

$A_{13.2} \pmod{2}$

	blocks	defect	matrix
$2.G :$	1	11	81×11
	2	9	47×7

(Block 1:)	$\varphi_{1,0}$	φ_{3+}	$\varphi_{5,0}$	φ_{6+}	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{12,0}$	$\varphi_{13,0}$	$\varphi_{15,0}$	$\varphi_{16,0}$	φ_{19+}
5005 ₁ = $\chi_{33,0}$	3	.	.	1	.	1	1	1	1	.	.
5005 ₂ = $\chi_{33,1}$	3	.	.	1	.	1	1	1	1	.	.
6006 ₁ = $\chi_{36,0}$	4	1	1	1	1	.	2	1	.	1	.
6006 ₂ = $\chi_{36,1}$	4	1	1	1	1	.	2	1	.	1	.
6435 ₁ = $\chi_{37,0}$	3	1	1	1	1	1	1	.	1	1	.
6435 ₂ = $\chi_{37,1}$	3	1	1	1	1	1	1	.	1	1	.
6864 ₁ = $\chi_{38,0}$	6	2	2	1	3	.	2	1	.	1	.
6864 ₂ = $\chi_{38,1}$	6	2	2	1	3	.	2	1	.	1	.
7371 ₁ = $\chi_{39,0}$	7	1	2	1	2	1	3	1	.	1	.
7371 ₂ = $\chi_{39,1}$	7	1	2	1	2	1	3	1	.	1	.
7800 ₁ = $\chi_{40,0}$	8	2	2	1	3	1	3	1	.	1	.
7800 ₂ = $\chi_{40,1}$	8	2	2	1	3	1	3	1	.	1	.
16016 ₁ = χ_{41+}	8	2	4	1	2	.	2	.	.	2	1
9009 ₁ = $\chi_{44,0}$	7	1	2	1	2	1	2	1	1	1	.
9009 ₂ = $\chi_{44,1}$	7	1	2	1	2	1	2	1	1	1	.
10296 ₁ = $\chi_{46,0}$	8	2	2	2	3	1	3	1	1	1	.
10296 ₂ = $\chi_{46,1}$	8	2	2	2	3	1	3	1	1	1	.
11583 ₁ = $\chi_{48,0}$	5	1	3	.	1	.	.	.	.	1	1
11583 ₂ = $\chi_{48,1}$	5	1	3	.	1	.	.	.	.	1	1
12870 ₁ = $\chi_{51,0}$	6	2	3	1	2	.	1	.	.	1	1
12870 ₂ = $\chi_{51,1}$	6	2	3	1	2	.	1	.	.	1	1
15015 ₁ = $\chi_{52,0}$	7	1	3	1	1	1	1	.	1	1	1
15015 ₂ = $\chi_{52,1}$	7	1	3	1	1	1	1	.	1	1	1
21450 ₁ = $\chi_{55,0}$	12	3	4	2	3	1	3	1	1	2	1
21450 ₂ = $\chi_{55,1}$	12	3	4	2	3	1	3	1	1	2	1
64 ₁ = χ_{56+}	.	1	.	.	.	.	.	.	.	.	.
352 ₁ = $\chi_{58,0}$	.	1	.	1	.	.	.	.	.	.	.
352 ₂ = $\chi_{58,1}$	.	1	.	1	.	.	.	.	.	.	.
4992 ₁ = χ_{60+}	.	.	.	2	.	.	.	.	2	.	.
4576 ₁ = $\chi_{63,0}$	4	.	.	1	.	.	2	2	.	.	.
4576 ₂ = $\chi_{63,1}$	4	.	.	1	.	.	2	2	.	.	.
8800 ₁ = $\chi_{65,0}$	.	1	.	1	.	.	.	.	.	.	1
8800 ₂ = $\chi_{65,1}$	.	1	.	1	.	.	.	.	.	.	1
18304 ₁ = χ_{67+}	4	2	.	1	.	.	.	.	2	2	1
9504 ₁ = $\chi_{71,0}$	8	1	4	.	2	.	.	.	.	.	1
9504 ₂ = $\chi_{71,1}$	8	1	4	.	2	.	.	.	.	.	1
22464 ₂ = χ_{74+}	20	4	4	4	6	4	8	2	2	2	.
13728 ₁ = $\chi_{76,0}$	12	4	4	2	6	.	4	2	.	2	.
13728 ₂ = $\chi_{76,1}$	12	4	4	2	6	.	4	2	.	2	.
27456 ₁ = χ_{77+}	20	2	8	2	4	4	4	2	2	2	1

(Block 1:)	$\varphi_{1,0}$	φ_{3+}	$\varphi_{5,0}$	φ_{6+}	$\varphi_{9,0}$	$\varphi_{10,0}$	$\varphi_{12,0}$	$\varphi_{13,0}$	$\varphi_{15,0}$	$\varphi_{16,0}$	φ_{19+}
$32032_1 = \chi_{79+}$	16	4	8	2	4	.	4	.	.	4	2

$$\begin{array}{ll}
\varphi_{1,0} & = 1_1 \\
\varphi_{3+} & = 64_1 \\
\varphi_{5,0} & = 64_2 \\
\varphi_{6+} & = 288_1 \\
\varphi_{9,0} & = 364_1 \\
\varphi_{10,0} & = 364_2 \\
\varphi_{12,0} & = 570_1 \\
\varphi_{13,0} & = 1572_1 \\
\varphi_{15,0} & = 2208_1 \\
\varphi_{16,0} & = 2510_1 \\
\varphi_{19+} & = 8448_1
\end{array}$$

