

$U_4(3).2_1 \pmod{3}$

	blocks	defect	matrix
$3_1.G :$	1 2	7 1	47×14 3×2
$6_1.G :$	3	7	47×14
$12_1.G :$	4 $5 = 4 * 7$	7	38×12

	blocks	defect	matrix
$3_2.G :$	1 2	7 1	44×14 3×2
$6_2.G :$	3	7	44×14
$12_2.G :$	4 $5 = 4 * 7$	7	35×12

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$21_1 = \chi_{2,0}$	.	2	.	.	1	.	.	.	.	.	.	.	.
$21_2 = \chi_{2,1}$	2	.	.	.	.	1	.	.	.	.	.	.	.
$35_1 = \chi_{3,0}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$35_2 = \chi_{3,1}$	1	.	.	1	1	.	.	.	.	.	.	.	.
$35_3 = \chi_{4,0}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$35_4 = \chi_{4,1}$	1	.	.	1	1	.	.	.	.	.	.	.	.
$90_1 = \chi_{5,0}$	2	.	.	.	1	.	.	.	.	.	1	.	.
$90_2 = \chi_{5,1}$	.	2	.	.	.	1	.	.	.	.	.	1	.
$140_1 = \chi_{6,0}$	3	.	2	.	.	2	.	.	.	.	1	.	.
$140_2 = \chi_{6,1}$	.	3	.	2	2	.	.	.	.	.	.	1	.
$189_1 = \chi_{7,0}$	.	.	2	.	.	.	.	1	.	1	1	.	.
$189_2 = \chi_{7,1}$	.	.	.	2	.	.	1	.	1	.	.	1	.
$210_1 = \chi_{8,0}$	1	.	1	.	.	2	.	.	.	.	.	.	1
$210_2 = \chi_{8,1}$	.	1	.	1	2	.	.	.	.	.	.	.	.
$560_1 = \chi_{9+}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$560_2 = \chi_{11+}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$315_1 = \chi_{13,0}$	1	2	.	2	2	1	.	.	.	.	.	1	1
$315_2 = \chi_{13,1}$	2	1	2	.	1	2	.	.	.	.	1	.	.
$315_3 = \chi_{14,0}$	1	2	.	2	2	1	.	.	.	.	.	1	1
$315_4 = \chi_{14,1}$	2	1	2	.	1	2	.	.	.	.	1	.	.
$420_1 = \chi_{15,0}$	1	2	3	.	1	2	.	1	.	1	1	.	1
$420_2 = \chi_{15,1}$	2	1	.	3	2	1	1	.	1	.	.	1	.
$560_3 = \chi_{16,0}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$560_4 = \chi_{16,1}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$640_1 = \chi_{17,0}$	1	2	.	3	3	1	1	1	1	.	.	1	1
$640_2 = \chi_{17,1}$	2	1	3	.	1	3	1	1	.	1	1	.	1
$640_3 = \chi_{18,0}$	1	2	.	3	3	1	1	.	1	1	.	1	1
$640_4 = \chi_{18,1}$	2	1	3	.	1	3	.	1	1	1	1	.	1
$896_1 = \chi_{20,0}$	3	2	2	2	4	2	1	1	1	1	1	.	1
$896_2 = \chi_{20,1}$	2	3	2	2	2	4	1	1	1	1	.	1	2
$30_1 = \chi_{56+}$	.	.	1	1	.	.	.	.	.	.	.	.	.
$42_1 = \chi_{57+}$	2	2	.	.	1	1	.	.	.	.	.	.	.
$210_7 = \chi_{58+}$	2	2	1	1	1	1	.	.	.	.	1	1	.
$210_8 = \chi_{59+}$	.	.	1	1	.	.	1	1	1	1	.	.	.
$210_9 = \chi_{60+}$	2	2	1	1	1	1	.	.	.	.	1	1	.
$420_7 = \chi_{61+}$	1	1	1	1	2	2	.	.	.	.	.	.	1
$630_3 = \chi_{62+}$	1	1	2	2	2	2	1	1	1	1	.	.	1
$672_1 = \chi_{63+}$	5	5	2	2	4	4	.	.	.	.	1	1	1

(Block 1:)	$\varphi_{7,1}$
$1_1 = \chi_{1,0}$	.
$1_2 = \chi_{1,1}$	.
$21_1 = \chi_{2,0}$	.
$21_2 = \chi_{2,1}$	.
$35_1 = \chi_{3,0}$	.
$35_2 = \chi_{3,1}$	.
$35_3 = \chi_{4,0}$	.
$35_4 = \chi_{4,1}$	.
$90_1 = \chi_{5,0}$	.
$90_2 = \chi_{5,1}$	.
$140_1 = \chi_{6,0}$	.
$140_2 = \chi_{6,1}$	.
$189_1 = \chi_{7,0}$	.
$189_2 = \chi_{7,1}$	.
$210_1 = \chi_{8,0}$	.
$210_2 = \chi_{8,1}$	1
$560_1 = \chi_{9+}$	1
$560_2 = \chi_{11+}$	1
$315_1 = \chi_{13,0}$	.
$315_2 = \chi_{13,1}$	1
$315_3 = \chi_{14,0}$	.
$315_4 = \chi_{14,1}$	1
$420_1 = \chi_{15,0}$	.
$420_2 = \chi_{15,1}$	1
$560_3 = \chi_{16,0}$	1
$560_4 = \chi_{16,1}$	1
$640_1 = \chi_{17,0}$	1
$640_2 = \chi_{17,1}$	1
$640_3 = \chi_{18,0}$	1
$640_4 = \chi_{18,1}$	1
$896_1 = \chi_{20,0}$	2
$896_2 = \chi_{20,1}$	1
$30_1 = \chi_{56+}$	.
$42_1 = \chi_{57+}$	.
$210_7 = \chi_{58+}$	.
$210_8 = \chi_{59+}$	.
$210_9 = \chi_{60+}$	.
$420_7 = \chi_{61+}$	1
$630_3 = \chi_{62+}$	1
$672_1 = \chi_{63+}$	1

