$M_{12}.2 \pmod 5$

	blocks	defect	matrix
$G:$	1	1	5×4
	2	1	5×4
	3	1	4×2
	4	0	$45_1 = \chi_{6,0}, \varphi_{6,0}$
	5	0	$45_2 = \chi_{6,1}, \varphi_{6,1}$
	6	0	$55_1 = \chi_{8,0}, \varphi_{7,0}$
	7	0	$55_2 = \chi_{8,1}, \varphi_{7,1}$
	8	0	$110_1 = \chi_{9+}, \varphi_{8+}$
	9	0	$120_1 = \chi_{13,0}, \varphi_{13,0}$
	10	0	$120_2 = \chi_{13,1}, \varphi_{13,1}$

	blocks	defect	matrix
$2.G:$	11	0	$10_1 = \chi_{16,0}, \varphi_{14,0}$
	12	0	$10_2 = \chi_{16,1}, \varphi_{14,1}$
	$13 = \overline{11}$	0	$10_3 = \chi_{17,0}, \varphi_{15,0}$
	$14 = \overline{12}$	0	$10_4 = \chi_{17,1}, \varphi_{15,1}$
	15	1	5×4
	16	0	$220_1 = \chi_{22+}, \varphi_{18+}$
	17	0	$120_3 = \chi_{24,0}, \varphi_{20,0}$
	18	0	$120_4 = \chi_{24,1}, \varphi_{20,1}$
	19	0	$320_1 = \chi_{25+}, \varphi_{21+}$

Block 1:	$\varphi_{1,0}$	$\varphi_{10,0}$	$\varphi_{11,0}$	$\varphi_{12,1}$
$1_1 = \chi_{1,0}$	1	.	.	.
$66_1 = \chi_{11,0}$	.	1	.	.
$99_2 = \chi_{12,1}$	1	.	.	1
$144_1 = \chi_{14,0}$	.	1	1	.
$176_2 = \chi_{15,1}$	.	.	1	1

$$\begin{aligned} \varphi_{1,0} &= 1_1 \\ \varphi_{10,0} &= 66_1 \\ \varphi_{11,0} &= 78_1 \\ \varphi_{12,1} &= 98_2 \end{aligned}$$

Block 2:	$\varphi_{1,1}$	$\varphi_{10,1}$	$\varphi_{11,1}$	$\varphi_{12,0}$
$1_2 = \chi_{1,1}$	1	.	.	.
$66_2 = \chi_{11,1}$	.	1	.	.
$99_1 = \chi_{12,0}$	1	.	.	1
$144_2 = \chi_{14,1}$	.	1	1	.
$176_1 = \chi_{15,0}$	.	.	1	1

$$\begin{aligned} \varphi_{1,1} &= 1_2 \\ \varphi_{10,1} &= 66_2 \\ \varphi_{11,1} &= 78_2 \\ \varphi_{12,0} &= 98_1 \end{aligned}$$

Block 3:	φ_{2+}	φ_{4+}
$22_1 = \chi_{2+}$	1	.
$32_1 = \chi_{4+}$	.	1
$54_1 = \chi_{7,0}$	1	1
$54_2 = \chi_{7,1}$	1	1

$$\begin{aligned} \varphi_{2+} &= 22_1 \\ \varphi_{4+} &= 32_1 \end{aligned}$$

Block 15:	$\varphi_{16,0}$	$\varphi_{16,1}$	$\varphi_{17,0}$	$\varphi_{17,1}$
$12_1 = \chi_{18,0}$	1	.	.	.
$12_2 = \chi_{18,1}$	.	1	.	.
$32_2 = \chi_{19,0}$	.	.	1	.
$32_3 = \chi_{19,1}$	.	.	.	1
$88_1 = \chi_{20+}$	1	1	1	1

$$\begin{aligned} \varphi_{16,0} &= 12_1 \\ \varphi_{16,1} &= 12_2 \\ \varphi_{17,0} &= 32_2 \\ \varphi_{17,1} &= 32_3 \end{aligned}$$