

$G_2(3) \pmod{13}$

	blocks	defect	matrix
$G :$	1	1	8×6
	2	0	$78_1 = \chi_5, \varphi_5$
	3	0	$91_1 = \chi_6, \varphi_6$
	4	0	$91_2 = \chi_7, \varphi_7$
	5	0	$91_3 = \chi_8, \varphi_8$
	6	0	$104_1 = \chi_9, \varphi_9$
	7	0	$182_1 = \chi_{11}, \varphi_{11}$
	8	0	$182_2 = \chi_{12}, \varphi_{12}$
	9	0	$273_1 = \chi_{13}, \varphi_{13}$
	10	0	$273_2 = \chi_{14}, \varphi_{14}$
	11	0	$546_1 = \chi_{17}, \varphi_{16}$
	12	0	$546_2 = \chi_{18}, \varphi_{17}$

	blocks	defect	matrix
	13	0	$728_1 = \chi_{19}, \varphi_{18}$
	14	0	$728_2 = \chi_{20}, \varphi_{19}$
	15	0	$819_1 = \chi_{22}, \varphi_{20}$
	16	0	$832_1 = \chi_{23}, \varphi_{21}$
$3.G :$	17	1	8×6
	18 = 17*		
	19	0	$351_1 = \chi_{28}, \varphi_{25}$
	20 = 19*		
	21	0	$351_3 = \chi_{29}, \varphi_{26}$
	22 = 21*		
	23	0	$351_5 = \chi_{30}, \varphi_{27}$
	24 = 23*		

Block 1:	φ_1	φ_2	φ_3	φ_4	φ_{10}	φ_{15}	
$1_1 = \chi_1$	1	.	.	.	.	.	$\varphi_1 = 1_1$
$14_1 = \chi_2$	.	1	.	.	.	.	$\varphi_2 = 14_1$
$64_1 = \chi_3$	.	.	1	.	.	.	$\varphi_3 = 64_1$
$64_2 = \chi_4$	.	.	.	1	.	.	$\varphi_4 = 64_2$
$168_1 = \chi_{10}$	1	.	.	.	1	.	$\varphi_{10} = 167_1$
$448_1 = \chi_{15}$	.	1	.	.	.	1	$\varphi_{15} = 434_1$
$448_2 = \chi_{16}$	.	1	.	.	.	1	
$729_1 = \chi_{21}$	.	.	1	1	1	1	

Blocks 17, 18:	φ_{22}	φ_{23}	φ_{24}	φ_{28}	φ_{29}	φ_{30}	
$27_1 = \chi_{24}$	1	.	.	.	.	.	$\varphi_{22} = 27_1$
$27_3 = \chi_{25}$	.	1	.	.	.	.	$\varphi_{23} = 27_3$
$189_1 = \chi_{26}$	.	.	1	.	.	.	$\varphi_{24} = 189_1$
$189_3 = \chi_{27}$	.	.	1	.	.	.	$\varphi_{28} = 378_1$
$378_1 = \chi_{31}$	.	.	.	1	.	.	$\varphi_{29} = 378_3$
$378_3 = \chi_{32}$	.	.	.	.	1	.	$\varphi_{30} = 729_1$
$729_2 = \chi_{33}$	.	.	.	.	.	1	
$1728_1 = \chi_{34}$	1	1	1	1	1	1	