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
$720_1 = \chi_{64+}$	3	3	2	2	3	3	1	1	.	.	1	1	1
$720_2 = \chi_{65+}$	3	3	2	2	3	3	.	.	1	1	1	1	1
$768_1 = \chi_{66+}$	1	1	2	2	2	2	1	1	1	1	1	1	1
$840_5 = \chi_{67+}$	3	3	3	3	3	3	1	1	1	1	1	1	1
$1260_1 = \chi_{68+}$	4	4	4	4	5	5	1	1	1	1	1	1	2
$1512_1 = \chi_{70+}$	2	2	2	2	4	4	2	2	2	2	.	.	3
$1890_1 = \chi_{71+}$	2	2	4	4	4	4	3	3	3	3	1	1	3

(Block 1:)	$\varphi_{7,1}$
$720_1 = \chi_{64+}$	1
$720_2 = \chi_{65+}$	1
$768_1 = \chi_{66+}$	1
$840_5 = \chi_{67+}$	1
$1260_1 = \chi_{68+}$	2
$1512_1 = \chi_{70+}$	3
$1890_1 = \chi_{71+}$	3

$$\begin{aligned}
\varphi_{1,0} &= 1_1 \\
\varphi_{1,1} &= 1_2 \\
\varphi_{2,0} &= 15_1 \\
\varphi_{2,1} &= 15_2 \\
\varphi_{3,0} &= 19_1 \\
\varphi_{3,1} &= 19_2 \\
\varphi_{4,0} &= 45_1 \\
\varphi_{4,1} &= 45_2 \\
\varphi_{5,0} &= 45_3 \\
\varphi_{5,1} &= 45_4 \\
\varphi_{6,0} &= 69_1 \\
\varphi_{6,1} &= 69_2 \\
\varphi_{7,0} &= 156_1 \\
\varphi_{7,1} &= 156_2
\end{aligned}$$

Block 2₁, 2₂:	$\varphi_{8,0}$	$\varphi_{8,1}$
$729_1 = \chi_{19,0}$	1	.
$729_2 = \chi_{19,1}$	.	1
$1458_1 = \chi_{69+}$	1	1

$$\begin{aligned}
\varphi_{8,0} &= 729_1 \\
\varphi_{8,1} &= 729_2
\end{aligned}$$

Block 3:	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$
$20_1 = \chi_{21,0}$	.	.	1	.	1	.	.	.	.	.	.
$20_2 = \chi_{21,1}$	.	.	.	1	.	1	.	.	.	.	.
$56_1 = \chi_{22,0}$	1	1	.	.	.	.	.	1	.	.	.
$56_2 = \chi_{22,1}$	1	1	.	.	.	.	1	.	.	.	.
$56_3 = \chi_{23,0}$	1	1	.	.	.	.	.	1	.	.	.
$56_4 = \chi_{23,1}$	1	1	.	.	.	.	1	.	.	.	.
$70_1 = \chi_{24,0}$	.	1	1	.	.	1	.	1	.	.	.
$70_2 = \chi_{24,1}$	1	.	.	1	1	.	1	.	.	.	.
$140_3 = \chi_{25+}$	1	1	1	1	1	1	1	1	.	.	.
$140_4 = \chi_{27+}$	1	1	1	1	1	1	1	1	.	.	.
$120_1 = \chi_{29,0}$	1	1	.	1	.	1	1	1	.	.	.
$120_2 = \chi_{29,1}$	1	1	1	.	1	.	1	1	.	.	.
$210_3 = \chi_{30,0}$	.	.	.	2	.	2	.	1	.	.	1
$210_4 = \chi_{30,1}$	.	.	2	.	2	.	1	.	.	.	.
$210_5 = \chi_{31,0}$	.	.	.	2	.	2	1	.	1	.	.
$210_6 = \chi_{31,1}$	.	.	2	.	2	.	.	1	.	1	.
$504_1 = \chi_{32,0}$	1	2	1	2	2	1	2	1	.	.	.
$504_2 = \chi_{32,1}$	2	1	2	1	1	2	1	2	.	.	.
$504_3 = \chi_{33,0}$	1	2	1	2	2	1	2	1	.	.	.
$504_4 = \chi_{33,1}$	2	1	2	1	1	2	1	2	.	.	.
$540_1 = \chi_{34,0}$	1	1	4	1	4	1	2	2	.	1	.
$540_2 = \chi_{34,1}$	1	1	1	4	1	4	2	2	1	.	1
$560_5 = \chi_{35,0}$	2	3	1	2	2	1	2	2	.	.	.
$560_6 = \chi_{35,1}$	3	2	2	1	1	2	2	2	.	.	.
$630_1 = \chi_{36,0}$	.	.	.	2	2	.	.	1	.	1	1
$630_2 = \chi_{36,1}$	.	.	2	.	.	2	1	.	1	.	.
$640_5 = \chi_{37,0}$	2	1	4	.	2	1	1	2	.	.	.
$640_6 = \chi_{37,1}$	1	2	.	4	1	2	2	1	.	.	1
$640_7 = \chi_{38,0}$	1	2	2	1	4	.	2	1	.	1	.
$640_8 = \chi_{38,1}$	2	1	1	2	.	4	1	2	1	.	.
$896_3 = \chi_{39,0}$	2	3	2	3	3	2	2	3	.	1	1
$896_4 = \chi_{39,1}$	3	2	3	2	2	3	3	2	1	.	.
$12_1 = \chi_{72+}$	1	1	.	.	.	.	.	.	.	.	.
$168_1 = \chi_{73+}$	.	.	2	2	2	2	1	1	.	.	.
$240_1 = \chi_{74+}$	2	2	1	1	1	1	2	2	.	.	.
$252_1 = \chi_{75+}$	3	3	1	1	1	1	2	2	.	.	.
$420_8 = \chi_{76+}$	3	3	3	3	3	3	3	3	.	.	.
$540_7 = \chi_{77+}$	1	1	2	2	3	3	2	2	1	1	.
$540_8 = \chi_{78+}$	1	1	3	3	2	2	2	2	.	.	1
$672_2 = \chi_{79+}$	.	.	2	2	2	2	1	1	1	1	1