Block 2:	$\varphi_{2,0}$	$\varphi_{8,0}$	$\varphi_{11,0}$	$\varphi_{14,0}$	$\varphi_{17,0}$	$\varphi_{18,0}$	$\varphi_{21,0}$
$12_1 = \chi_{2,0}$	1	.	.	.	.	.	.
$12_2 = \chi_{2,1}$	1	.	.	.	.	.	.
$208_1 = \chi_{5,0}$	.	1	.	.	.	.	.
$208_2 = \chi_{5,1}$	.	1	.	.	.	.	.
$220_1 = \chi_{6,0}$	1	1	.	.	.	.	.
$220_2 = \chi_{6,1}$	1	1	.	.	.	.	.
$572_1 = \chi_{13,0}$	1	.	1	.	.	.	.
$572_2 = \chi_{13,1}$	1	.	1	.	.	.	.
$792_1 = \chi_{14,0}$	2	1	1	.	.	.	.
$792_2 = \chi_{14,1}$	2	1	1	.	.	.	.
$3432_1 = \chi_{23,0}$	2	.	1	.	1	.	.
$3432_2 = \chi_{23,1}$	2	.	1	.	1	.	.
$3432_5 = \chi_{25,0}$	2	1	.	.	.	1	.
$3432_6 = \chi_{25,1}$	2	1	.	.	.	1	.
$3640_1 = \chi_{27,0}$	2	1	1	.	1	.	.
$3640_2 = \chi_{27,1}$	2	1	1	.	1	.	.
$4212_1 = \chi_{29,0}$	3	1	2	.	1	.	.
$4212_2 = \chi_{29,1}$	3	1	2	.	1	.	.
$5148_1 = \chi_{34,0}$	1	.	1	1	1	.	.
$5148_2 = \chi_{34,1}$	1	.	1	1	1	.	.
$5720_1 = \chi_{35,0}$	2	.	2	1	1	.	.
$5720_2 = \chi_{35,1}$	2	.	2	1	1	.	.
$8580_2 = \chi_{43,0}$	3	1	1	1	1	1	.
$8580_3 = \chi_{43,1}$	3	1	1	1	1	1	.
$9360_1 = \chi_{45,0}$	4	1	3	1	2	.	.
$9360_2 = \chi_{45,1}$	4	1	3	1	2	.	.
$11440_1 = \chi_{47,0}$	2	1	.	.	.	1	1
$11440_2 = \chi_{47,1}$	2	1	.	.	.	1	1
$12012_1 = \chi_{49,0}$	3	.	2	.	1	.	1
$12012_2 = \chi_{49,1}$	3	.	2	.	1	.	1
$12012_3 = \chi_{50,0}$	3	1	1	.	.	1	1
$12012_4 = \chi_{50,1}$	3	1	1	.	.	1	1
$17160_1 = \chi_{53,0}$	4	1	2	1	1	1	1
$17160_2 = \chi_{53,1}$	4	1	2	1	1	1	1
$20592_1 = \chi_{54,0}$	6	1	3	1	2	1	1
$20592_2 = \chi_{54,1}$	6	1	3	1	2	1	1
$1728_1 = \chi_{59,0}$	.	.	.	1	.	.	.
$1728_2 = \chi_{59,1}$	.	.	.	1	.	.	.
$4224_1 = \chi_{62,0}$	4	2	1	.	.	1	.
$4224_2 = \chi_{62,1}$	4	2	1	.	.	1	.

(Block 2:)	$\varphi_{2,0}$	$\varphi_{8,0}$	$\varphi_{11,0}$	$\varphi_{14,0}$	$\varphi_{17,0}$	$\varphi_{18,0}$	$\varphi_{21,0}$
$4928_1 = \chi_{64,0}$	.	.	.	1	.	1	.
$4928_2 = \chi_{64,1}$	.	.	.	1	.	1	.
$9152_1 = \chi_{66,0}$	2	.	2	.	.	.	1
$9152_2 = \chi_{66,1}$	2	.	2	.	.	.	1
$18304_2 = \chi_{69+}$	8	.	6	2	4	.	.
$22464_1 = \chi_{72+}$	4	.	.	.	.	2	2
$41600_1 = \chi_{81+}$	12	4	6	2	4	2	2

$$\begin{aligned} \varphi_{2,0} &= 12_1 \\ \varphi_{8,0} &= 208_1 \\ \varphi_{11,0} &= 560_1 \\ \varphi_{14,0} &= 1728_1 \\ \varphi_{17,0} &= 2848_1 \\ \varphi_{18,0} &= 3200_1 \\ \varphi_{21,0} &= 8008_1 \end{aligned}$$