

$J_2.2 \pmod{3}$

	blocks	defect	matrix
$G :$	1	3	14×7
	2	1	3×2
	3	1	3×2
	4	1	3×2
	5	1	3×2

	blocks	defect	matrix
	6	0	$378_1 = \chi_{14+}, \varphi_{12+}$
$2.G :$	7	3	14×7
	8	1	3×1
	9	0	$216_1 = \chi_{34,0}, \varphi_{24,0}$
	10	0	$216_2 = \chi_{34,1}, \varphi_{24,1}$

Block 1:	$\varphi_{1,0}$	$\varphi_{1,1}$	φ_{2+}	φ_{4+}	φ_{7+}	$\varphi_{11,0}$	$\varphi_{11,1}$	
$1_1 = \chi_{1,0}$	1	.	.	.	.	.	.	
$1_2 = \chi_{1,1}$	.	1	.	.	.	.	.	
$28_1 = \chi_{2+}$	1	1	1	.	.	.	.	
$42_1 = \chi_{4+}$	.	.	.	1	.	.	.	$\varphi_{1,0} = 1_1$
$140_1 = \chi_{8+}$	.	.	1	.	1	.	.	$\varphi_{1,1} = 1_2$
$160_1 = \chi_{12,0}$	1	.	1	.	.	1	.	$\varphi_{2+} = 26_1$
$160_2 = \chi_{12,1}$	.	1	1	.	.	.	1	$\varphi_{4+} = 42_1$
$175_1 = \chi_{13,0}$	.	.	.	1	.	1	.	$\varphi_{7+} = 114_1$
$175_2 = \chi_{13,1}$	.	.	.	1	.	.	1	$\varphi_{11,0} = 133_1$
$448_1 = \chi_{16+}$	.	.	1	1	1	1	1	$\varphi_{11,1} = 133_2$
$300_1 = \chi_{20,0}$	.	1	2	.	1	1	.	
$300_2 = \chi_{20,1}$	1	.	2	.	1	.	1	
$336_1 = \chi_{21,0}$	1	1	1	1	.	1	1	
$336_2 = \chi_{21,1}$	1	1	1	1	.	1	1	

Block 2:	$\varphi_{6,0}$	$\varphi_{10,1}$	
$36_1 = \chi_{6,0}$	1	.	$\varphi_{6,0} = 36_1$
$90_2 = \chi_{10,1}$	.	1	$\varphi_{10,1} = 90_2$
$126_2 = \chi_{11,1}$	1	1	

Block 3:	$\varphi_{6,1}$	$\varphi_{10,0}$	
$36_2 = \chi_{6,1}$	1	.	$\varphi_{6,1} = 36_2$
$90_1 = \chi_{10,0}$	.	1	$\varphi_{10,0} = 90_1$
$126_1 = \chi_{11,0}$	1	1	

Block 4:	$\varphi_{9,0}$	$\varphi_{14,0}$		
$63_1 = \chi_{7,0}$	1	.	$\varphi_{9,0} =$	63_1
$225_1 = \chi_{18,0}$	.	1	$\varphi_{14,0} =$	225_1
$288_1 = \chi_{19,0}$	1	1		

Block 5:	$\varphi_{9,1}$	$\varphi_{14,1}$		
$63_2 = \chi_{7,1}$	1	.	$\varphi_{9,1} =$	63_2
$225_2 = \chi_{18,1}$	.	1	$\varphi_{14,1} =$	225_2
$288_2 = \chi_{19,1}$	1	1		

Block 7:	φ_{15+}	$\varphi_{17,0}$	$\varphi_{17,1}$	φ_{18+}	φ_{20+}	$\varphi_{25,0}$	$\varphi_{25,1}$		
$12_1 = \chi_{22+}$	1	.	.	.	.	.	.		
$14_1 = \chi_{24,0}$	.	1	.	.	.	.	.		
$14_2 = \chi_{24,1}$	.	.	1	.	.	.	.		
$100_1 = \chi_{25+}$	.	1	1	1	.	.	.	$\varphi_{15+} =$	12_1
$112_1 = \chi_{27+}$	1	.	.	.	1	.	.	$\varphi_{17,0} =$	14_1
$128_1 = \chi_{29+}$	.	1	1	.	1	.	.	$\varphi_{17,1} =$	14_2
$84_1 = \chi_{31,0}$	1	.	.	1	.	.	.	$\varphi_{18+} =$	72_1
$84_2 = \chi_{31,1}$	1	.	.	1	.	.	.	$\varphi_{20+} =$	100_1
$336_3 = \chi_{36,0}$	.	.	2	1	.	1	.	$\varphi_{25,0} =$	236_1
$336_4 = \chi_{36,1}$	.	2	.	1	.	.	1	$\varphi_{25,1} =$	236_2
$350_1 = \chi_{37,0}$	.	.	1	.	1	1	.		
$350_2 = \chi_{37,1}$	.	1	.	.	1	.	1		
$448_2 = \chi_{38,0}$	1	1	1	1	1	1	.		
$448_3 = \chi_{38,1}$	1	1	1	1	1	.	1		

Block 8:	φ_{22+}		
$252_1 = \chi_{32+}$	1	$\varphi_{22+} =$	252_1
$252_2 = \chi_{35,0}$	1		
$252_3 = \chi_{35,1}$	1		