(Block 3:)	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$
$20_1 = \chi_{21,0}$.	.	.
$20_2 = \chi_{21,1}$.	.	.
$56_1 = \chi_{22,0}$.	.	.
$56_2 = \chi_{22,1}$.	.	.
$56_3 = \chi_{23,0}$.	.	.
$56_4 = \chi_{23,1}$.	.	.
$70_1 = \chi_{24,0}$.	.	.
$70_2 = \chi_{24,1}$.	.	.
$140_3 = \chi_{25+}$.	.	.
$140_4 = \chi_{27+}$.	.	.
$120_1 = \chi_{29,0}$.	.	.
$120_2 = \chi_{29,1}$.	.	.
$210_3 = \chi_{30,0}$.	.	.
$210_4 = \chi_{30,1}$	1	.	.
$210_5 = \chi_{31,0}$.	.	.
$210_6 = \chi_{31,1}$.	.	.
$504_1 = \chi_{32,0}$.	.	1
$504_2 = \chi_{32,1}$.	1	.
$504_3 = \chi_{33,0}$.	.	1
$504_4 = \chi_{33,1}$.	1	.
$540_1 = \chi_{34,0}$	1	.	.
$540_2 = \chi_{34,1}$.	.	.
$560_5 = \chi_{35,0}$.	.	1
$560_6 = \chi_{35,1}$.	1	.
$630_1 = \chi_{36,0}$.	.	1
$630_2 = \chi_{36,1}$	1	1	.
$640_5 = \chi_{37,0}$	1	1	.
$640_6 = \chi_{37,1}$.	.	1
$640_7 = \chi_{38,0}$.	.	1
$640_8 = \chi_{38,1}$.	1	.
$896_3 = \chi_{39,0}$.	.	1
$896_4 = \chi_{39,1}$	1	1	.
$12_1 = \chi_{72+}$.	.	.
$168_1 = \chi_{73+}$.	.	.
$240_1 = \chi_{74+}$.	.	.
$252_1 = \chi_{75+}$.	.	.
$420_8 = \chi_{76+}$.	.	.
$540_7 = \chi_{77+}$.	.	.
$540_8 = \chi_{78+}$	1	.	.
$672_2 = \chi_{79+}$	1	.	.

(Block 3:)	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$
$768_2 = \chi_{80+}$	1	1	2	2	2	2	1	1	.	.	.
$840_6 = \chi_{81+}$	3	3	1	1	1	1	2	2	.	.	.
$1260_2 = \chi_{82+}$	6	6	4	4	4	4	5	5	.	.	.
$1260_3 = \chi_{83+}$	3	3	3	3	3	3	3	3	.	.	1
$1260_4 = \chi_{84+}$	3	3	3	3	3	3	3	3	1	1	.
$1680_1 = \chi_{85+}$	3	3	5	5	5	5	4	4	1	1	1
$1680_2 = \chi_{86+}$	3	3	5	5	5	5	4	4	1	1	1

(Block 3:)	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$
$768_2 = \chi_{80+}$	.	1	1
$840_6 = \chi_{81+}$	.	1	1
$1260_2 = \chi_{82+}$	.	1	1
$1260_3 = \chi_{83+}$	1	1	1
$1260_4 = \chi_{84+}$	.	1	1
$1680_1 = \chi_{85+}$	1	1	1
$1680_2 = \chi_{86+}$	1	1	1

