

$M_{12.2} \pmod{2}$

	blocks	defect	matrix
$2.G :$	1	8	26×3
	2	4	8×2

Block 1:	$\varphi_{1,0}$	$\varphi_{2,0}$	$\varphi_{5,0}$	
$1_1 = \chi_{1,0}$	1	.	.	
$1_2 = \chi_{1,1}$	1	.	.	
$22_1 = \chi_{2+}$	2	2	.	
$45_1 = \chi_{6,0}$	1	.	1	
$45_2 = \chi_{6,1}$	1	.	1	
$54_1 = \chi_{7,0}$	.	1	1	
$54_2 = \chi_{7,1}$	.	1	1	
$55_1 = \chi_{8,0}$	1	1	1	
$55_2 = \chi_{8,1}$	1	1	1	
$110_1 = \chi_{9+}$	2	2	2	
$66_1 = \chi_{11,0}$	2	2	1	
$66_2 = \chi_{11,1}$	2	2	1	$\varphi_{1,0} = 1_1$
$99_1 = \chi_{12,0}$	1	1	2	$\varphi_{2,0} = 10_1$
$99_2 = \chi_{12,1}$	1	1	2	$\varphi_{5,0} = 44_1$
$120_1 = \chi_{13,0}$	2	3	2	
$120_2 = \chi_{13,1}$	2	3	2	
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$10_1 = \chi_{16,0}$.	1	.	
$10_2 = \chi_{16,1}$.	1	.	
$10_3 = \chi_{17,0}$.	1	.	
$10_4 = \chi_{17,1}$.	1	.	
$12_1 = \chi_{18,0}$	2	1	.	
$12_2 = \chi_{18,1}$	2	1	.	
$88_1 = \chi_{20+}$.	.	2	
$220_1 = \chi_{22+}$	4	4	4	
$120_3 = \chi_{24,0}$	2	3	2	
$120_4 = \chi_{24,1}$	2	3	2	

Block 2:	φ_{3+}	$\varphi_{6,0}$
$32_1 = \chi_{4+}$	1	.
$144_1 = \chi_{14,0}$	.	1
$144_2 = \chi_{14,1}$	.	1
$176_1 = \chi_{15,0}$	1	1
$176_2 = \chi_{15,1}$	1	1
$32_2 = \chi_{19,0}$	1	.
$32_3 = \chi_{19,1}$	1	.
$320_1 = \chi_{25+}$	1	2

$$\begin{aligned} \varphi_{3+} &= 32_1 \\ \varphi_{6,0} &= 144_1 \end{aligned}$$