720_5 = \chi_{122,0}$	1	.	4	1	1	1	.	1
$720_6 = \chi_{122,1}$	.	1	4	1	1	1	1	.
$720_7 = \chi_{122,0}^{*2}$	1	.	4	1	1	1	.	1
$720_8 = \chi_{122,1}^{*2}$	.	1	4	1	1	1	1	.
$1260_1 = \chi_{123,0}$	3	3	6	3	3	1	1	1
$1260_2 = \chi_{123,1}$	3	3	6	3	3	1	1	1
$1260_3 = \chi_{123,0}^{*2}$	3	3	6	3	3	1	1	1
$1260_4 = \chi_{123,1}^{*2}$	3	3	6	3	3	1	1	1

$$\begin{array}{ll}
\varphi_{9,0} & = 6_1 \\
\varphi_{9,1} & = 6_2 \\
\varphi_{10+} & = 20_1 \\
\varphi_{12,0} & = 44_1
\end{array}
\qquad
\begin{array}{ll}
\varphi_{12,1} & = 44_2 \\
\varphi_{13+} & = 252_1 \\
\varphi_{15,0} & = 294_1 \\
\varphi_{15,1} & = 294_2
\end{array}$$

Block 5:	φ_{16+}	φ_{17+}	φ_{18+}	φ_{19+}	φ_{20+}	φ_{21+}
$40_1 = \chi_{40+}$	1	1	.	.	.	.
$240_1 = \chi_{41+}$	2	1	1	1	.	.
$280_1 = \chi_{42+}$	2	1	.	.	1	.
$448_1 = \chi_{43+}$	4	2	.	1	1	.
$448_2 = \chi_{45+}$	4	2	.	1	1	.
$448_3 = \chi_{44+}$	4	2	.	1	1	.
$448_4 = \chi_{46+}$	4	2	.	1	1	.
$560_7 = \chi_{47+}$	5	3	1	1	1	.
$560_8 = \chi_{48+}$	5	3	1	1	1	.
$560_9 = \chi_{49+}$	5	3	1	1	1	.
$840_1 = \chi_{50+}$	7	4	1	1	2	.
$1080_1 = \chi_{51+}$	2	1	1	2	.	1
$1280_3 = \chi_{52+}$	10	6	1	2	3	.
$1280_4 = \chi_{53+}$	5	3	1	1	1	1
$1680_1 = \chi_{54+}$	7	4	1	2	2	1
$1792_1 = \chi_{55+}$	8	5	2	2	2	1
$72_1 = \chi_{124+}$	.	.	1	.	.	.
$72_2 = \chi_{124*5+}$	.	.	1	.	.	.
$432_1 = \chi_{125+}$	4	3	1	.	1	.
$432_2 = \chi_{125*5+}$	4	3	1	.	1	.
$720_9 = \chi_{126+}$	5	3	.	1	2	.
$720_{10} = \chi_{126*29+}$	5	3	.	1	2	.
$720_{11} = \chi_{127+}$	.	.	.	.	.	1
$720_{12} = \chi_{126*71+}$	.	.	.	.	.	1
$1008_2 = \chi_{128+}$	9	5	1	2	2	.
$1008_3 = \chi_{128*5+}$	9	5	1	2	2	.
$1008_4 = \chi_{129+}$	9	5	1	2	2	.
$1008_5 = \chi_{129*5+}$	9	5	1	2	2	.
$1080_2 = \chi_{130+}$	2	1	1	2	.	1
$1080_3 = \chi_{130*5+}$	2	1	1	2	.	1
$1512_1 = \chi_{131+}$	6	4	2	2	1	1
$1512_2 = \chi_{131*5+}$	6	4	2	2	1	1
$2520_1 = \chi_{132+}$	14	8	2	3	4	1
$2520_2 = \chi_{132*5+}$	14	8	2	3	4	1

$$\begin{aligned}
\varphi_{16+} &= 8_1 \\
\varphi_{17+} &= 32_1 \\
\varphi_{18+} &= 72_1 \\
\varphi_{19+} &= 120_1 \\
\varphi_{20+} &= 232_1 \\
\varphi_{21+} &= 720_1
\end{aligned}$$