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

Block 4:	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{21,0}$
$20_3 = \chi_{40,0}$	.	1	1	.	.	.	.	.	.	.	.
$20_4 = \chi_{40,1}$	1	.	.	1	.	.	.	.	.	.	.
$120_3 = \chi_{41,0}$	2	.	.	1	.	1	1	.	.	.	.
$120_4 = \chi_{41,1}$	.	2	1	.	1	.	.	1	.	.	.
$140_5 = \chi_{42,0}$	2	.	.	1	.	.	.	.	1	.	.
$140_6 = \chi_{42,1}$	.	2	1	.	.	.	.	.	.	1	.
$448_1 = \chi_{43+}$	4	4	2	2	.	.	1	1	1	1	.
$448_3 = \chi_{45+}$	4	4	2	2	.	.	1	1	1	1	.
$280_1 = \chi_{47,0}$	4	1	1	2	.	1	1	.	1	.	.
$280_2 = \chi_{47,1}$	1	4	2	1	1	.	.	1	.	1	.
$280_5 = \chi_{48,0}$	4	1	1	2	.	1	1	.	1	.	.
$280_6 = \chi_{48,1}$	1	4	2	1	1	.	.	1	.	1	.
$280_9 = \chi_{49,0}$	4	1	1	2	.	1	1	.	1	.	.
$280_{10} = \chi_{49,1}$	1	4	2	1	1	.	.	1	.	1	.
$420_3 = \chi_{50,0}$	3	4	2	2	1	.	.	1	1	1	.
$420_4 = \chi_{50,1}$	4	3	2	2	.	1	1	.	1	1	.
$540_3 = \chi_{51,0}$	2	.	1	.	.	1	2	.	.	.	.
$540_4 = \chi_{51,1}$	.	2	.	1	1	.	.	2	.	.	1
$640_9 = \chi_{52,0}$	3	7	3	3	1	.	.	2	1	2	.
$640_{10} = \chi_{52,1}$	7	3	3	3	.	1	2	.	2	1	.
$640_{13} = \chi_{53,0}$	2	3	3	.	1	.	1	.	.	1	.
$640_{14} = \chi_{53,1}$	3	2	.	3	.	1	.	1	1	.	1
$840_1 = \chi_{54,0}$	3	4	3	1	1	.	1	1	1	1	.
$840_2 = \chi_{54,1}$	4	3	1	3	.	1	1	1	1	1	1
$896_5 = \chi_{55,0}$	5	3	3	2	1	1	2	.	1	1	.
$896_6 = \chi_{55,1}$	3	5	2	3	1	1	.	2	1	1	1
$168_2 = \chi_{87+}$	2	2	1	1	.	.	1	1	.	.	.
$240_2 = \chi_{88+}$	2	2	1	1	1	1	1	1	.	.	.
$432_1 = \chi_{89+}$	4	4	3	3	1	1	.	.	1	1	.
$768_3 = \chi_{90+}$	7	7	4	4	.	.	1	1	2	2	.
$840_7 = \chi_{91+}$	7	7	4	4	1	1	1	1	2	2	.
$840_9 = \chi_{92+}$	7	7	4	4	1	1	1	1	2	2	.
$960_1 = \chi_{93+}$	2	2	1	1	1	1	1	1	.	.	1
$960_3 = \chi_{94+}$	7	7	4	4	1	1	2	2	2	2	.
$1008_1 = \chi_{95+}$	9	9	5	5	1	1	2	2	2	2	.
$1512_2 = \chi_{96+}$	6	6	4	4	2	2	2	2	1	1	1
$1680_3 = \chi_{97+}$	7	7	4	4	1	1	2	2	2	2	1
$1680_5 = \chi_{98+}$	7	7	4	4	1	1	2	2	2	2	1

(Block 4:)	$\varphi_{21,1}$	
$20_3 = \chi_{40,0}$.	
$20_4 = \chi_{40,1}$.	
$120_3 = \chi_{41,0}$.	
$120_4 = \chi_{41,1}$.	
$140_5 = \chi_{42,0}$.	
$140_6 = \chi_{42,1}$.	
$448_1 = \chi_{43+}$.	
$448_3 = \chi_{45+}$.	
$280_1 = \chi_{47,0}$.	
$280_2 = \chi_{47,1}$.	
$280_5 = \chi_{48,0}$.	
$280_6 = \chi_{48,1}$.	
$280_9 = \chi_{49,0}$.	
$280_{10} = \chi_{49,1}$	.	$\varphi_{16,0} = 4_1$
$420_3 = \chi_{50,0}$	.	$\varphi_{16,1} = 4_2$
$420_4 = \chi_{50,1}$	.	$\varphi_{17,0} = 16_1$
$540_3 = \chi_{51,0}$	1	$\varphi_{17,1} = 16_2$
$540_4 = \chi_{51,1}$	.	$\varphi_{18,0} = 36_1$
$640_9 = \chi_{52,0}$	.	$\varphi_{18,1} = 36_2$
$640_{10} = \chi_{52,1}$	.	$\varphi_{19,0} = 60_1$
$640_{13} = \chi_{53,0}$	1	$\varphi_{19,1} = 60_2$
$640_{14} = \chi_{53,1}$	.	$\varphi_{20,0} = 116_1$
$840_1 = \chi_{54,0}$	1	$\varphi_{20,1} = 116_2$
$840_2 = \chi_{54,1}$	.	$\varphi_{21,0} = 360_1$
$896_5 = \chi_{55,0}$	1	$\varphi_{21,1} = 360_2$
$896_6 = \chi_{55,1}$.	
$168_2 = \chi_{87+}$.	
$240_2 = \chi_{88+}$.	
$432_1 = \chi_{89+}$.	
$768_3 = \chi_{90+}$.	
$840_7 = \chi_{91+}$.	
$840_9 = \chi_{92+}$.	
$960_1 = \chi_{93+}$	1	
$960_3 = \chi_{94+}$.	
$1008_1 = \chi_{95+}$.	
$1512_2 = \chi_{96+}$	1	
$1680_3 = \chi_{97+}$	1	
$1680_5 = \chi_{98+}$	1	

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	.	.	.	.	.	.
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	.	.	.	.	.	.
$21_1 = \chi_{2,0}$	.	2	.	.	1	.	.	.	.	.	.	.	.
$21_2 = \chi_{2,1}$	2	.	.	.	.	1	.	.	.	.	.	.	.
$35_1 = \chi_{3,0}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$35_2 = \chi_{3,1}$	1	.	.	1	1	.	.	.	.	.	.	.	.
$35_3 = \chi_{4,0}$	.	1	1	.	.	1	.	.	.	.	.	.	.
$35_4 = \chi_{4,1}$	1	.	.	1	1	.	.	.	.	.	.	.	.
$90_1 = \chi_{5,0}$	2	.	.	.	1	.	.	.	.	.	1	.	.
$90_2 = \chi_{5,1}$	.	2	.	.	.	1	.	.	.	.	.	1	.
$140_1 = \chi_{6,0}$	3	.	2	.	.	2	.	.	.	.	1	.	.
$140_2 = \chi_{6,1}$	.	3	.	2	2	.	.	.	.	.	.	1	.
$189_1 = \chi_{7,0}$	.	.	2	.	.	.	.	1	.	1	1	.	.
$189_2 = \chi_{7,1}$	.	.	.	2	.	.	1	.	1	.	.	1	.
$210_1 = \chi_{8,0}$	1	.	1	.	.	2	.	.	.	.	.	.	1
$210_2 = \chi_{8,1}$	.	1	.	1	2	.	.	.	.	.	.	.	.
$560_1 = \chi_{9+}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$560_2 = \chi_{11+}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$315_1 = \chi_{13,0}$	1	2	.	2	2	1	.	.	.	.	.	1	1
$315_2 = \chi_{13,1}$	2	1	2	.	1	2	.	.	.	.	1	.	.
$315_3 = \chi_{14,0}$	1	2	.	2	2	1	.	.	.	.	.	1	1
$315_4 = \chi_{14,1}$	2	1	2	.	1	2	.	.	.	.	1	.	.
$420_1 = \chi_{15,0}$	1	2	3	.	1	2	.	1	.	1	1	.	1
$420_2 = \chi_{15,1}$	2	1	.	3	2	1	1	.	1	.	.	1	.
$560_3 = \chi_{16,0}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$560_4 = \chi_{16,1}$	.	.	1	1	1	1	1	1	1	1	.	.	1
$640_1 = \chi_{17,0}$	1	2	.	3	3	1	1	1	1	.	.	1	1
$640_2 = \chi_{17,1}$	2	1	3	.	1	3	1	1	.	1	1	.	1
$640_3 = \chi_{18,0}$	1	2	.	3	3	1	1	.	1	1	.	1	1
$640_4 = \chi_{18,1}$	2	1	3	.	1	3	.	1	1	1	1	.	1
$896_1 = \chi_{20,0}$	3	2	2	2	4	2	1	1	1	1	1	.	1
$896_2 = \chi_{20,1}$	2	3	2	2	2	4	1	1	1	1	.	1	2
$72_1 = \chi_{99+}$	2	2	1	1	1	1	.	.	.	.	.	.	.
$90_3 = \chi_{100+}$	.	.	.	.	.	.	1	1	.	.	.	.	.
$90_4 = \chi_{101+}$	.	.	.	.	.	.	.	.	1	1	.	.	.
$252_1 = \chi_{102+}$	4	4	1	1	2	2	.	.	.	.	1	1	.
$378_1 = \chi_{103+}$	.	.	2	2	.	.	1	1	1	1	1	1	.
$630_3 = \chi_{104+}$	3	3	2	2	3	3	.	.	.	.	1	1	1
$630_4 = \chi_{105+}$	1	1	2	2	2	2	1	1	1	1	.	.	1
$630_5 = \chi_{106+}$	1	1	2	2	2	2	1	1	1	1	.	.	1

(Block 1:)	$\varphi_{7,1}$
$1_1 = \chi_{1,0}$	.
$1_2 = \chi_{1,1}$	.
$21_1 = \chi_{2,0}$	.
$21_2 = \chi_{2,1}$	.
$35_1 = \chi_{3,0}$	.
$35_2 = \chi_{3,1}$	.
$35_3 = \chi_{4,0}$	.
$35_4 = \chi_{4,1}$	.
$90_1 = \chi_{5,0}$	.
$90_2 = \chi_{5,1}$	.
$140_1 = \chi_{6,0}$	.
$140_2 = \chi_{6,1}$	.
$189_1 = \chi_{7,0}$	.
$189_2 = \chi_{7,1}$	.
$210_1 = \chi_{8,0}$	.
$210_2 = \chi_{8,1}$	1
$560_1 = \chi_{9+}$	1
$560_2 = \chi_{11+}$	1
$315_1 = \chi_{13,0}$	.
$315_2 = \chi_{13,1}$	1
$315_3 = \chi_{14,0}$	.
$315_4 = \chi_{14,1}$	1
$420_1 = \chi_{15,0}$	.
$420_2 = \chi_{15,1}$	1
$560_3 = \chi_{16,0}$	1
$560_4 = \chi_{16,1}$	1
$640_1 = \chi_{17,0}$	1
$640_2 = \chi_{17,1}$	1
$640_3 = \chi_{18,0}$	1
$640_4 = \chi_{18,1}$	1
$896_1 = \chi_{20,0}$	2
$896_2 = \chi_{20,1}$	1
$72_1 = \chi_{99+}$	.
$90_3 = \chi_{100+}$	.
$90_4 = \chi_{101+}$	.
$252_1 = \chi_{102+}$	.
$378_1 = \chi_{103+}$	.
$630_3 = \chi_{104+}$	1
$630_4 = \chi_{105+}$	1
$630_5 = \chi_{106+}$	1

(Block 1:)	$\varphi_{1,0}$	$\varphi_{1,1}$	$\varphi_{2,0}$	$\varphi_{2,1}$	$\varphi_{3,0}$	$\varphi_{3,1}$	$\varphi_{4,0}$	$\varphi_{4,1}$	$\varphi_{5,0}$	$\varphi_{5,1}$	$\varphi_{6,0}$	$\varphi_{6,1}$	$\varphi_{7,0}$
$1260_1 = \chi_{107+}$	4	4	4	4	5	5	1	1	1	1	1	1	2
$1440_1 = \chi_{108+}$	6	6	4	4	6	6	1	1	1	1	2	2	2
$1512_1 = \chi_{110+}$	2	2	2	2	4	4	2	2	2	2	.	.	3
$1890_1 = \chi_{111+}$	2	2	4	4	4	4	3	3	3	3	1	1	3

(Block 1:)	$\varphi_{7,1}$
$1260_1 = \chi_{107+}$	2
$1440_1 = \chi_{108+}$	2
$1512_1 = \chi_{110+}$	3
$1890_1 = \chi_{111+}$	3

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{1,1} &= 1_2 \\ \varphi_{2,0} &= 15_1 \\ \varphi_{2,1} &= 15_2 \\ \varphi_{3,0} &= 19_1 \\ \varphi_{3,1} &= 19_2 \\ \varphi_{4,0} &= 45_1 \\ \varphi_{4,1} &= 45_2 \\ \varphi_{5,0} &= 45_3 \\ \varphi_{5,1} &= 45_4 \\ \varphi_{6,0} &= 69_1 \\ \varphi_{6,1} &= 69_2 \\ \varphi_{7,0} &= 156_1 \\ \varphi_{7,1} &= 156_2 \end{aligned}$$

Block 2 ₁ , 2 ₂ :	$\varphi_{8,0}$	$\varphi_{8,1}$
$729_1 = \chi_{19,0}$	1	.
$729_2 = \chi_{19,1}$	.	1
$1458_1 = \chi_{109+}$	1	1

$$\begin{aligned} \varphi_{8,0} &= 729_1 \\ \varphi_{8,1} &= 729_2 \end{aligned}$$

Block 3:	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$
$20_1 = \chi_{21,0}$	.	.	1	.	1	.	.	.	.	.	.
$20_2 = \chi_{21,1}$	.	.	.	1	.	1	.	.	.	.	.
$56_1 = \chi_{22,0}$	1	1	.	.	.	.	.	1	.	.	.
$56_2 = \chi_{22,1}$	1	1	.	.	.	.	1	.	.	.	.
$56_3 = \chi_{23,0}$	1	1	.	.	.	.	.	1	.	.	.
$56_4 = \chi_{23,1}$	1	1	.	.	.	.	1	.	.	.	.
$70_1 = \chi_{24,0}$	.	1	1	.	.	1	.	1	.	.	.
$70_2 = \chi_{24,1}$	1	.	.	1	1	.	1	.	.	.	.
$140_3 = \chi_{25+}$	1	1	1	1	1	1	1	1	.	.	.
$140_4 = \chi_{27+}$	1	1	1	1	1	1	1	1	.	.	.
$120_1 = \chi_{29,0}$	1	1	.	1	.	1	1	1	.	.	.
$120_2 = \chi_{29,1}$	1	1	1	.	1	.	1	1	.	.	.
$210_3 = \chi_{30,0}$	.	.	.	2	.	2	.	1	.	.	1
$210_4 = \chi_{30,1}$	.	.	2	.	2	.	1	.	.	.	.
$210_5 = \chi_{31,0}$	.	.	.	2	.	2	1	.	1	.	.
$210_6 = \chi_{31,1}$	.	.	2	.	2	.	.	1	.	1	.
$504_1 = \chi_{32,0}$	1	2	1	2	2	1	2	1	.	.	.
$504_2 = \chi_{32,1}$	2	1	2	1	1	2	1	2	.	.	.
$504_3 = \chi_{33,0}$	1	2	1	2	2	1	2	1	.	.	.
$504_4 = \chi_{33,1}$	2	1	2	1	1	2	1	2	.	.	.
$540_1 = \chi_{34,0}$	1	1	4	1	4	1	2	2	.	1	.
$540_2 = \chi_{34,1}$	1	1	1	4	1	4	2	2	1	.	1
$560_5 = \chi_{35,0}$	2	3	1	2	2	1	2	2	.	.	.
$560_6 = \chi_{35,1}$	3	2	2	1	1	2	2	2	.	.	.
$630_1 = \chi_{36,0}$	.	.	.	2	2	.	.	1	.	1	1
$630_2 = \chi_{36,1}$	.	.	2	.	.	2	1	.	1	.	.
$640_5 = \chi_{37,0}$	2	1	4	.	2	1	1	2	.	.	.
$640_6 = \chi_{37,1}$	1	2	.	4	1	2	2	1	.	.	1
$640_7 = \chi_{38,0}$	1	2	2	1	4	.	2	1	.	1	.
$640_8 = \chi_{38,1}$	2	1	1	2	.	4	1	2	1	.	.
$896_3 = \chi_{39,0}$	2	3	2	3	3	2	2	3	.	1	1
$896_4 = \chi_{39,1}$	3	2	3	2	2	3	3	2	1	.	.
$180_1 = \chi_{112+}$	1	1	2	2	2	2	1	1	.	.	.
$252_2 = \chi_{113+}$	3	3	1	1	1	1	2	2	.	.	.
$252_3 = \chi_{114+}$	3	3	1	1	1	1	2	2	.	.	.
$252_4 = \chi_{115+}$	.	.	.	.	.	.	.	.	.	.	1
$252_5 = \chi_{116+}$	.	.	.	.	.	.	.	.	1	1	.
$540_7 = \chi_{117+}$	1	1	2	2	3	3	2	2	1	1	.
$540_8 = \chi_{118+}$	1	1	3	3	2	2	2	2	.	.	1
$1008_1 = \chi_{119+}$	3	3	3	3	3	3	3	3	.	.	.

(Block 3:)	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$
$20_1 = \chi_{21,0}$.	.	.
$20_2 = \chi_{21,1}$.	.	.
$56_1 = \chi_{22,0}$.	.	.
$56_2 = \chi_{22,1}$.	.	.
$56_3 = \chi_{23,0}$.	.	.
$56_4 = \chi_{23,1}$.	.	.
$70_1 = \chi_{24,0}$.	.	.
$70_2 = \chi_{24,1}$.	.	.
$140_3 = \chi_{25+}$.	.	.
$140_4 = \chi_{27+}$.	.	.
$120_1 = \chi_{29,0}$.	.	.
$120_2 = \chi_{29,1}$.	.	.
$210_3 = \chi_{30,0}$.	.	.
$210_4 = \chi_{30,1}$	1	.	.
$210_5 = \chi_{31,0}$.	.	.
$210_6 = \chi_{31,1}$.	.	.
$504_1 = \chi_{32,0}$.	.	1
$504_2 = \chi_{32,1}$.	1	.
$504_3 = \chi_{33,0}$.	.	1
$504_4 = \chi_{33,1}$.	1	.
$540_1 = \chi_{34,0}$	1	.	.
$540_2 = \chi_{34,1}$.	.	.
$560_5 = \chi_{35,0}$.	.	1
$560_6 = \chi_{35,1}$.	1	.
$630_1 = \chi_{36,0}$.	.	1
$630_2 = \chi_{36,1}$	1	1	.
$640_5 = \chi_{37,0}$	1	1	.
$640_6 = \chi_{37,1}$.	.	1
$640_7 = \chi_{38,0}$.	.	1
$640_8 = \chi_{38,1}$.	1	.
$896_3 = \chi_{39,0}$.	.	1
$896_4 = \chi_{39,1}$	1	1	.
$180_1 = \chi_{112+}$.	.	.
$252_2 = \chi_{113+}$.	.	.
$252_3 = \chi_{114+}$.	.	.
$252_4 = \chi_{115+}$	1	.	.
$252_5 = \chi_{116+}$.	.	.
$540_7 = \chi_{117+}$.	.	.
$540_8 = \chi_{118+}$	1	.	.
$1008_1 = \chi_{119+}$.	1	1

(Block 3:)	$\varphi_{9,0}$	$\varphi_{9,1}$	$\varphi_{10,0}$	$\varphi_{10,1}$	$\varphi_{11,0}$	$\varphi_{11,1}$	$\varphi_{12,0}$	$\varphi_{12,1}$	$\varphi_{13,0}$	$\varphi_{13,1}$	$\varphi_{14,0}$
$1080_1 = \chi_{120+}$	2	2	5	5	5	5	4	4	1	1	1
$1260_2 = \chi_{121+}$	6	6	4	4	4	4	5	5	.	.	.
$1440_2 = \chi_{122+}$	1	1	4	4	4	4	2	2	1	1	1
$2520_1 = \chi_{123+}$	6	6	6	6	6	6	6	6	1	1	1

(Block 3:)	$\varphi_{14,1}$	$\varphi_{15,0}$	$\varphi_{15,1}$
$1080_1 = \chi_{120+}$	1	.	.
$1260_2 = \chi_{121+}$	.	1	1
$1440_2 = \chi_{122+}$	1	1	1
$2520_1 = \chi_{123+}$	1	2	2

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

Block 4:	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$	$\varphi_{18,0}$	$\varphi_{18,1}$	$\varphi_{19,0}$	$\varphi_{19,1}$	$\varphi_{20,0}$	$\varphi_{20,1}$	$\varphi_{21,0}$
$20_3 = \chi_{40,0}$	.	1	1	.	.	.	.	.	.	.	.
$20_4 = \chi_{40,1}$	1	.	.	1	.	.	.	.	.	.	.
$120_3 = \chi_{41,0}$	2	.	.	1	.	1	1	.	.	.	.
$120_4 = \chi_{41,1}$	.	2	1	.	1	.	.	1	.	.	.
$140_5 = \chi_{42,0}$	2	.	.	1	.	.	.	.	1	.	.
$140_6 = \chi_{42,1}$	.	2	1	.	.	.	.	.	.	1	.
$448_1 = \chi_{43+}$	4	4	2	2	.	.	1	1	1	1	.
$448_3 = \chi_{45+}$	4	4	2	2	.	.	1	1	1	1	.
$280_1 = \chi_{47,0}$	4	1	1	2	.	1	1	.	1	.	.
$280_2 = \chi_{47,1}$	1	4	2	1	1	.	.	1	.	1	.
$280_5 = \chi_{48,0}$	4	1	1	2	.	1	1	.	1	.	.
$280_6 = \chi_{48,1}$	1	4	2	1	1	.	.	1	.	1	.
$280_9 = \chi_{49,0}$	4	1	1	2	.	1	1	.	1	.	.
$280_{10} = \chi_{49,1}$	1	4	2	1	1	.	.	1	.	1	.
$420_3 = \chi_{50,0}$	3	4	2	2	1	.	.	1	1	1	.
$420_4 = \chi_{50,1}$	4	3	2	2	.	1	1	.	1	1	.
$540_3 = \chi_{51,0}$	2	.	1	.	.	1	2	.	.	.	.
$540_4 = \chi_{51,1}$	.	2	.	1	1	.	.	2	.	.	1
$640_9 = \chi_{52,0}$	3	7	3	3	1	.	.	2	1	2	.
$640_{10} = \chi_{52,1}$	7	3	3	3	.	1	2	.	2	1	.
$640_{13} = \chi_{53,0}$	2	3	3	.	1	.	1	.	.	1	.
$640_{14} = \chi_{53,1}$	3	2	.	3	.	1	.	1	1	.	1
$840_1 = \chi_{54,0}$	3	4	3	1	1	.	1	1	1	1	.
$840_2 = \chi_{54,1}$	4	3	1	3	.	1	1	1	1	1	1
$896_5 = \chi_{55,0}$	5	3	3	2	1	1	2	.	1	1	.
$896_6 = \chi_{55,1}$	3	5	2	3	1	1	.	2	1	1	1
$72_2 = \chi_{124+}$	.	.	.	.	1	1	.	.	.	.	.
$432_1 = \chi_{125+}$	4	4	3	3	1	1	.	.	1	1	.
$720_1 = \chi_{126+}$	5	5	3	3	.	.	1	1	2	2	.
$720_3 = \chi_{127+}$	.	.	.	.	.	.	.	.	.	.	1
$1008_2 = \chi_{128+}$	9	9	5	5	1	1	2	2	2	2	.
$1008_4 = \chi_{129+}$	9	9	5	5	1	1	2	2	2	2	.
$1080_2 = \chi_{130+}$	2	2	1	1	1	1	2	2	.	.	1
$1512_2 = \chi_{131+}$	6	6	4	4	2	2	2	2	1	1	1
$2520_2 = \chi_{132+}$	14	14	8	8	2	2	3	3	4	4	1

(Block 4:)	$\varphi_{21,1}$	
$20_3 = \chi_{40,0}$.	
$20_4 = \chi_{40,1}$.	
$120_3 = \chi_{41,0}$.	
$120_4 = \chi_{41,1}$.	
$140_5 = \chi_{42,0}$.	
$140_6 = \chi_{42,1}$.	
$448_1 = \chi_{43+}$.	
$448_3 = \chi_{45+}$.	
$280_1 = \chi_{47,0}$.	
$280_2 = \chi_{47,1}$.	
$280_5 = \chi_{48,0}$.	
$280_6 = \chi_{48,1}$	.	$\varphi_{16,0} = 4_1$
$280_9 = \chi_{49,0}$	.	$\varphi_{16,1} = 4_2$
$280_{10} = \chi_{49,1}$	.	$\varphi_{17,0} = 16_1$
$420_3 = \chi_{50,0}$	.	$\varphi_{17,1} = 16_2$
$420_4 = \chi_{50,1}$	.	$\varphi_{18,0} = 36_1$
$540_3 = \chi_{51,0}$	1	$\varphi_{18,1} = 36_2$
$540_4 = \chi_{51,1}$	.	$\varphi_{19,0} = 60_1$
$640_9 = \chi_{52,0}$	.	$\varphi_{19,1} = 60_2$
$640_{10} = \chi_{52,1}$	.	$\varphi_{20,0} = 116_1$
$640_{13} = \chi_{53,0}$	1	$\varphi_{20,1} = 116_2$
$640_{14} = \chi_{53,1}$	.	$\varphi_{21,0} = 360_1$
$840_1 = \chi_{54,0}$	1	$\varphi_{21,1} = 360_2$
$840_2 = \chi_{54,1}$.	
$896_5 = \chi_{55,0}$	1	
$896_6 = \chi_{55,1}$.	
$72_2 = \chi_{124+}$.	
$432_1 = \chi_{125+}$.	
$720_1 = \chi_{126+}$.	
$720_3 = \chi_{127+}$	1	
$1008_2 = \chi_{128+}$.	
$1008_4 = \chi_{129+}$.	
$1080_2 = \chi_{130+}$	1	
$1512_2 = \chi_{131+}$	1	
$2520_2 = \chi_{132+}$	1	